o ICOM

SERVICE MANUAL

144 MHz FM TRANSCEIVER IC-T22A IC-T22E UHF FM TRANSCEIVER IC-T42A IC-T42E

Icom Inc.

INTRODUCTION

This service manual describes the latest service information for the IC-T22A/E and IC-T42A/E FM TRANSCEIVER at the time of publication.

MODEL	VERSION No.	VERSION	SYMBOL
IC-T22E/T42E	#02	Europe	EUR
10-122E/142E	#04	Italy	ITA
	#05	U.S.A.	USA
IC-T22A/T42A	#07	Australia	AUS
	#09	Asia	SEA

DANGER

NEVER connect the transceiver to an AC outlet or to a DC power supply that uses more than 16 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.

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
- Equipment model name and unit name
- 4. Quantity required

<SAMPLE ORDER>

1140005300	IC	HD404629C32H	IC-T22A	LOGIC UNIT	5 pieces
8810008750	Screw	PH B0 M2 x 15 ZK	IC-T22A	Rear panel	10 pieces

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



REPAIR NOTES

- 1. Make sure a problem is internal before disassembling the transceiver.
- 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.
- DO NOT short any circuits of 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.
- 6. 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.

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

SECTION 1 SPECIFICATIONS

				IC-T22A/E	IC-T42A/E			
			U.S.A.	Tx:144.0–148.0 MHz Rx:136.0–174.0 MHz*1	Tx:440.0–450.0 MHz Rx:400.0–470.0 MHz* ²			
			Europe	144.0–146.0 MHz 430.0–440.0 MHz				
	Frequenc	у -		Tx:144.0–148.0 MHz				
	coverage (MHz)		Asia	Rx:140.0-150.0 MHz*1	430.0–440.0 MHz			
	(1411 12)		Itolu	Tx:144.0–148.0 MHz	Tx:430.0-440.0 MHz			
			Italy	Rx:136.0-174.0 MHz*1	Rx:400.0–470.0 MHz*3			
			Guaranteed range: *1	144.0-148.0 MHz *2440.0-450.0 MHz *3430.0-				
	Mode			FM (F	F3E)			
	Frequency (0 °C to +5		lity 32 °F to +122 °F)	±10 ppm	±5 ppm			
	Tuning ste	ps		5, 10, 12.5, 15, 20	25, 30 or 50 kHz			
AL AL	Antenna in		nce	50 Ω (unb	alanced)			
H	External D			4.5 to 16 V DC (r	egative ground)			
GENERAL			High	1.4	I A			
	drain typical)	Тx	Low	500	mA			
	6 c,		Rated audio	150 mA				
	Curr 13.	Rx						
-	<u>e</u>		Power saved	15 mA (average)				
	Usable temperature range			-10 °C to +60 °C (+14 °F				
	Dimensions (projections not included)			57 (W) x 110 (H) x 27 (D) mm; 2 ¹ / ₄ (W) x 4 ⁵ / ₁₆ (H) x 1 ¹ / ₁₆ (D) in (with BP-170) or BP-171) 57 (W) x 122 (H) x 29 (D) mm; 2 ¹ / ₄ (W) x 4 ¹³ / ₁₆ (H) x 1 ¹ / ₈ (D) in (with BP-180)				
	Walaht			290 g ; 10.2 oz (with BP-170)	280 g ; 9.9 oz (with BP-170)			
	Weight (with a batt	erv pac	k, belt clip and	310 g ; 10.9 oz (with BP-171)	300 g ; 10.6 oz (with BP-171)			
	antenna)	, , ,	, , ,	335 g ; 11.8 oz (with BP-180)	325 g ; 11.5 oz (with BP-180)			
	Output po			5 W or 0.5 W (at 9.6 to 13.5 V				
I HANSMI I LEH	Modulation	n syste	m	Variable reactance frequency modulation				
20	Max. frequ	lency (deviation*	±5.0	kHz			
AA	Spurious e	emissio	ons	Less than	n –60 dB			
=	Microphor	ne impe	edance	2 k	Ω			
	Receive s	vstem		Double conversion	superheterodyne			
-	Intermedia	-		1st: 30.85 MHz				
-			B SINAD)	Less than 0.16				
H	Squelch s	ensitiv	rity	Less than 0.16 µ	V (at threshold)			
RECEIVER	Selectivity	/		More than 15 kHz/–6 dB, I	_ess than 30 kHz/–60 dB			
E E	Spurious a rejection r		age	More than 60 dB (more than 45 dB at ½ IF)	More than 50 dB (more than 45 dB at 1/2 IF)			
	Audio out	put po	wer* (at 13.5 V)	More than 200 mW (at 10 %	distortion with an 8 Ω load)			
	Audio out	put im	pedance	8.8	2			

*Specifications guaranteed at a transceiver temperature of +25°C (+77°F).

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

SECTION 2 **DISASSEMBLY INSTRUCTIONS**

• Removing the rear panel

- (1) Turn power OFF, then remove the battery pack.
- 2 Unscrew 6 screws (4 x (A), 2 x (B)) as shown in Fig 1, then separate the front and rear panels.

Removing the MAIN unit

- (5) Unscrew 2 screws (D) to separate the rear plate from the rear panel as shown Fig. 3.
- (6) Unscrew 2 screws (E) and unplug J1 on the bottom side, to remove the MAIN unit.

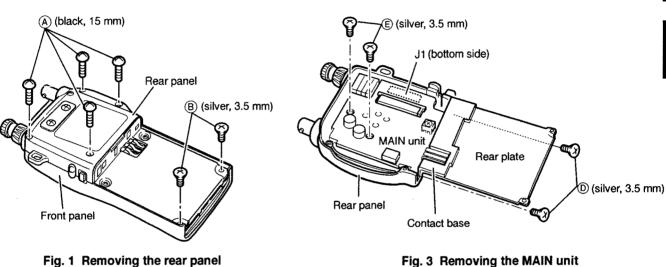


Fig. 3 Removing the MAIN unit

• Removing the LOGIC unit

- (3) Unplug the flat cable from J2, then unsolder speaker leads.
- (4) Unscrew 4 screws (C) to remove the LOGIC unit.

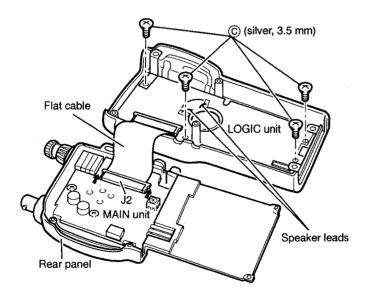


Fig. 2 Removing the LOGIC unit

Removing the RF unit

- ⑦ Remove both the [DIAL] and [SQL] knobs and the 2 nuts () and ().
- (8) Unscrew 5 screws (3 x (F) and 2 x (G)) from the RF unit and 1 screw (H) from the rear panel to remove the RF unit.

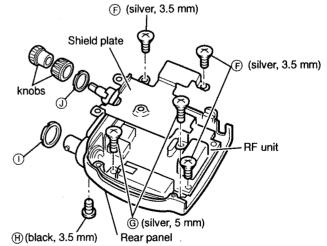


Fig. 4 Removing the RF unit

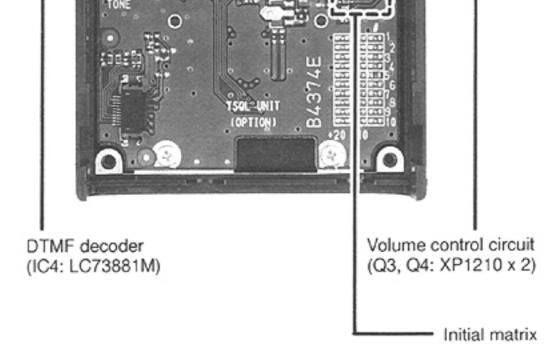
SECTION 3 INSIDE VIEWS

MAIN AND LOGIC UNITS

T42

LOGIC MAIN I/O expander* CPU clock (IC3: BU4094BCFV) (X1: CR-505) SEND controler CPU -Microphone amplifier -(Q6: 2SA1162) (IC1: HD404629C32H) (IC5: M5218FP) AF power amplifier* -(IC4: TA7368F) 0 IF amplifier (Q1: 2SC4215) IF IC (IC1: TA31136FN) 2nd IF filter

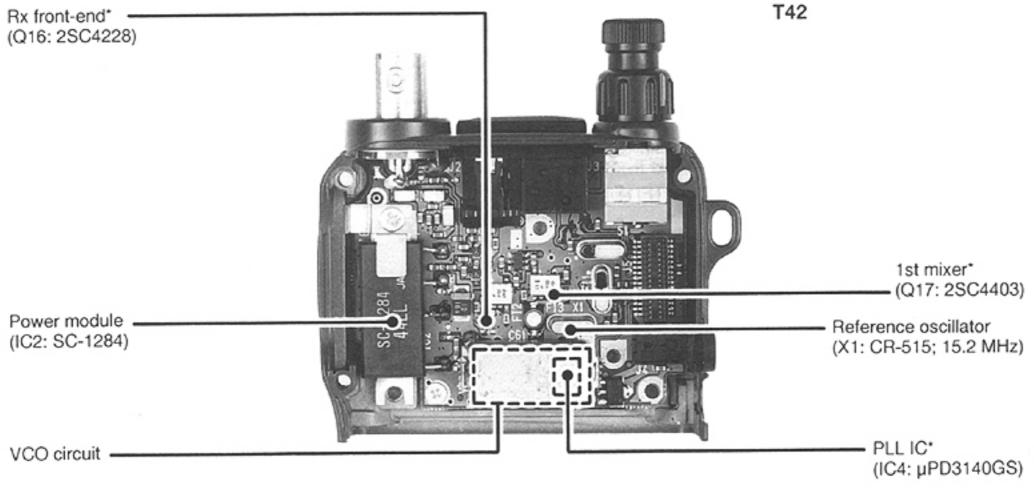


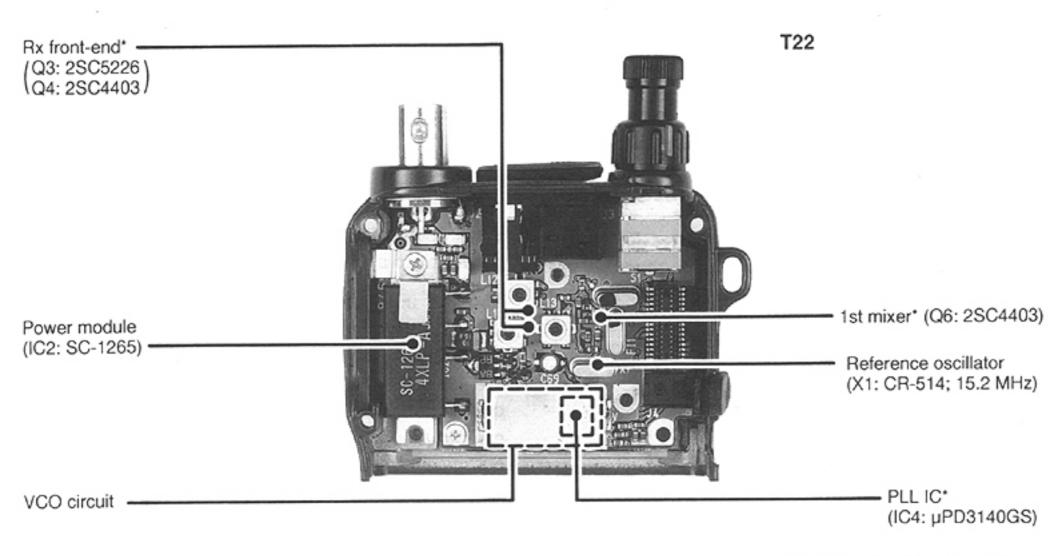


* Located under side of the point

• UHF RF UNIT (IC-T42A/E)

• VHF RF UNIT (IC-T22A/E)





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* Located under side of the point

4-1 RECEIVER CIRCUITS

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

Received signals enter the antenna connector and then pass through the low-pass filter (L1–L3, C1–C5). The filtered signals are passed through the antenna switching circuit.

The antenna switching circuit functions as a low-pass filter while receiving. However, its impedance becomes very high while transmitting by attempting voltages to D4 and D5. Thus, transmit signals are blocked from entering the receiver circuits. The antenna switching circuit employs a $1/4\lambda$ type diode switching system. The passed signals are then applied to the RF amplifier circuit (Q3, Q4).

4-1-2 RF CIRCUIT (VHF RF UNIT)

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

The signals from the antenna switching circuit pass through a high-pass filter (L11, D7, C29), and are applied to the RF amplifier (Q3, Q4). The RF amplifier consists of a cascade circuit. The amplified signals are passed through the next stage band-pass filter (L12, L13, D9, D10) to suppress unwanted signals. The filtered signals are then applied to the mixer circuit (Q6).

D7, D9 and D10 employ varactor diodes that track the band-pass filters and are controlled by the PLL lock voltage. These diodes 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 (VHF RF UNIT AND MAIN UNIT)

The mixer circuit converts the received signal to a fixed frequency of the 1st IF signal with a PLL output frequency. By changing the PLL frequency, only the desired frequency will be passed through a pair of crystal filters (FI1) at the next stage of the mixer.

The signals from the RF circuit are mixed with the LO signal at the 1st mixer (Q6) to produce a 30.85 MHz 1st IF signal.

The 1st IF signal is passed through to a pair of crystal filters (FI1) to suppress out-of-band signals and then applied to the MAIN unit. The passed signal is amplified at the IF amplifier (Q1) and applied to the 2nd mixer circuit in the FM IF IC (IC1).

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

The FM IF IC (IC1) contains the 2nd mixer, 2nd local oscillator, limiter amplifier, S-meter detector and quadrature detector circuits.

The 2nd LO signal (30.4 MHz) from the VHF RF unit applied to IC1 (pin 2) and then mixed with the 1st IF signal (30.85 MHz) at the 2nd mixer section of IC1. The 1st IF signal (30.85 MHz) is mixed with the 2nd LO signal to be converted to a 450 kHz 2nd IF signal.

The 2nd IF signal (450 kHz) from the 2nd mixer section (IC1 pin 3) passes through the ceramic filter (FI1) where unwanted signals are suppressed. It is then amplified at the limiter amplifier section (IC1 pin 5) and applied to the quadrature detector section to demodulate the 2nd IF signal into AF signals. AF signals output from IC1 (pin 9) are de-emphasized with –6 dB/octave at R11 and C16.

The S-meter output "S METER" signal from IC1 (pin 12) is applied to the CPU (IC1 pin 4).

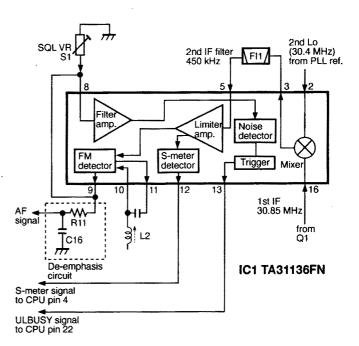


Fig. 1 2ND IF AMPLIFIER

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4-1-6 AF AMPLIFIER CIRCUIT (MAIN AND LOGIC UNITS)

AF signals from IC1 (pin 9) are passed through the AF selector switch (IC6) and active filters (Q2). Q2 functions as a high-pass filter (pins 1, 5, 6) and low-pass filter (pins 2–4) to suppress subaudible tones and higher noise components, respectively.

The filtered signals are passed through the AF mute switch (IC2), and then applied to the level controller circuit (Q3, Q4) in the LOGIC UNIT via the "DEO" line. The attenuation level (volume level) of the controller is controlled by the 4-bit data from the CPU (AF0–AF3).

The AF signals are amplified at the AF preamplifier (Q5) and then applied to the MAIN unit via the "DEI" line. The signals are amplified at the AF power amplifier (IC4), passed through the [EXT SP] jack in the VHF RF unit and then applied to the internal speaker via the LOGIC unit.

An "AFM" signal cuts the AF signal on the AF mute switch (IC2) for noise squelch, tone squelch, etc. An "AFON" signal deactivates the AF power amplifier (IC4) to reduce the current drain during audio mute (except beep emission).

4-1-7 NOISE SQUELCH (MAIN UNIT)

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

Some of the noise components in the AF signal from the FM IF IC (IC1 pin 9) are applied to the active filter section (IC1 pins 7, 8). The [SQL] control on the VHF RF unit adjusts the active filter input level.

The active filter section amplifies noise components with frequencies of 20 kHz and above. The filtered signals are rectified at the noise detector section and converted into the "ULBUSY" (High or Low) signal by the squelch trigger section. The "ULBUSY" signal is applied to the CPU (pin 22).

The CPU controls the I/O expander IC (IC3) to output the "AFM" signal from pin 13. The "AFM" signal controls the audio mute switch (IC2) to cut the AF signal line.

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 condenser microphone (LOGIC unit), or from the [MIC] jack are applied to the limiter amplifier (IC5 pin 3) which has +6 dB/octave preemphasis characteristics. The signals pass through the splatter filter (IC5 pins 5–7) and frequency deviation pot (R64) and are then applied to the modulation circuit on the V VCO board. Q6 on the LOGIC unit is the PTT control circuit, and outputs "High" to the CPU when transmitting.

4-2-2 MODULATION CIRCUIT (V VCO BOARD)

The modulation circuit modulates the VCO oscillating signal (RF signal) using the microphone audio signals.

The "MOD" signal changes the reactance of a diode (D302) to modulate the oscillated signal at the VCO circuit (Q301, Q302, D302). The VCO output is buffer-amplified at Q20 and then applied to the drive amplifier (Q21) via the transmit/receive switch (D16).

4-2-3 POWER AMPLIFIER CIRCUIT (VHF RF UNIT)

IC2 is a power module which provides more than 5 W of output power with a 13.5 V DC power source.

An RF signal from the transmit/receive switch (D16) is amplified at the drive amplifiers (Q21) and then applied to IC2. The amplified signal is then applied to the antenna connector via the transmit/receive switching circuit (D3).

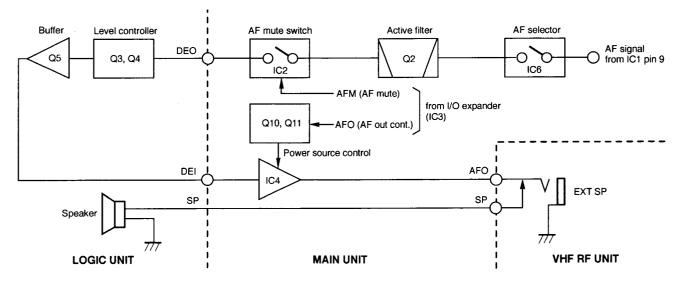


Fig. 2 AF SIGNAL LINE

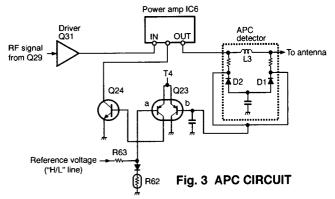
4-2-4 APC CIRCUIT (VHF RF UNIT)

The APC circuit protects the power module (IC2) from a mismatched output load and selects HIGH and LOW output power.

The APC detector circuit (L3, D1, D2) detects forward signals and rectified signals at D2 and D1 respectively. The combined voltage is at a minimum level when the antenna is matched at 50 Ω and is increased when it is mismatched.

The detected voltage is applied to one of the differential amplifier inputs (Q23b). When the antenna impedance is mismatched, the detected voltage exceeds the reference voltage. Thus the bias voltage of IC2 is decreased via Q24.

Low output power is obtained by changing the reference voltage (Q23a) coming from "H/L" signal (IC3, pin 6) on the MAIN unit. A thermistor (R62) controls APC reference voltage to reduce the output power when the temperature is increased.



4-2-6 ANTENNA SWITCHING CIRCUIT (VHF RF UNIT)

The antenna switching circuit applies receive signals to the receiver circuit and transmit signals to the antenna connector.

When transmitting, D3, D4 and D5 are turned ON. The signal passes through the low-pass filter (L1–L3, C1–C5) and is then applied to the antenna connector. The low-pass filter suppress high harmonic components.

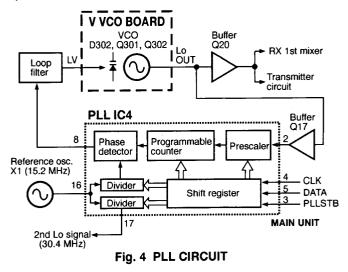
4-3 PLL CIRCUITS

4-3-1 PLL CIRCUIT (VHF RF UNIT)

The oscillated signal at the VCO circuit (V VCO board Q301, Q302) is amplified at Q17 and then applied to the PLL IC (IC4 pin 2). IC4 divides this input with the serial data from the CPU and phase-detects it with the divided reference frequency and then outputs the phase difference as pulses.

The output signals from IC4 (pin 8) are converted to DC voltages (lock voltage) by the loop filter (R46, C84) and are then fed back to the VCO circuit to stabilize the VCO frequency.

The DC voltage is also applied to the receiver turned bandpass filters as a "TUNE" signal.



4-4 OTHER CIRCUITS

4-4-1 OPTIONAL TONE SQUELCH UNIT

The optional UT-94 TONE SQUELCH UNIT provides pocket beep, tone squelch and programmable tone encoder functions.

ENCODER FUNCTION

The serial data from the CPU (LOGIC unit IC1) is applied to IC1. The tone signal reply to the data signal is output from IC1 (pin 21) and is applied to R9. R9 adjusts the deviation level.

DECODER FUNCTION

The DET signal from the FM IF IC is applied to the active low-pass filter between pin 1 and pin 2 within IC1. The filtered signal is compared with the programmed tone signal. Pin 14 of IC1 becomes "LOW" when the received signal matches to the programmed tone frequency.

4-5 VOLTAGE LINES

LINE	DESCRIPTION
VCC	The same voltage as the connected battery pack or external DC power source. The voltage appears regardless of the [POWER] switch.
+3	Commonly used 3 V which is produced by the 3 V regulator IC (MAIN unit IC7). The voltage appears regardless of the [POWER] switch.
+3C	Commonly used 3 V which is produced by the +3V regulator circuti (MANI unit Q15–Q17). The voltage is controlled with the "PCON" signal which appears when the power is turned ON.
R3	3 V for the receiver circutis. The voltage is pro- duced at the R3V regulator (MAIN unit Q8, Q9) and is controlled by the "R3SC" signal which contains the power save control signal.
T4	4 V for the transmitter circuit. The voltage is pro- duced at the T4V regulator circuit (VHF RF unit Q12-Q14) and is controlled with the "T4C" signal.

4-6 PORT ALLOCATIONS

4-6-1 CPU (LOGIC UNIT)

Pin number	Port name	Description
1	VCC	Input port for the CPU power source.
2	LBATT	Input port for connected voltage for low battery ditection.
3	KEY	Input port for the [MONI] and [FUNC] switch.
4	SMETER	Input port for a S-meter detection signal.
5	REMOTE	Input port for optional speaker- microphones remote control signal.
8, 9	OSC1, 2	Clock oscillator terminals for a CPU clock.
10	RESET	CPU is initialized when this port receives "HIGH."
14	SCL	Outputs a serial clock signal for the EEPROM (IC3).
15	SDA	Outputs a serial data for the EEPROM (IC3).
16	PD	Outputs a DTMF decoder power control signal.
17	DDATA	Input port for a DTMF decoder data from IC4.
18	DOCK	Outputs a serial clock signal for the DTMF decoder (IC4).
19	STD	Input port for detection of a DTMF decoder.
20	TSQL	Input port for detection of a tone squelch decoder signal.
21	RTSST	Outputs a strobe signal for a tone squelch.
22	ULBUSY	Detects squelch and PLL unlock signals. This port becomes "LOW" when the squelch is closed during Rx, or PLL is unlocked during Tx.
24	STOPC	Input port for a restart signal from the [POWER] key.
25	SEND	Input port for the [PTT] switch. "HIGH": [PTT] is pushed.
26	PWR	Input port for the [POWER] key.
		"HIGH": [POWER] key is pushed.
28	DCK	Input port for the dial clock signal.
29	UP	Input port for the dial up signal.
34	PLLSTB	Outputs a strobe signal to the PLL IC (VHF RF unit, IC4).
35	СК	Outputs a serial clock signal to the PLL IC (VHF RF unit, IC4).
36	IOSTB	Outputs a strobe signal to the data expander (MAIN unit, IC3).
37	DATA	Outputs a serial data for the PLL IC (VHF RF unit, IC4) and data expander (MAIN unit, IC3).
38-41	AF0-AF3	Output AF volume control signals.
42	PCON	Outputs the power source control signal.
		"HIGH": When the power is turned ON.
43–49	KI0KI6	Outputs strobe signals to the key matrix.

Pin number	Port name	Description
50–53	KR0-KR3	Input port for the key matrix.
54	T4C	Outputs T4V regulator control signal "HIGH":During Tx.
55	BUSYLED	Outputs the receive LED control signal. "HIGH": lights
56	LIGHT	Outputs the LCD back light control signal. "HIGH": lights
57	CONT	Outputs the LCD contrast signal. "HIGH": high contrast

4-6-2 I/O EXPANDER (MAIN UNIT IC4)

Pin number	Port name	Description		
4	+3SC	Outputs a +3S regulator control signal for the power save function.		
	, da	"LOW": When the power save function deativates.		
		"H/L" with intervals: When the power save function activates.		
6	MB	Outputs a RF power selection signal when transmitting.		
		"LOW": Low power		
7	SHIFT	Outputs a VCO switching signal for Tx and Rx frequencies.		
11	R3SC	Outputs a R3S regulator control signal.		
		"LOW": During Rx		
		"H/L" with intervals: During power saved.		
12	MICM	Outputs a microphone mute signal.		
		"HIGH": Mic mute ON		
13	AFM	Outputs a receive audio mute signal.		
		"LOW": Audio mute ON		
14	AFON	Outputs an AF power amplifier control signal.		
		"HIGH": AF amplifier deactivates. "LOW" : AF amplifier activates.		

SECTION 5 ADJUSTMENT PROCEDURES

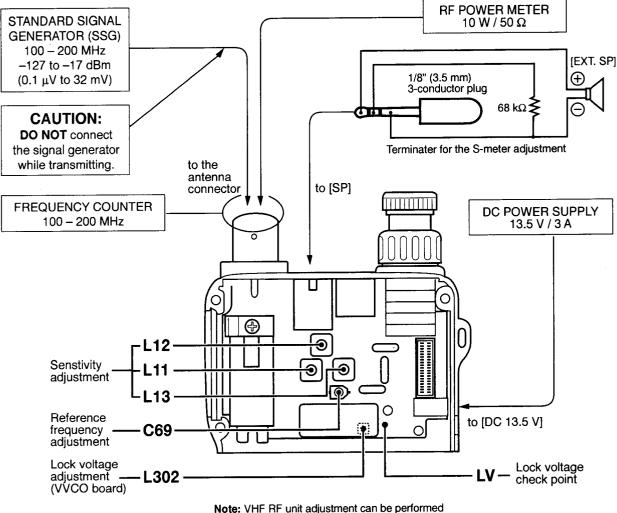
5-1 IC-T22 PLL ADJUSTMENT

	IT	ADJUSTMENT CONDITIONS	MEA	SUREMENT	VALUE	UE ADJUS	
ADJUSTMEN	•••		UNIT	LOCATION	VALUE	UNIT	ADJUST
LOCK VOLTAGE	1	Displayed frequency : 146.000 MHz Transmitting	VHF RF	Connect a digital voltmeter or oscil-	1.5 V	VVCO	L302
	2	Receiving		loscope to the check point "LV."	1.25 V ± 0.25 V		Verify
REFERENCE FREQUENCY	1	 Displayed frequency : 146.000 MHz Connect the RF power meter or a 50 Ω dummy load to the antenna connector. Transmitting 	Top panel	Loosely couple the frequency counter to the antenna connector.	146.000 MHz	VHF RF	C69

5-2 IC-T22 RECEIVER ADJUSTMENT

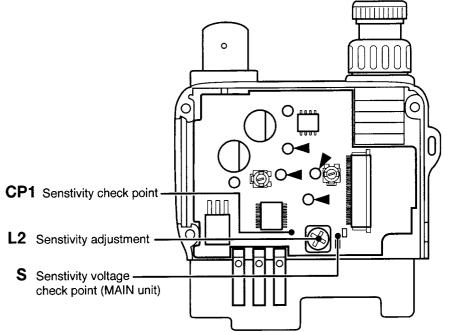
ADJUSTMEN	т	ADJUSTMENT CONDITIONS	ME	ASUREMENT	VALUE	ADJUSTMENT POINT	
	•		UNIT	LOCATION		UNIT ADJUS	
SENSITIVITY	1	 Displayed frequency : 145.000 MHz [SQL] control : Max. CCW Connect the SSG to the antenna connector and set as: Level : 1.0 μV* (-107 dBm) Modulation : 1 kHz Deviation : ±3.5 kHz Receiving 	MAIN	Connect a DC volt- meter to the check point "S."	Maximum DC voltage	VHF RF	Adjust in sequence L13, L12, L11
	2	Set the SSG output as: Level : 1 mV* (-47 dBm) Modulation : OFF		Connect a DC volt- meter to the check point "CP1."	1.0 V	MAIN	L2
S-METER	1	 Displayed frequency: 145.000 MHz Connect the SSG to the antenna connector and set as: Level 0.5 μV* (-113 dBm) Modulation 1 kHz Deviation ±3.5 kHz Connect the terminator to the [SP] jack. Receiving 	Front panel			While pushing the [FUNC] key, push th [CALL] key.	
	2	• Set the SSG output for the S-meter becoming to S3 (4 dots).		The SSG output level.	0.28 µV to 0.89 µV (-118 dBm to 108 dBm)		Verify

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



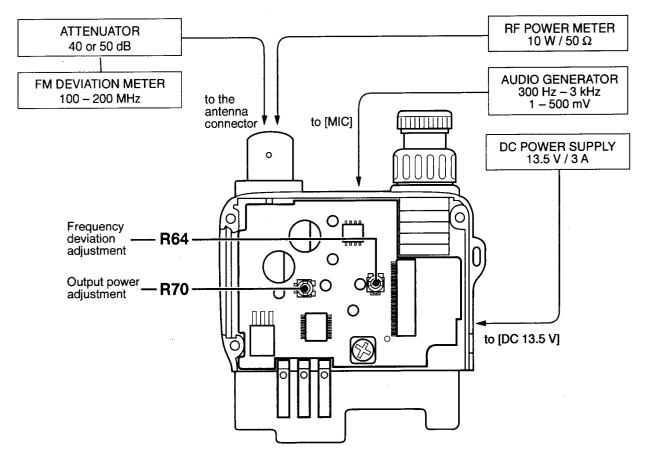
Note: VHF RF unit adjustment can be performed through openings on the Main unit side "-".

• MAIN UNIT

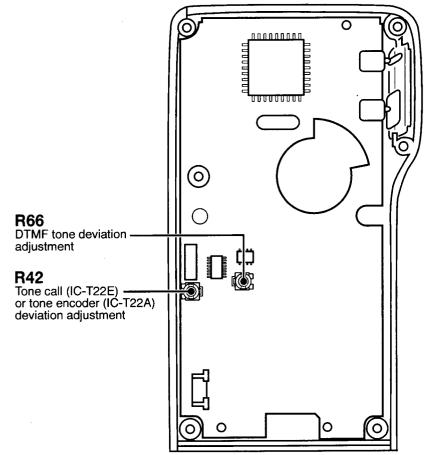


5-3 IC-T22 TRANSMITTER ADJUSTMENT

	.		ME	ASUREMENT	VALUE		ADJUSTMENT POINT	
ADJUSTMEN	1	ADJUSTMENT CONDITIONS	UNIT	LOCATION	VALUE	UNIT	ADJUST	
OUTPUT POWER	1	 Displayed frequency : 145.000 MHz Output power : High Be sure the power supply voltage is 13.5 V Transmitting 	Top panel	Connect the RF power meter to the antenna connec- tor.	5.0 W	MAIN	R70	
	2	Output power : Low			0.1 – 1.0 W		Verify	
FREQUENCY DEVIATION	1	 Displayed frequency : 145.000 MHz Output power : High Connect the audio generator to the [MIC] jack and set as : 95 mV/1.0 kHz Set the FM deviation meter as: HPF : OFF LPF : 20 kHz De-emphasis : OFF Detector : (P-P)/2 Transmitting 	Top panel	Connect the FM deviation meter to the antenna con- nector through the attenuator.	±4.5 kHz	MAIN	R64	
DTMF TONE DEVIATION	1	 Displayed frequency : 145.000 MHz Push [D] key while transmitting. 	Top panel	Connect the FM deviation meter to the antenna con- nector through the attenuator.	±3.5 kHz	LOGIC	R66	
TONE CALL DEVIATION (IC-T22E)	1	 Displayed frequency : 145.000 MHz Push [MONI] switch while transmitting. 	Top panel	Connect the FM deviation meter to the antenna con- nector through the attenuator.	±3.5 kHz	LOGIC	R42	
TONE ENCODER DEVIATION (IC-T22A)	1	 Displayed frequency : 145.000 MHz HPF : OFF LPF : 20 kHz De-emphasis : OFF Detector : (P-P)/2 Tone frequency : 88.5 Hz Apply no signal to the [MIC] connector Transmitting 	Top panel	Connect the FM deviation meter to the antenna con- nector through the attenuator.	±0.75 kHz	LOGIC	R42	



• LOGIC UNIT



5-4 IC-T42 PLL ADJUSTMENT

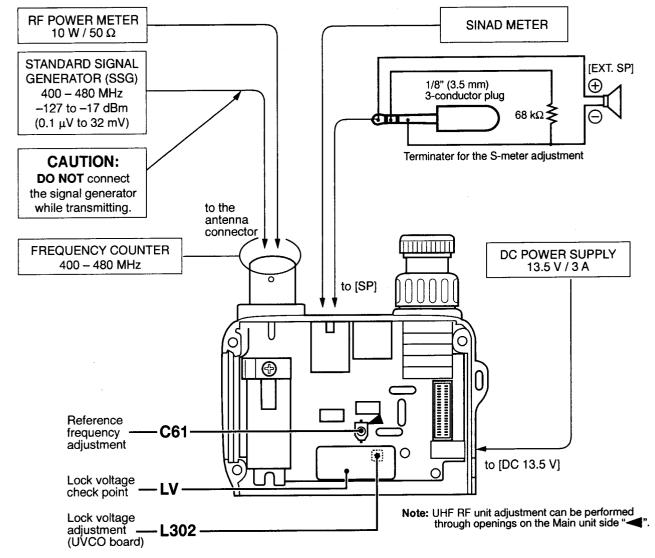
ADJUSTMEN	T	ADJUSTMENT CONDITIONS	MEASUREMENT		VALUE	ADJUSTMENT POINT	
			UNIT	LOCATION	VALUE -	UNIT	ADJUST
LOCK VOLTAGE	1	 Displayed frequency : 440.000 MHz Transmitting 	RF	Connect the digi- tal voltmeter or	2.4 V	UVCO	L302
	2	● Receiving		oscilloscope to the check point "LV."	1.9 V ± 0.2 V		Verify
REFERENCE FREQUENCY	1	 Displayed frequency : 440.000 MHz Connect the RF power meter or a 50 Ω dummy load to the antenna connector. Transmitting 	Top panel	Loosely couple the frequency counter to the antenna connector.	440.000 MHz	UHF RF	C61

5-5 IC-T42 RECEIVER ADJUSTMENT

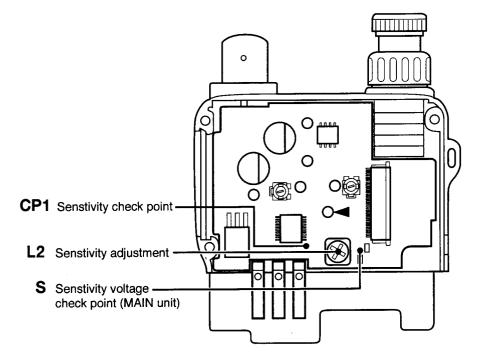
ADJUSTMEN	т	ADJUSTMENT CONDITIONS	ME	ASUREMENT	VALUE	ADJUSTMENT POINT	
			UNIT	LOCATION	TALUL	UNIT	ADJUST
SENSITIVITY	1	 Displayed frequency: 440.000 MHz [SQL] control : Max. CCW Connect the SSG to the antenna connector and set as: Level : 1 mV* (-47 dBm) Modulation : OFF Receiving 	MAIN	Connect a DC volt- meter to the check point "CP1."	1.0 V	MAIN	L2
	2	 Set the SSG output as: Level : 0.18 μV* (-122 dBm) Modulation : 1 kHz Deviation : ±3.5 kHz 	To panel	Connect a SINAD meter to the [SP] jack.	Less than 0.18 µV for 12 dB SINAD		Verify
S-METER	1	 Displayed frequency : 445.000 MHz (USA) 435.000 MHz (All other versions) Connect the SSG to the antenna connector and set as: Level : 0.5 µV* (-113 dBm) Modulation : 1 kHz Deviation : ±3.5 kHz Connect the terminator to the [SP] jack. Receiving 	Front panel			While pus [FUNC] ke the [CALL	y, push
	2	 Set the SSG output for the S-meter becoming to S3 (4 dots). 		The SSG output level.	0.28 µV to 0.89 µV (118 dBm to 108 dBm)		Verify

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

• UHF RF UNIT



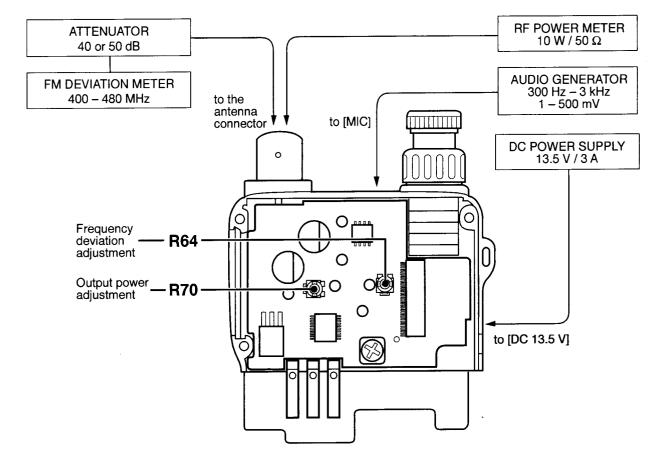
• MAIN UNIT



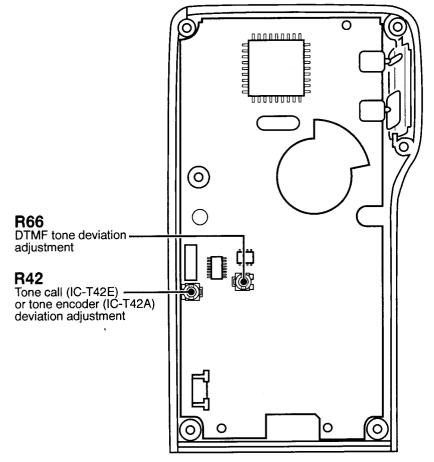
5-6 IC-T42 TRANSMITTER ADJUSTMENT

	·		ME	ASUREMENT	VALUE	ADJUSTMENT POINT	
ADJUSTMEN		ADJUSTMENT CONDITIONS	UNIT LOCATION VALUE			UNIT	ADJUST
UHF OUTPUT POWER	1	 Displayed frequency: 440.000 MHz Output power: High Be sure the power supply voltage is 13.5 V Transmitting 	Top panel	Connect the RF power meter to the antenna connec- tor.	5.0 W	MAIN	R70
	2	Output power : Low			0.2 – 1.0 W		Verify
FREQUENCY DEVIATION	1	 Displayed frequency : 445.000 MHz (USA) 435.000 MHz (All other versions) Output power : High Connect the audio generator to the [MIC] jack and set as : 95 mV/1.0 kHz Set the FM deviation meter as: HPF : OFF LPF : 20 kHz De-emphasis : OFF Detector : (P-P)/2 Transmitting 	Top panel	Connect the FM deviation meter to the antenna con- nector through the attenuator.	±4.5 kHz	MAIN	R64
DTMF TONE DEVIATION	4	 Displayed frequency : 445.000 MHz (USA) 435.000 MHz (All other versions) Push [D] key while transmitting. 	Top panel	Connect the FM deviation meter to the antenna con- nector through the attenuator.	±3.5 kHz	LOGIC	R66
TONE CALL DEVIATION (IC-T42E)	1	 Displayed frequency : 435.000 MHz Push [MONI] switch while transmitting. 	Top panel	Connect the FM deviation meter to the antenna con- nector through the attenuator.	±3.5 kHz	LOGIC	R42
TONE ENCODER DEVIATION (IC-T42A)	4	 Displayed frequency : 445.000 MHz (USA) 435.000 MHz (All other versions) HPF : OFF LPF : 20 kHz De-emphasis : OFF Detector : (P-P)/2 Tone frequency : 88.5 Hz Apply no signal to the [MIC] connector Transmitting 	Top panel	Connect the FM deviation meter to the antenna con- nector through the attenuator.	±0.75 kHz	LOGIC	R42

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• LOGIC UNIT



T42

[VHF RF UNIT] (IC-T22 only)

Τ22

[VHF RF UNIT] (IC-T22 only)

REF. NO.	PARTS NO.	DESCRIPTION			REF. NO.	PARTS NO.		DESCRIPTION	
IC2	1150001400	IC	SC1265		L14	6200004920	S.COIL	MLF1608A 2R2K-T	
52 04	1130007610	S.IC	uPD3140GS-E1 (DS8)		L14 L15	6200004920	S.COIL	MLF1608A 1R5K-T	
/4	1130007610	5.10	µPD314003-E1 (D38)		1	1	S.COIL		
				1	L16	6200004780		MLF1608A 1R5K-T	
					L17	6200005510	S.COIL	ELJND R27J-F [AUS]	
21	1530002900	S.TRANSISTOR		1	L18	6200004720	S.COIL	MLF1608D R10K-T	
2	1530002570	S.TRANSISTOR			L20	6200004100	S.COIL	MLF1608D 68NM-T	
3	1530003430	S.TRANSISTOR	2SC5226-4-TL	1					
4	1530002560	S.TRANSISTOR	2SC4403-3-TR						
25	1590001690	S.TRANSISTOR	UN9115(TX)		R1	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ	
6	1530002560	S.TRANSISTOR	2SC4403-3-TR		R2	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ	
7	1590001690	S.TRANSISTOR			R3	7030003550	S.RESISTOR	ERJ3GEYJ 822 V (8.2 kg	
8	1590001690	S.TRANSISTOR			R4	7030003290	S.RESISTOR	ERJ3GEYJ 560 V (56 Ω)	
	1	1	2SB1132 T100 R		R5	7030003660	S.RESISTOR	ERJ3GEYJ 683 V (68 kΩ)	
12	1520000460					1			
13	1540000350	S.TRANSISTOR			R6	7030003320	S.RESISTOR	ERJ3GEYJ 101 V (100 Ω)	
14	1590001140	S.TRANSISTOR	UN9210(TX)		R7	7030003360	S.RESISTOR	ERJ3GEYJ 221 V (220 Ω)	
15	1590001690	S.TRANSISTOR	· · ·	1	R8	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kg	
16	1530003280	S.TRANSISTOR	2SC4211-6-TR		R9	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kg	
17	1530002560	S.TRANSISTOR	2SC4403-3-TR		R10	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)	
18	1560000540	S.FET	2SK880-Y (TE85R)		R11	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)	
19	1590001140	S.TRANSISTOR	• •		R12	7030003660	S.RESISTOR	ERJ3GEYJ 683 V (68 kΩ)	
20	1590001530	S.TRANSISTOR			R13	7030003300	S.RESISTOR	ERJ3GEYJ 680 V (68 Ω)	
20	1530002570	S.TRANSISTOR			R14	7030003620	S.RESISTOR	ERJ3GEYJ 333 V (33 kΩ)	
	1590001160		XP1401-(TX).AB		R14	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)	
23							1		
24	1530003280	S.TRANSISTOR			R16	7030003380	S.RESISTOR	ERJ3GEYJ 331 V (330 Ω)	
25	1590001140	S.TRANSISTOR	UN9210(TX)		R17	7030003280	S.RESISTOR	ERJ3GEYJ 470 V (47 Ω)	
					R18	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)	
	1				R19	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ	
1	1790000660	S.DIODE	MA728(TW)		R20	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ	
2	1790000660	S.DIODE	MA728(TW)		R21	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)	
3	1790000620	S.DIODE	MA77(TW)		R23	7030003320	S.RESISTOR	ERJ3GEYJ 101 V (100 Ω)	
4	1790000620	S.DIODE	MA77(TW)		R24	7030003520	S.RESISTOR	ERJ3GEYJ 472 V (4.7 kΩ	
5	1790000620	S.DIODE	MA77(TW)		R25	7030003520	S.RESISTOR	ERJ3GEYJ 472 V (4.7 kΩ	
6	1790000620	S.DIODE	MA77(TW)		R26	7030003450	S.RESISTOR	ERJ3GEYJ 122 V (1.2 kΩ	
7	1790001290	S.VARICAP	MA304(TX)		R27	7030003520	S.RESISTOR	ERJ3GEYJ 472 V (4.7 kΩ)	
8	1790000620	S.DIODE	MA77(TW)		R28	7030003420	S.RESISTOR	ERJ3GEYJ 681 V (680 Ω)	
9	1790001290	S.VARICAP	MA304(TX)		R29	7030003430	S.RESISTOR	ERJ3GEYJ 821 V (820 Ω)	
10	1790001290	S.VARICAP	MA304(TX)		R30	7030003480	S.RESISTOR	ERJ3GEYJ 222 V (2.2 kΩ)	
11	1790000620	S.DIODE	MA77(TW)		R31	7030003480	S.RESISTOR	ERJ3GEYJ 222 V (2.2 kΩ)	
12	1790001260	S.DIODE	MA2S077-(TX)		R32	7030003200	S.RESISTOR	ERJ3GEYJ 100 V (10 Ω)	
13	1750000370	S.DIODE	DA221 TL		R33	7030003420	S.RESISTOR	ERJ3GEYJ 681 V (680 Ω)	
15	1790001030	S.DIODE	SB30-03P-TD		R34	7030003520	S.RESISTOR	ERJ3GEYJ 472 V (4.7 kΩ)	
16	1790000450	S.DIODE	MA862(TX)		R35	7030003380	S.RESISTOR	ERJ3GEYJ 331 V (330 Ω)	
17	1160000060	S.DIODE	DAN202U T107		R36	7030003670	S.RESISTOR	ERJ3GEYJ 823 V (82 kΩ)	
18	1790001260	S.DIODE	MA2S077-(TX)		R37	7030003380	S.RESISTOR	ERJ3GEYJ 331 V (330 Ω)	
	1100001200	0.01000	in court (inj		R38	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ	
					1	1		ERJ3GEYJ 333 V (33 kΩ)	
	0010001010	MONOLITINO	CL 000 (00 0C0 MPL)		R39	7030003620	S.RESISTOR		
1	2010001610	MONOLITHIC	FL-202 (30.850 MHz)		R40	7030003360	S.RESISTOR	ERJ3GEYJ 221 V (220 Ω)	
					R42	7030003280	S.RESISTOR	ERJ3GEYJ 470 V (47 Ω)	
					R43	7030003800	S.RESISTOR	ERJ3GEYJ 105 V (1 MΩ)	
	6050009420	XTAL	CR-514 (15.200 MHz)		R44	7030003420	S.RESISTOR	ERJ3GEYJ 681 V (680 Ω)	
					R45	7030003460	S.RESISTOR	ERJ3GEYJ 152 V (1.5 kΩ)	
					R46	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)	
	6200002820	S.COIL	LQN 1A 47NJ04		R47	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)	
	6200002390	S.COIL	LQN 1A 64NJ04	1	R48	7030003390	S.RESISTOR	ERJ3GEYJ 391 V (390 Ω)	
	6200002390	S.COIL	LQN 1A 64NJ04		R49	7030003220	S.RESISTOR	ERJ3GEYJ 150 V (15 Ω)	
	6200002390	S.COIL	LQN 1A 56NJ04		R50	7030003220	S.RESISTOR	ERJ3GEYJ 150 V (15 Ω)	
		1						· ·	
	6200002380	S.COIL	LQN 1A 56NJ04		R51	7030003220	S.RESISTOR	ERJ3GEYJ 150 V (15 Ω)	
	6200004480	S.COIL	MLF1608D R82K-T		R52	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)	
	6200004930	S.COIL	MLF1608E 8R2K-T		R53	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)	
	6200004220	S.COIL	MLR1608M 27NJ-T		R54	7030003350	S.RESISTOR	ERJ3GEYJ 181 V (180 Ω)	
	6200004060	S.COIL	MLR1608M 18NJ-T		R56	7030003460	S.RESISTOR	ERJ3GEYJ 152 V (1.5 kΩ)	
1	6150004360	S.COIL	LS-491		R57	7030003280	S.RESISTOR	ERJ3GEYJ 470 V (47 Ω)	
2	6150004360	S.COIL	LS-491		R62	7510000200	S.THERMISTOR		
	6150004360	S.COIL	LS-491	I	R63	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)	
3			LU-431	1	1 100	1000000000	0.000000	LINGULIO 100 V (10 K12)	

S. = Surface mount

[VHF RF UNIT] (IC-T22 only)

[VHF RF UNIT] (IC-T22 only)

REF.	PARTS	T		BEF.	PARTS	T	
NO.	NO.		DESCRIPTION	NO.	NO.		DESCRIPTION
R64	7030003570	S.RESISTOR	ERJ3GEYJ 123 V (12 kΩ)	C69	4610001890	S.TRIMMER	CTZ3E-20C-W1
R65	7030003620	S.RESISTOR	ERJ3GEYJ 333 V (33 kΩ)	C70	4030007050	S.CERAMIC	C1608 CH 1H 220J-T-A
R66	7030003600	S.RESISTOR	ERJ3GEYJ 223 V (22 kΩ)	C71	4030007080	S.CERAMIC	C1608 CH 1H 390J-T-A
R67	7030003770	S.RESISTOR	ERJ3GEYJ 564 V (560 kΩ)	C72	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
R68	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)	C73	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
R69	7030003500	S.RESISTOR	ERJ3GEYJ 332 V (3.3 kΩ)	C75	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
R70	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)	C76	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
R71	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)	C77	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
R72	7030003410	S.RESISTOR	ERJ3GEYJ 561 V (560 Ω)	C78	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
R73	7030003660	S.RESISTOR	ERJ3GEYJ 683 V (68 kΩ)	C79	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
R74	7030003380	S.RESISTOR	ERJ3GEYJ 331 V (330 Ω)	C80	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
104	100000000	0.112010101	21000210001 (000 22)	C81	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
				C82	4030010740	S.CERAMIC	C1608 JB 1A 104K-T-A
C1	4030007050	S.CERAMIC	C1608 CH 1H 220J-T-A	C83	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
C2	4030009920	S.CERAMIC	C1608 CH 1H 050B-T-A	C80 C84	4550000530	S.TANTALUM	TESVA 1V 104M1-8L
C2 C3	4030009920	1		C84 C85	1	S.TANTALUM	TESVA 0J 335M1-8L
1		S.CERAMIC	C1608 CH 1H 270J-T-A	1 1	4550002950		
C4	4030009540	S.CERAMIC	C1608 CH 1H 1R5B-T-A	C86	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
C5	4030007030	S.CERAMIC	C1608 CH 1H 150J-T-A	C87	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
C6	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A	C88	4030006990	S.CERAMIC	C1608 CH 1H 080D-T-A
C7	4030007050	S.CERAMIC	C1608 CH 1H 220J-T-A	C89	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
C8	4030007070	S.CERAMIC	C1608 CH 1H 330J-T-A	C90	4030007050	S.CERAMIC	C1608 CH 1H 220J-T-A
C9	4030007010	S.CERAMIC	C1608 CH 1H 100D-T-A	C91	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
C10	4030009570	S.CERAMIC	C1608 CH 1H 0R3B-T-A	C92	4030007050	S.CERAMIC	C1608 CH 1H 220J-T-A
C11	4030009570	S.CERAMIC	C1608 CH 1H 0R3B-T-A	C93	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
C12	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A	C94	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
C13	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A	C95	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
C14	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A	C96	4030007050	S.CERAMIC	C1608 CH 1H 220J-T-A
C15	4030009920	S.CERAMIC	C1608 CH 1H 050B-T-A	C99	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
C16	4030007100	S.CERAMIC	C1608 CH 1H 560J-T-A	C100	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
C17	4030009920	S.CERAMIC	C1608 CH 1H 050B-T-A	C101	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
C18	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A	C101	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
1		1		C102	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
C19	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A	1 1	1		
C20	4030009920	S.CERAMIC	C1608 CH 1H 050B-T-A	C104	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
C21	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A	C105	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
C22	4030009970	S.CERAMIC	C1608 JB 1H 182K-T-A	C106	4030010740	S.CERAMIC	C1608 JB 1A 104K-T-A
C23	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A	C108	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
C24	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A	C109	4550006080	S.TANTALUM	TEMSVB2 1C 106M-8L
C25	4030007010	S.CERAMIC	C1608 CH 1H 100D-T-A	C110	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
C26	4030007080	S.CERAMIC	C1608 CH 1H 390J-T-A	C111	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
C27	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A	C112	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
C28	4030009910	S.CERAMIC	C1608 CH 1H 040B-T-A	C113	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
C29	4030006980	S.CERAMIC	C1608 CH 1H 070D-T-A	C115	4550000530	S.TANTALUM	TESVA 1V 104M1-8L
C30	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A	C116	4030007090	S.CERAMIC	C1608 CH 1H 470J-T-A
C31	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A	C130	4550003030	S.TANTALUM	TEMSVA 0J 475M-8L
C32	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A				
C33	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A				
C34	4030006970	S.CERAMIC	C1608 CH 1H 060D-T-A	S1	7600000170	ENCODER	TP96D96E20-15FB10K-1460
C35	4030007010	S.CERAMIC	C1608 CH 1H 100D-T-A				
C36	4030009500	S.CERAMIC	C1608 CH 1H 0R5B-T-A				
C37	4030009510	S.CERAMIC	C1608 CH 1H 010B-T-A	J2	6450001060	CONNECTOR	HSJ1493-01-010
C38	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A	J3	6450000130	CONNECTOR	HSJ1102-01-540
C39	4030006970	S.CERAMIC	C1608 CH 1H 060D-T-A	J4	6450000870	CONNECTOR	HEC2711-01-020
C40	4030007010	S.CERAMIC	C1608 CH 1H 100D-T-A	J5	6510018470		IL-WX-30PB-VF84-B-E900
C41	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A		0510010410	5.00MALOTON	12-447-001 2 41 04-2-2000
1							
C42	4030009510	S.CERAMIC	C1608 CH 1H 010B-T-A		700000000		
C43	4030009540	S.CERAMIC	C1608 CH 1H 1R5B-T-A	W1	7030003860	S.JUMPER	ERJ3GE JPW V
C44	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A	W4	7120000380	JUMPER	JPW 01 R-01
C46	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A				
C47	4030006980	S.CERAMIC	C1608 CH 1H 070D-T-A				
C48	4030007010	S.CERAMIC	C1608 CH 1H 100D-T-A	EP1	0910045873	PCB	B 4592C
C49	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A				
C50	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A				
C60	4550002890	S.TANTALUM	TESVA 1A 225M1-8L				
C61	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A				
C62	4030007020	S.CERAMIC	C1608 CH 1H 120J-T-A				
C63	4030009520	S.CERAMIC	C1608 CH 1H 020B-T-A				
000 1	4030009910	S.CERAMIC	C1608 CH 1H 040B-T-A				
C64							
C64	4030009520	S.CERAMIC					
C64 C65	4030009520 4030006860	S.CERAMIC S.CERAMIC	C1608 CH 1H 020B-T-A C1608 JB 1H 102K-T-A				
C64 C65 C66	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A				
C64 C65							

T22

S. = Surface mount

[V VCO UNIT] (IC-T22 only)

[MAIN UNIT]

REF. NO.	PARTS NO.	DESCRIPTION REF. PARTS DES NO. NO.			DESCRIPTION		
		O TRANSICTOR		IC1	1110003490	S.IC	TA31136FN(D,EL)
Q301	1530003310		2SC5107-O (TE85R) 2SC5107-O (TE85R)	IC1	1130004200	S.IC	TC4S66F (TE85R)
2302	1530003310	J. TANSISTUR	2000 107-0 (1200N)	1C3	1130007570	S.IC	BU4094BCFV-EZ
				IC4	1110001810	S.IC	TA7368F(TP1)
	1700001000	0.0005		1C5	1110002490	S.IC	M5218FP-73A
301	1790001260	S.DIODE	MA2S077-(TX)	105	1130004200	S.IC	TC4S66F (TE85R)
302	1790001290	S.VARICAP	MA304(TX)	100	1180001240	S.IC	S-81335HG-KI-T1
.301	6200004480 6110003110	S.COIL COIL	MLF1608D R82K-T LA-501	Q1	1530002600	S.TRANSISTOR	2SC4215-O (TE85R)
.302	6110003110		LA-501	Q2	1590001190	-	XP6501-(TX).AB
				Q3	1590001860	S.TRANSISTOR	
2200	7020002640	S.RESISTOR	ERJ3GEYJ 473 V (47 kΩ)	Q4	1540000350	S.TRANSISTOR	
302	7030003640	S.RESISTOR	RR0510P-102-D (1 kΩ)	Q5	1540000350	S.TRANSISTOR	
R303	7030005800		RR0510P-102-D (1 kΩ)	Q6	1590001690	S.TRANSISTOR	
R304	7030005800	S.RESISTOR		Q7	1590001170		XP1501-(TX).AB
R305	7030007060	S.RESISTOR	ERJ2GEJ 684X (680 kΩ)	Q8	1590001170	1	XP1501-(TX).AB
306	7030005820	S.RESISTOR	RR0510P-103-D (10 kΩ)	Q9	1510000880	S.TRANSISTOR	
R307	7030005820	S.RESISTOR	RR0510P-103-D (10 kΩ)	Q10	1590001170		XP1501-(TX).AB
308	7030005780	S.RESISTOR	RR0510P-221-D (220 Ω)	Q11	1520000650	S.TRANSISTOR	
R309	7030005780	S.RESISTOR	RR0510P-221-D (220 Ω)	Q12	1520000650		2SB1201-5-12 2SB1132 T100 R
R310	7030005750	S.RESISTOR	RR0510R-470-D (47 Ω)				
				Q13	1590001150	S.TRANSISTOR	
				Q15	1590001170	1	XP1501-(TX).AB
C301	4030009810	S.CERAMIC	C1005 JB 1E 102K-T-A	Q16	1530003280	S.TRANSISTOR	
C302	4030010280	S.CERAMIC	C1005 CH 1E 390J-T-A	Q17	1520000460	S. TRANSISTUR	2SB1132 T100 R
C303	4030009810	S.CERAMIC	C1005 JB 1E 102K-T-A				
C304	4030009810	S.CERAMIC	C1005 JB 1E 102K-T-A		47000000	0.00055	
C305	4030009540	S.CERAMIC	C1608 CH 1H 1R5B-T-A	D1	1790000970	S.DIODE	MA729(TX)
C306	4030009540	S.CERAMIC	C1608 CH 1H 1R5B-T-A	D2	1750000370	S.DIODE	DA221 TL
C307	4030009810	S.CERAMIC	C1005 JB 1E 102K-T-A	D3	1790000670	S.DIODE	SB07-03C-TA
2308	4030009810	S.CERAMIC	C1005 JB 1E 102K-T-A	D4	1790001030	S.DIODE	SB30-03P-TD
2309	4030009550	S.CERAMIC	C1608 CH 1H 2R5B-T-A				
C310	4030009810	S.CERAMIC	C1005 JB 1E 102K-T-A				_
				FI1	2020001120	S.CERAMIC	PBFS450P15D
J301	6510018640	CONNECTOR	IMSA-9230B-1-05Z064-T				
				L1	6200002710	S.COIL	ELJFC 1R8K-F
				L2	6150004840	S.COIL	LS-510
EP1	0910045785	РСВ	B 4314E				
				R1	7030003400	S.RESISTOR	ERJ3GEYJ 471 V (470 Ω)
				R2	7030003640	S.RESISTOR	ERJ3GEYJ 473 V (47 kΩ)
				R3	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)
				R4	7030003730	S.RESISTOR	ERJ3GEYJ 274 V (270 kΩ)
				R5	7030003720	S.RESISTOR	ERJ3GEYJ 224 V (220 kΩ)
				R6	7030003490	S.RESISTOR	ERJ3GEYJ 272 V (2.7 kΩ)
				R7	7030003710	S.RESISTOR	ERJ3GEYJ 184 V (180 kΩ)
				R8	7030003590	S.RESISTOR	ERJ3GEYJ 183 V (18 kΩ)
				R9	7030003320	S.RESISTOR	ERJ3GEYJ 101 V (100 Ω)
				R10	7030003600	S.RESISTOR	ERJ3GEYJ 223 V (22 kΩ)
	1			R10	7030003400	S.RESISTOR	ERJ3GEYJ 471 V (470 Ω)
	1			R12	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
				R12	7030003760	S.RESISTOR	ERJ3GEYJ 474 V (470 kΩ)
				R14	7030003700	S.RESISTOR	ERJ3GEYJ 154 V (150 kΩ)
	1			R14	7030003700	S.RESISTOR	ERJ3GEYJ 822 V (8.2 kΩ)
				R15	7030003550	S.RESISTOR	ERJ3GEYJ 153 V (15 kΩ)
					7030003580	S.RESISTOR	ERJ3GEYJ 222 V (2.2 kΩ)
				R17		1	ERJ3GEYJ 393 V (39 kΩ)
				R18	7030003630	S.RESISTOR	
				R19	7030003630	S.RESISTOR	ERJ3GEYJ 393 V (39 kΩ)
				R20	7030003520	S.RESISTOR	ERJ3GEYJ 472 V (4.7 kΩ)
				R21	7030003720	S.RESISTOR	ERJ3GEYJ 224 V (220 kΩ)
				R22	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
				R23	7030003710	S.RESISTOR	ERJ3GEYJ 184 V (180 kΩ)
				R24	7030003800	S.RESISTOR	ERJ3GEYJ 105 V (1 MΩ)
				R25	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)
				R26	7030003590	S.RESISTOR	ERJ3GEYJ 183 V (18 kΩ)
				R27	7030003640	S.RESISTOR	ERJ3GEYJ 473 V (47 kΩ)
					7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)
				R28	100000000		
				R20	7030003400	S.RESISTOR	ERJ3GEYJ 471 V (470 Ω)
						S.RESISTOR S.RESISTOR	ERJ3GEYJ 471 V (470 Ω) ERJ3GEYJ 102 V (1 kΩ)
				R29	7030003400	1	

Τ22

[MAIN UNIT]

R32 T030003580 S.RESISTOR ERJ3GEV J 153 V (15 ku) R33 T030001590 S.RESISTOR ERJ3GEV J 162 V (14 ku) R34 T03000340 S.RESISTOR ERJ3GEV J 102 V (14 ku) R35 T03000350 S.RESISTOR ERJ3GEV J 102 V (14 ku) R36 T030003640 S.RESISTOR ERJ3GEV J 104 V (100 ku) R37 T03000360 S.RESISTOR ERJ3GEV J 104 V (100 ku) R38 T03000360 S.RESISTOR ERJ3GEV J 104 V (100 ku) R40 T030000160 S.RESISTOR ERJ3GEV J 103 V (10 ku) R41 T030000360 S.RESISTOR ERJ3GEV J 103 V (10 ku) R42 T03000370 S.RESISTOR ERJ3GEV J 124 V (220 ku) R44 T03000370 S.RESISTOR ERJ3GEV J 224 V (220 ku) R52 T03000380 S.RESISTOR ERJ3GEV J 121 V (120 u) R54 T03000370 S.RESISTOR ERJ3GEV J 224 V (220 ku) R55 T03000360 S.RESISTOR ERJ3GEV J 224 V (220 ku) R56 T03000360 S.RESISTOR ERJ3GEV J 234 V (30 ku)	REF. NO.	PARTS NO.		DESCRIPTION
R33 7030001540 S.RESISTOR MCR1822H 470 (47 Ω) R34 7030005330 S.RESISTOR RA0316P-103-D (10 kg) R35 7030005320 S.RESISTOR RR0816P-662-D (5.6 kg) R37 7030005300 S.RESISTOR RR0816P-103-D (10 kg) R37 703000540 S.RESISTOR ERJ3GEV 1101 V (100 kg) R38 7030005200 S.RESISTOR ERJ3GEV 1101 V (100 kg) R41 703000180 S.RESISTOR ERJ3GEV 1102 V (10 kg) R42 7030003560 S.RESISTOR ERJ3GEV 1102 V (10 kg) R43 7030003700 S.RESISTOR ERJ3GEV 1102 V (10 kg) R44 703000370 S.RESISTOR ERJ3GEV 121 V (120 g) R45 703000370 S.RESISTOR ERJ3GEV 122 V (220 kg) R55 703000370 S.RESISTOR ERJ3GEV 122 V (220 kg) R56 703000370 S.RESISTOR ERJ3GEV 122 V (220 kg) R56 703000370 S.RESISTOR ERJ3GEV 133 V (39 kg) R56 703000370 S.RESISTOR ERJ3GEV 133 V (20 kg) <	B32	7030003580	S RESISTOR	EB 13GEV 153 \/ (15 kO)
R34 7030003440 S.RESISTOR ERJ3GEYJ 102 V (1 kG) R36 7030005320 S.RESISTOR RR0816F-620-D (5.6 kG) R37 7030003840 S.RESISTOR RR0816F-620-D (5.6 kG) R38 7030003840 S.RESISTOR ERJ3GEYJ 131 V (17 kG) R38 7030003840 S.RESISTOR ERJ3GEYJ 141 V (180 kJ) R34 7030003800 S.RESISTOR ERJ3GEYJ 104 V (10 kG) R41 7030003800 S.RESISTOR ERJ3GEYJ 103 V (10 kG) R42 7030003800 S.RESISTOR ERJ3GEYJ 102 V (11 kG) R43 7030003700 S.RESISTOR ERJ3GEYJ 122 V (220 kG) R44 703000370 S.RESISTOR ERJ3GEYJ 122 V (120 kG) R55 703000370 S.RESISTOR ERJ3GEYJ 224 V (220 kG) R54 703000370 S.RESISTOR ERJ3GEYJ 224 V (220 kG) R57 703000370 S.RESISTOR ERJ3GEYJ 324 V (220 kG) R58 703000370 S.RESISTOR ERJ3GEYJ 333 V (38 kQ) R58 703000370 S.RESISTOR ERJ3GEYJ 333 V (38 kQ) <				. ,
R36 7030005320 S.RESISTOR RR0816P-103-D (10 kΩ) R37 703000360 S.RESISTOR EHJ3GEVJ 473 V (47 kΩ) R38 703000380 S.RESISTOR EHJ3GEVJ 104 V (100 kΩ) R40 703000380 S.RESISTOR EHJ3GEVJ 100 V (10 Ω) R41 703000380 S.RESISTOR EHJ3GEVJ 103 V (10 kΩ) R42 703000380 S.RESISTOR EHJ3GEVJ 103 V (10 kΩ) R43 7030003700 S.RESISTOR EHJ3GEVJ 103 V (10 kΩ) R44 7030003700 S.RESISTOR EHJ3GEVJ 103 V (10 kΩ) R45 703000370 S.RESISTOR EHJ3GEVJ 124 V (220 kΩ) R44 703000370 S.RESISTOR EHJ3GEVJ 224 V (220 kΩ) R55 703000370 S.RESISTOR EHJ3GEVJ 234 V (220 kΩ) R56 703000370 S.RESISTOR EHJ3GEVJ 103 V (10 kΩ) R57 703000370 S.RESISTOR EHJ3GEVJ 103 V (10 kΩ) R58 703000360 S.RESISTOR EHJ3GEVJ 103 V (10 kΩ) R58 703000360 S.RESISTOR EHJ3GEVJ 103 V (10 kΩ)	1			. ,
R37 7030003640 S.RESISTOR ERJ3GEYJ 473 V (47 kg) R38 7030003600 S.RESISTOR ERJ3GEYJ 104 V (100 kg) R40 7030003200 S.RESISTOR ERJ3GEYJ 101 V (100 kg) R41 7030003200 S.RESISTOR ERJ3GEYJ 102 V (10 kg) R42 703000360 S.RESISTOR ERJ3GEYJ 103 V (10 kg) R43 7030003700 S.RESISTOR ERJ3GEYJ 224 V (220 kg) R44 7030003700 S.RESISTOR ERJ3GEYJ 102 V (14 kg) R45 7030003700 S.RESISTOR ERJ3GEYJ 102 V (14 kg) R52 7030003700 S.RESISTOR ERJ3GEYJ 102 V (14 kg) R54 7030003700 S.RESISTOR ERJ3GEYJ 102 V (14 kg) R55 7030003700 S.RESISTOR ERJ3GEYJ 224 V (220 kg) R56 7030003700 S.RESISTOR ERJ3GEYJ 102 V (14 kg) R56 7030003700 S.RESISTOR ERJ3GEYJ 102 V (10 kg) R56 7030003700 S.RESISTOR ERJ3GEYJ 103 V (10 kg) R56 7030003700 S.RESISTOR ERJ3GEYJ 103 V (10 kg)	R35	7030005330	S.RESISTOR	RR0816P-562-D (5.6 kΩ)
R38 7030003600 S.RESISTOR ERJ3GEYJ 101 V (100 k2) R40 7030003200 S.RESISTOR ERJ3GEYJ 100 V (100 Ω) R41 7030003200 S.RESISTOR MCR10EZHJ 220 (22 Ω) R42 703000360 S.RESISTOR MCR10EZHJ 220 (22 Ω) R43 7030003700 S.RESISTOR ERJ3GEYJ 103 V (10 kΩ) R44 7030003700 S.RESISTOR ERJ3GEYJ 124 V (120 kΩ) R45 703000370 S.RESISTOR ERJ3GEYJ 124 V (120 kΩ) R54 703000370 S.RESISTOR ERJ3GEYJ 121 V (120 Ω) R55 703000370 S.RESISTOR ERJ3GEYJ 104 V (100 k2) R55 703000370 S.RESISTOR ERJ3GEYJ 104 V (100 k2) R56 703000370 S.RESISTOR ERJ3GEYJ 104 V (100 k2) R57 703000370 S.RESISTOR ERJ3GEYJ 104 V (100 k2) R58 703000370 S.RESISTOR ERJ3GEYJ 103 V (10 k2) R64 703000370 S.RESISTOR ERJ3GEYJ 103 V (10 k2) R65 703000370 S.RESISTOR ERJ3GEYJ 103 V (10 k2)	1			
R39 7030003350 S.RESISTOR ERJ3GEYJ 181 V (180 Ω) R40 7030003200 S.RESISTOR ERJ3GEYJ 100 V (10 Ω) R41 703000380 S.RESISTOR MCR10EZHJ 220 (22 Ω) R42 703000380 S.RESISTOR EHJ3GEYJ 103 V (10 KΩ) R45 7030003700 S.RESISTOR EHJ3GEYJ 124 V (220 KΩ) R46 7030003700 S.RESISTOR EHJ3GEYJ 124 V (120 KΩ) R47 7030003700 S.RESISTOR EHJ3GEYJ 124 V (120 KΩ) R53 7030003700 S.RESISTOR EHJ3GEYJ 124 V (120 KΩ) R54 7030003700 S.RESISTOR EHJ3GEYJ 124 V (120 KΩ) R55 7030003700 S.RESISTOR EHJ3GEYJ 134 V (180 KΩ) R64 7030003700 S.RESISTOR EHJ3GEYJ 134 V (180 KΩ) R55 703000370 S.RESISTOR EHJ3GEYJ 134 V (180 KΩ) R66 703000370 S.RESISTOR EHJ3GEYJ 134 V (180 K2) R67 703000370 S.RESISTOR EHJ3GEYJ 133 V (10 K2) R68 703000360 S.RESISTOR EHJ3GEYJ 133 V (10 K2)				· · ·
R40 7030003200 S.RESISTOR ENJGEYJ 100 V (10 Ω) R41 703000180 S.RESISTOR MCR10EZHJ 220 (22 Ω) R42 703000360 S.RESISTOR ENJGEYJ 123 V (10 KΩ) R45 7030003700 S.RESISTOR ENJGEYJ 124 V (22 Ω) R46 7030003700 S.RESISTOR ENJGEYJ 124 V (150 KΩ) R47 7030003700 S.RESISTOR ENJGEYJ 124 V (120 LQ) R53 7030003700 S.RESISTOR ENJGEYJ 124 V (120 LQ) R54 7030003700 S.RESISTOR ENJGEYJ 123 V (120 LQ) R55 7030003700 S.RESISTOR ENJGEYJ 104 V (100 KQ) R54 703000370 S.RESISTOR ENJGEYJ 224 V (220 KQ) R55 703000370 S.RESISTOR ENJGEYJ 334 V (30 KQ) R56 703000370 S.RESISTOR ENJGEYJ 334 V (30 KQ) R57 703000370 S.RESISTOR ENJGEYJ 334 V (30 KQ) R64 703000370 S.RESISTOR ENJGEYJ 103 V (10 KQ) R65 703000360 S.RESISTOR ENJGEYJ 103 V (10 KQ) R6				
R41 703000180 S.RESISTOR MCR10EZHJ 220 (22 Ω) R42 703000360 S.RESISTOR ENJ3GEVJ 103 V (10 kΩ) R43 7030003760 S.RESISTOR ENJ3GEVJ 103 V (10 kΩ) R44 7030003700 S.RESISTOR ENJ3GEVJ 103 V (10 kΩ) R46 7030003700 S.RESISTOR ENJ3GEVJ 124 V (220 kΩ) R47 7030003700 S.RESISTOR ENJ3GEVJ 121 V (180 kΩ) R54 703000370 S.RESISTOR ENJ3GEVJ 122 V (120 kΩ) R54 703000370 S.RESISTOR ENJ3GEVJ 224 V (220 kΩ) R55 703000370 S.RESISTOR ENJ3GEVJ 324 V (220 kΩ) R56 703000370 S.RESISTOR ENJ3GEVJ 333 V (38 kΩ) R57 703000360 S.RESISTOR ENJ3GEVJ 333 V (38 kΩ) R68 703000350 S.RESISTOR ENJ3GEVJ 123 V (12 kΩ) R61 703000350 S.RESISTOR ENJ3GEVJ 132 V (12 kΩ) R62 703000350 S.RESISTOR ENJ3GEVJ 132 V (12 kΩ) R63 7103000350 S.RESISTOR <thenj3gevj (14="" 102="" kω)<="" th="" v=""></thenj3gevj>	1			
R42 703000380 S.RESISTOR MCR10EZHJ 220 (22 Ω) R43 703003560 S.RESISTOR ERJ3GEYJ 103 V (10 kΩ) R44 7030003700 S.RESISTOR ERJ3GEYJ 224 V (220 kΩ) R47 7030003700 S.RESISTOR ERJ3GEYJ 122 V (120 Ω) R48 7030003700 S.RESISTOR ERJ3GEYJ 122 V (120 Ω) R52 7030003700 S.RESISTOR ERJ3GEYJ 122 V (120 Ω) R53 7030003700 S.RESISTOR ERJ3GEYJ 122 V (120 Ω) R54 7030003700 S.RESISTOR ERJ3GEYJ 124 V (200 kQ) R55 7030003700 S.RESISTOR ERJ3GEYJ 334 V (30 kQ) R56 7030003600 S.RESISTOR ERJ3GEYJ 339 V (30 kQ) R67 7030003560 S.RESISTOR ERJ3GEYJ 132 V (10 kQ) R61 7030003560 S.RESISTOR ERJ3GEYJ 132 V (10 kQ) R61 7030003560 S.RESISTOR ERJ3GEYJ 132 V (10 kQ) R63 7510009900 S.THERMISTOR TCC72012 35H 23 kC-T R64 7310002600 S.THIMMER RV-110 (RH03A3A54X0A)473	1	1		
R43 7030003560 S.RESISTOR ERJ3GEYJ 103 V (10 kΩ) R46 7030003700 S.RESISTOR ERJ3GEYJ 247 V (220 kΩ) R47 7030003700 S.RESISTOR ERJ3GEYJ 124 V (120 kΩ) R48 7030003700 S.RESISTOR ERJ3GEYJ 124 V (120 kΩ) R52 7030003720 S.RESISTOR ERJ3GEYJ 124 V (120 kΩ) R54 7030003700 S.RESISTOR ERJ3GEYJ 244 V (220 kΩ) R55 7030003700 S.RESISTOR ERJ3GEYJ 244 V (220 kΩ) R56 7030003700 S.RESISTOR ERJ3GEYJ 334 V (330 kΩ) R57 7030003700 S.RESISTOR ERJ3GEYJ 334 V (39 kΩ) R58 7030003500 S.RESISTOR ERJ3GEYJ 333 V (39 kΩ) R60 7030003570 S.RESISTOR ERJ3GEYJ 103 V (10 kΩ) R61 7030003570 S.RESISTOR ERJ3GEYJ 103 V (10 kΩ) R62 7030003560 S.RESISTOR ERJ3GEYJ 103 V (10 kΩ) R63 7030003560 S.RESISTOR ERJ3GEYJ 103 V (10 kΩ) R64 7030003560 S.RESISTOR ERJ3GEYJ 103 V (10 kΩ) </td <td></td> <td></td> <td></td> <td>· /</td>				· /
R46 7030003720 S.RESISTOR ERJ3GEY J 224 V (220 kΩ) R47 7030003700 S.RESISTOR ERJ3GEY J 154 V (150 kΩ) R48 7030003700 S.RESISTOR ERJ3GEY J 122 V (12 Ω) R51 7030003700 S.RESISTOR ERJ3GEY J 122 V (12 Ω) R53 7030003700 S.RESISTOR ERJ3GEY J 224 V (220 kΩ) R54 7030003700 S.RESISTOR ERJ3GEY J 224 V (220 kΩ) R55 7030003700 S.RESISTOR ERJ3GEY J 334 V (30 kΩ) R56 7030003700 S.RESISTOR ERJ3GEY J 334 V (30 kΩ) R57 703000360 S.RESISTOR ERJ3GEY J 103 V (10 kΩ) R60 703000350 S.RESISTOR ERJ3GEY J 122 V (12 kΩ) R61 703000350 S.RESISTOR ERJ3GEY J 122 V (12 kΩ) R62 703000350 S.RESISTOR ERJ3GEY J 122 V (12 kΩ) R63 710002600 S.THEMMER RV-10(RH03A3A5X0A)473 R64 731002580 S.RESISTOR ERJ3GEY J 102 V (1 kΩ) R65 703003560 S.RESISTOR ERJ3GEY J 103 V (10 k2) <td>R43</td> <td>7030003560</td> <td>S.RESISTOR</td> <td></td>	R43	7030003560	S.RESISTOR	
R47 7030003700 S.RESISTOR ERJ3GEYJ 154 V (150 kΩ) R48 7030003400 S.RESISTOR ERJ3GEYJ 122 V (1 kΩ) R52 7030003700 S.RESISTOR ERJ3GEYJ 122 V (120 Ω) R53 7030003700 S.RESISTOR ERJ3GEYJ 224 V (220 kΩ) R54 7030003700 S.RESISTOR ERJ3GEYJ 224 V (20 kΩ) R55 7030003700 S.RESISTOR ERJ3GEYJ 324 V (100 kΩ) R56 7030003740 S.RESISTOR ERJ3GEYJ 333 V (39 kΩ) R57 7030003540 S.RESISTOR ERJ3GEYJ 333 V (39 kΩ) R61 7030003540 S.RESISTOR ERJ3GEYJ 102 V (10 kΩ) R61 7030003540 S.RESISTOR ERJ3GEYJ 102 V (10 kΩ) R63 7510000900 S.THERMISTOR NTCCF2012 35H 223 kC-T R64 730003560 S.RESISTOR ERJ3GEYJ 103 V (10 kΩ) R65 7030003560 S.RESISTOR ERJ3GEYJ 103 V (10 kΩ) R66 7030003560 S.RESISTOR ERJ3GEYJ 103 V (10 kΩ) R67 7030003560 S.RESISTOR ERJ3GEYJ 103 V (10 kΩ)		1	1	. ,
R48 7030003440 S.RESISTOR ERJ3GEY J 102 V (1 kΩ) R52 7030003300 S.RESISTOR ERJ3GEY J 224 (220 kΩ) R54 7030003700 S.RESISTOR ERJ3GEY J 224 (220 kΩ) R56 7030003700 S.RESISTOR ERJ3GEY J 224 (220 kΩ) R56 7030003660 S.RESISTOR ERJ3GEY J 334 V (300 kΩ) R57 7030003630 S.RESISTOR ERJ3GEY J 333 V (39 kΩ) R68 7030003660 S.RESISTOR ERJ3GEY J 133 V (10 kΩ) R61 7030003560 S.RESISTOR ERJ3GEY J 123 V (10 kΩ) R61 7030003570 S.RESISTOR ERJ3GEY J 123 V (10 kΩ) R61 7030003560 S.RESISTOR ERJ3GEY J 123 V (12 kΩ) R63 7510002600 S.TRIMMER RV-110 (RH03A3A54X0A)4/73 R64 7310002600 S.RESISTOR ERJ3GEY J 103 V (10 kΩ) R67 7030003660 S.RESISTOR ERJ3GEY J 103 V (10 kΩ) R67 7030003660 S.RESISTOR ERJ3GEY J 103 V (10 kΩ) R72 7030003660 S.RESISTOR ERJ3GEY J 103 V (10 kΩ)	1	1		
R52 7030003330 S.RESISTOR ERJ3GEYJ 121 V (120 Ω) R53 7030003720 S.RESISTOR ERJ3GEYJ 224 V (220 KΩ) R54 7030003720 S.RESISTOR ERJ3GEYJ 104 V (100 KΩ) R55 7030003720 S.RESISTOR ERJ3GEYJ 224 V (220 KΩ) R56 7030003740 S.RESISTOR ERJ3GEYJ 334 V (330 KΩ) R58 7030003600 S.RESISTOR ERJ3GEYJ 333 V (39 KΩ) R59 7030003600 S.RESISTOR ERJ3GEYJ 332 V (10 K2) R61 7030003560 S.RESISTOR ERJ3GEYJ 103 V (10 K2) R62 7030003500 S.RESISTOR ERJ3GEYJ 103 V (10 K2) R63 7510000900 S.THERMISTOR NTCCF2012 38H 223 KC-T R64 730003630 S.RESISTOR ERJ3GEYJ 103 V (10 K2) R65 7030003560 S.RESISTOR ERJ3GEYJ 103 V (10 K2) R66 7030003560 S.RESISTOR ERJ3GEYJ 103 V (10 K2) R70 7310002580 S.TRIMMER RV-108 (RH03A3A15X05A)104 R71 7303003560 S.RESISTOR ERJ3GEYJ 103 V (10 K2) </td <td></td> <td></td> <td>1</td> <td></td>			1	
R53 7030003720 S.RESISTOR ERJ3GEYJ 224 V (220 kΩ) R54 7030003670 S.RESISTOR ERJ3GEYJ 223 V (22 kΩ) R55 703000370 S.RESISTOR ERJ3GEYJ 224 V (220 kΩ) R56 703000370 S.RESISTOR ERJ3GEYJ 334 V (30 kΩ) R57 703000330 S.RESISTOR ERJ3GEYJ 393 V (39 kΩ) R58 703000350 S.RESISTOR ERJ3GEYJ 103 V (10 kΩ) R60 703000350 S.RESISTOR ERJ3GEYJ 108 V (10 kΩ) R61 703000350 S.RESISTOR ERJ3GEYJ 128 V (12 kΩ) R62 703000350 S.RESISTOR ERJ3GEYJ 128 V (12 kΩ) R63 7510000900 S.THERMISTOR NTCCF2012 3SH 223 kC-T R64 7310002600 S.RESISTOR ERJ3GEYJ 103 V (10 kΩ) R65 703000360 S.RESISTOR ERJ3GEYJ 103 V (10 kΩ) R66 703000360 S.RESISTOR ERJ3GEYJ 103 V (10 kΩ) R70 703000360 S.RESISTOR ERJ3GEYJ 103 V (10 kΩ) R71 703000360 S.RESISTOR ERJ3GEYJ 103 V (10 kΩ)				. ,
R54 7030003670 S.RESISTOR ERJ3GEYJ 823 V (82 kΩ) R55 7030003700 S.RESISTOR ERJ3GEYJ 104 V (100 kΩ) R56 7030003700 S.RESISTOR ERJ3GEYJ 244 V (220 kΩ) R57 7030003630 S.RESISTOR ERJ3GEYJ 393 V (39 kΩ) R58 7030003630 S.RESISTOR ERJ3GEYJ 393 V (39 kΩ) R60 7030003500 S.RESISTOR ERJ3GEYJ 123 V (10 kΩ) R61 7030003500 S.RESISTOR ERJ3GEYJ 123 V (12 kΩ) R63 751000900 S.THERMISTOR NTCCF2012 33H 223 kC-T R64 703000360 S.RESISTOR ERJ3GEYJ 103 V (10 kΩ) R65 703000360 S.RESISTOR ERJ3GEYJ 103 V (10 kΩ) R66 703000360 S.RESISTOR ERJ3GEYJ 103 V (10 kΩ) R67 7030003560 S.RESISTOR ERJ3GEYJ 103 V (10 kΩ) R71 7030003560 S.RESISTOR ERJ3GEYJ 103 V (10 kΩ) R73 7030003560 S.RESISTOR ERJ3GEYJ 103 V (10 kΩ) R74 7030003560 S.RESISTOR ERJ3GEYJ 103 V (10 kΩ)	1	1	1	
R56 7030003720 S.RESISTOR ERJ3GEYJ 224 V (220 kΩ) R57 7030003740 S.RESISTOR ERJ3GEYJ 393 V (39 kΩ) R58 7030003630 S.RESISTOR ERJ3GEYJ 393 V (39 kΩ) R60 7030003500 S.RESISTOR ERJ3GEYJ 103 V (10 kΩ) R60 7030003500 S.RESISTOR ERJ3GEYJ 102 V (16 kΩ) R61 7030003500 S.RESISTOR ERJ3GEYJ 102 V (16 kΩ) R62 7030003500 S.RESISTOR ERJ3GEYJ 102 V (16 kΩ) R63 7510000900 S.THERMISTOR RTCCF2012 38H 223 kC-T R64 7310002600 S.TRIMMER RV-110 (RH03A3AS4X0AA)473 R65 7030003500 S.RESISTOR ERJ3GEYJ 102 V (1 kΩ) R66 7030003560 S.RESISTOR ERJ3GEYJ 103 V (10 kΩ) R70 7310002560 S.RESISTOR ERJ3GEYJ 103 V (10 kΩ) R71 7030003560 S.RESISTOR ERJ3GEYJ 103 V (10 kΩ) R72 7030003560 S.RESISTOR ERJ3GEYJ 103 V (10 kΩ) R73 7030003560 S.RESISTOR ERJ3GEYJ 103 V (10 kΩ)	1	7030003670	1	
R57 7030003740 S.RESISTOR ERJ3GEYJ 334 V (330 kΩ) R58 7030003630 S.RESISTOR ERJ3GEYJ 393 V (39 kΩ) R60 703000360 S.RESISTOR ERJ3GEYJ 103 V (10 kQ) R61 703000360 S.RESISTOR ERJ3GEYJ 103 V (10 kQ) R61 703000360 S.RESISTOR ERJ3GEYJ 123 V (12 kQ) R63 7510009900 S.THERMISTOR TCC72012 312 V (12 kQ) R64 7310002600 S.TRIMMER RV-110 (RH03A3A54X0AA)473 R65 703000360 S.RESISTOR ERJ3GEYJ 103 V (10 kQ) R66 703000360 S.RESISTOR ERJ3GEYJ 103 V (10 kQ) R67 703000350 S.RESISTOR ERJ3GEYJ 103 V (10 kQ) R70 7310002580 S.RESISTOR ERJ3GEYJ 103 V (10 kQ) R73 7030003560 S.RESISTOR ERJ3GEYJ 103 V (10 kQ) R74 703000320 S.RESISTOR ERJ3GEYJ 103 V (10 kQ) R73 703000320 S.RESISTOR ERJ3GEYJ 101 V (10 Q) R74 7030003300 S.RESISTOR ERJ3GEYJ 101 V (10 Q)	R55	7030003680	S.RESISTOR	
R58 7030003630 S.RESISTOR ERJ3GEYJ 393 V (39 kΩ) R60 7030003630 S.RESISTOR ERJ3GEYJ 393 V (39 kΩ) R60 7030003540 S.RESISTOR ERJ3GEYJ 103 V (10 kΩ) R61 7030003540 S.RESISTOR ERJ3GEYJ 682 V (6.8 kΩ) R62 7030003540 S.RESISTOR ERJ3GEYJ 123 V (12 kΩ) R63 7510000900 S.THERMISTOR NTCCF2012 3SH 223 kC-T R64 7310002600 S.TREIMMER RV-110 (RH03A3S4X0AA)473 R65 7030003630 S.RESISTOR ERJ3GEYJ 102 V (1 kΩ) R66 703000360 S.RESISTOR ERJ3GEYJ 103 V (10 kΩ) R70 7310002580 S.TRIMMER RV-108 (RH03A3A15X05A)104 R71 7030003560 S.RESISTOR ERJ3GEYJ 103 V (10 kΩ) R74 7030003560 S.RESISTOR ERJ3GEYJ 103 V (10 kΩ) R74 703000320 S.RESISTOR ERJ3GEYJ 103 V (10 kΩ) R74 7030003800 S.RESISTOR ERJ3GEYJ 103 V (10 kΩ) R75 703000370 S.RESISTOR ERJ3GEYJ 104 V (100 Ω)				
R59 7030003630 S.RESISTOR ERJ3GEYJ 393 V (39 kΩ) R60 7030003560 S.RESISTOR ERJ3GEYJ 103 V (10 kΩ) R61 7030003570 S.RESISTOR ERJ3GEYJ 123 V (12 kΩ) R62 7030003570 S.RESISTOR ERJ3GEYJ 123 V (12 kΩ) R63 7510000900 S.THERMISTOR NTCCF2012 3SH 223 kC-T R64 7310002600 S.RESISTOR ERJ3GEYJ 102 V (1 kΩ) R65 7030003630 S.RESISTOR ERJ3GEYJ 393 V (39 kΩ) R67 7030003680 S.RESISTOR ERJ3GEYJ 102 V (1 kΩ) R68 7030003680 S.RESISTOR ERJ3GEYJ 103 V (10 kΩ) R70 7310002580 S.RESISTOR ERJ3GEYJ 104 V (100 kΩ) R71 7030003560 S.RESISTOR ERJ3GEYJ 103 V (10 kΩ) R73 7030003560 S.RESISTOR ERJ3GEYJ 103 V (10 kΩ) R74 7030003560 S.RESISTOR ERJ3GEYJ 103 V (10 kΩ) R75 7030003800 S.RESISTOR ERJ3GEYJ 103 V (10 kΩ) R76 7030003800 S.RESISTOR ERJ3GEYJ 103 V (10 kΩ)	1		4	
R60 7030003560 S.RESISTOR ERJ3GEYJ 103 V (10 kΩ) R61 7030003540 S.RESISTOR ERJ3GEYJ 682 V (6.8 kΩ) R63 7510000900 S.THERMISTOR TCCF2012 3SH 223 kC-T R64 7310002600 S.THERMISTOR TVCCF2012 3SH 223 kC-T R65 7030003630 S.RESISTOR ERJ3GEYJ 102 V (1 kΩ) R66 7030003630 S.RESISTOR ERJ3GEYJ 103 V (10 kΩ) R67 7030003630 S.RESISTOR ERJ3GEYJ 104 V (100 kΩ) R69 7030003560 S.RESISTOR ERJ3GEYJ 104 V (100 kΩ) R70 7310002580 S.RESISTOR ERJ3GEYJ 103 V (10 kΩ) R71 7030003560 S.RESISTOR ERJ3GEYJ 103 V (10 kΩ) R73 7030003560 S.RESISTOR ERJ3GEYJ 103 V (10 kΩ) R74 703000320 S.RESISTOR ERJ3GEYJ 103 V (10 kΩ) R75 7030003760 S.RESISTOR ERJ3GEYJ 103 V (10 kΩ) R74 7030003800 S.RESISTOR ERJ3GEYJ 103 V (10 kΩ) R75 7030003800 S.RESISTOR ERJ3GEYJ 105 V (1 MΩ)	1	1	1	
R61 7030003540 S.RESISTOR ERJ3GEYJ 682 V (6.8 kΩ) R62 7030003570 S.RESISTOR ERJ3GEYJ 123 V (12 kΩ) R63 7510000900 S.TRIMMER RV-110 (RH03A3A54X0AA)473 R64 7310002600 S.TRIMMER RV-110 (RH03A3A54X0AA)473 R65 7030003600 S.RESISTOR ERJ3GEYJ 102 V (1 kΩ) R66 7030003600 S.RESISTOR ERJ3GEYJ 103 V (10 kΩ) R70 7310002580 S.RESISTOR ERJ3GEYJ 104 V (100 kΩ) R71 7030003560 S.RESISTOR ERJ3GEYJ 104 V (100 kΩ) R72 7030003560 S.RESISTOR ERJ3GEYJ 103 V (10 kΩ) R73 7030003320 S.RESISTOR ERJ3GEYJ 103 V (10 kΩ) R74 7030003320 S.RESISTOR ERJ3GEYJ 101 V (10 kΩ) R75 7030003320 S.RESISTOR ERJ3GEYJ 102 V (1 MΩ) R76 7030003800 S.RESISTOR ERJ3GEYJ 105 V (1 MΩ) R77 7030003810 S.RESISTOR ERJ3GEYJ 105 V (1 MΩ) R78 7030003810 S.RESISTOR ERJ3GEYJ 125 V (1.2 MΩ)				
R62 7030003570 S.RESISTOR ERJ3GEYJ 123 V (12 kΩ) R63 7510000900 S.THERMISTOR NTCCF2012 3SH 223 kC-T R64 7310002600 S.TRIMMER RV-110 (RH03A3A54X0AA)473 R65 7030003600 S.RESISTOR ERJ3GEYJ 102 V (1 kΩ) R66 7030003600 S.RESISTOR ERJ3GEYJ 103 V (10 kΩ) R67 7030003600 S.RESISTOR ERJ3GEYJ 104 V (100 kΩ) R70 7310002580 S.TRIMMER RV-108 (RH03A3A15X05A)104 R71 7030003560 S.RESISTOR ERJ3GEYJ 103 V (10 kΩ) R72 7030003560 S.RESISTOR ERJ3GEYJ 103 V (10 kΩ) R73 7030003260 S.RESISTOR ERJ3GEYJ 103 V (10 kΩ) R74 7030003260 S.RESISTOR ERJ3GEYJ 103 V (10 kΩ) R75 7030003800 S.RESISTOR ERJ3GEYJ 103 V (10 kΩ) R76 7030003810 S.RESISTOR ERJ3GEYJ 103 V (10 kΩ) R77 7030003810 S.RESISTOR ERJ3GEYJ 105 V (1 MΩ) R77 7030003810 S.RESISTOR ERJ3GEYJ 125 V (1.2 MΩ) <td></td> <td></td> <td>1</td> <td></td>			1	
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R70 7310002580 S.TRIMMER RV-108 (RH03A3A155X05A)104 R71 7030003540 S.RESISTOR ERJ3GEYJ 682 V (6.8 kΩ) R72 7030003560 S.RESISTOR ERJ3GEYJ 103 V (10 kΩ) R73 7030003500 S.RESISTOR ERJ3GEYJ 103 V (10 kΩ) R74 7030003760 S.RESISTOR ERJ3GEYJ 103 V (10 kΩ) R75 7030003760 S.RESISTOR ERJ3GEYJ 105 V (1 MΩ) R76 7030003800 S.RESISTOR ERJ3GEYJ 105 V (1 MΩ) R77 7030003810 S.RESISTOR ERJ3GEYJ 125 V (1.2 MΩ) R78 7030003810 S.RESISTOR ERJ3GEYJ 125 V (1.2 MΩ) R73 7030003810 S.RESISTOR ERJ3GEYJ 125 V (1.2 MΩ) R74 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C2 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C3 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C4 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C7 403010740 S.CERAMIC C1608 JB 1H 102K-T-A <	ł	1	1	· · · · ·
R71 7030003540 S.RESISTOR ERJ3GEYJ 682 V (6.8 kΩ) R72 7030003560 S.RESISTOR ERJ3GEYJ 103 V (10 kΩ) R73 7030003560 S.RESISTOR ERJ3GEYJ 103 V (10 kΩ) R74 703000320 S.RESISTOR ERJ3GEYJ 101 V (100 Ω) R75 7030003760 S.RESISTOR ERJ3GEYJ 105 V (1 MΩ) R76 7030003810 S.RESISTOR ERJ3GEYJ 105 V (1 MΩ) R77 7030001590 S.RESISTOR ERJ3GEYJ 105 V (1 MΩ) R78 7030003810 S.RESISTOR ERJ3GEYJ 125 V (1.2 MΩ) R78 7030006860 S.CERAMIC C1608 JB 1H 102K-T-A C2 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C3 4030006860 S.CERAMIC C1608 JB 1A 104K-T-A C4 4030010740 S.CERAMIC C1608 JB 1A 104K-T-A C5 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C4 4030010740 S.CERAMIC C1608 JB 1H 102K-T-A C7 4030010740 S.CERAMIC C1608 JB 1H 102K-T-A C11	1	1		· · · ·
R73 7030003560 S.RESISTOR ERJ3GEYJ 103 V (10 kΩ) R74 703000320 S.RESISTOR ERJ3GEYJ 101 V (100 Ω) R75 7030003760 S.RESISTOR ERJ3GEYJ 105 V (1 MΩ) R76 7030003800 S.RESISTOR ERJ3GEYJ 105 V (1 MΩ) R77 7030003810 S.RESISTOR ERJ3GEYJ 105 V (1 MΩ) R78 7030003810 S.RESISTOR ERJ3GEYJ 125 V (1.2 MΩ) R78 7030006860 S.CERAMIC C1608 JB 1H 102K-T-A C2 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C3 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C4 4030010740 S.CERAMIC C1608 JB 1A 104K-T-A C6 4030006860 S.CERAMIC C1608 JB 1A 104K-T-A C7 4030010740 S.CERAMIC C1608 JB 1H 102K-T-A C8 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C10 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C11 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C12 <	R71	7030003540		ERJ3GEYJ 682 V (6.8 kΩ)
R74 7030003320 S.RESISTOR ERJ3GEYJ 101 V (100 Ω) R75 7030003760 S.RESISTOR ERJ3GEYJ 474 V (470 kΩ) R76 7030003800 S.RESISTOR ERJ3GEYJ 105 V (1 MΩ) R77 7030003810 S.RESISTOR ERJ3GEYJ 105 V (1 MΩ) R78 7030003810 S.RESISTOR ERJ3GEYJ 125 V (1.2 MΩ) R78 7030006860 S.CERAMIC C1608 JB 1H 102K-T-A C2 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C3 4030006860 S.CERAMIC C1608 JB 1A 104K-T-A C4 4030010740 S.CERAMIC C1608 JB 1A 104K-T-A C6 4030006860 S.CERAMIC C1608 JB 1A 104K-T-A C7 4030010740 S.CERAMIC C1608 JB 1A 104K-T-A C8 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C9 403010740 S.CERAMIC C1608 JB 1H 102K-T-A C11 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C12 4030010740 S.CERAMIC C1608 JB 1H 102K-T-A C13 <td< td=""><td></td><td>7030003560</td><td>S.RESISTOR</td><td>ERJ3GEYJ 103 V (10 kΩ)</td></td<>		7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
R75 7030003760 S.RESISTOR ERJ3GEYJ 474 V (470 kΩ) R76 7030003800 S.RESISTOR ERJ3GEYJ 105 V (1 MΩ) R77 7030001590 S.RESISTOR ERJ3GEYJ 105 V (1 MΩ) R78 7030003810 S.RESISTOR ERJ3GEYJ 125 V (1.2 MΩ) R78 7030006860 S.CERAMIC C1608 JB 1H 102K-T-A C2 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C3 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C4 4030010740 S.CERAMIC C1608 JB 1A 104K-T-A C6 4030006900 S.CERAMIC C1608 JB 1A 104K-T-A C7 4030010740 S.CERAMIC C1608 JB 1A 104K-T-A C8 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C9 4030010740 S.CERAMIC C1608 JB 1H 102K-T-A C11 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C12 4030006860 S.CERAMIC C1608 JB 1A 104K-T-A C14 4030006860 S.CERAMIC C1608 JB 1A 104K-T-A C14 4	1			
R76 7030003800 S.RESISTOR ERJ3GEYJ 105 V (1 MΩ) R77 7030001590 S.RESISTOR MCR18EZHJ470 (47 Ω) R78 7030003810 S.RESISTOR ERJ3GEYJ 125 V (1.2 MΩ) C1 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C2 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C3 4030006860 S.CERAMIC C1608 JB 1A 104K-T-A C4 4030010740 S.CERAMIC C1608 JB 1A 104K-T-A C6 4030006860 S.CERAMIC C1608 JB 1A 104K-T-A C7 4030010740 S.CERAMIC C1608 JB 1A 104K-T-A C8 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C9 4030010740 S.CERAMIC C1608 JB 1H 102K-T-A C10 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C11 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C12 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C13 4030010740 S.CERAMIC C1608 JB 1H 102K-T-A C14 40300068		1		· · · ·
R77 7030001590 S.RESISTOR MCR18EZHJ470 (47 Ω) R78 7030003810 S.RESISTOR ERJ3GEYJ 125 V (1.2 MΩ) C1 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C2 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C3 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C4 4030010740 S.CERAMIC C1608 JB 1A 104K-T-A C6 4030006860 S.CERAMIC C1608 JB 1A 104K-T-A C7 4030010740 S.CERAMIC C1608 JB 1A 104K-T-A C8 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C9 4030010740 S.CERAMIC C1608 JB 1H 102K-T-A C10 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C11 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C12 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C13 4030010740 S.CERAMIC C1608 JB 1H 102K-T-A C14 4030006860 S.CERAMIC C1608 JB 1A 104K-T-A C15 4030010740	· · · · +			. ,
R78 7030003810 S.RESISTOR ERJ3GEYJ 125 V (1.2 MΩ) C1 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C2 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C3 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C4 4030010740 S.CERAMIC C1608 JB 1A 104K-T-A C6 4030006900 S.CERAMIC C1608 JB 1A 104K-T-A C7 4030010740 S.CERAMIC C1608 JB 1A 104K-T-A C8 4030006860 S.CERAMIC C1608 JB 1A 104K-T-A C9 4030010740 S.CERAMIC C1608 JB 1A 104K-T-A C10 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C11 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C12 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C13 4030010740 S.CERAMIC C1608 JB 1A 104K-T-A C14 4030007010 S.CERAMIC C1608 JB 1H 102K-T-A C15 4030010740 S.CERAMIC C1608 JB 1A 104K-T-A C14 4030000686				
C2 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C3 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C4 4030010740 S.CERAMIC C1608 JB 1A 104K-T-A C6 4030006900 S.CERAMIC C1608 JB 1E 103K-T-A C7 4030010740 S.CERAMIC C1608 JB 1A 104K-T-A C8 4030006860 S.CERAMIC C1608 JB 1A 104K-T-A C9 4030010740 S.CERAMIC C1608 JB 1A 104K-T-A C10 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C11 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C12 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C13 4030010740 S.CERAMIC C1608 JB 1A 104K-T-A C14 4030007010 S.CERAMIC C1608 JB 1A 104K-T-A C15 4030010740 S.CERAMIC C1608 JB 1H 102K-T-A C14 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C15 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C16 4030006860 <td>R78</td> <td>7030003810</td> <td>S.RESISTOR</td> <td></td>	R78	7030003810	S.RESISTOR	
C2 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C3 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C4 4030010740 S.CERAMIC C1608 JB 1A 104K-T-A C6 4030006900 S.CERAMIC C1608 JB 1E 103K-T-A C7 4030010740 S.CERAMIC C1608 JB 1A 104K-T-A C8 4030006860 S.CERAMIC C1608 JB 1A 104K-T-A C9 4030010740 S.CERAMIC C1608 JB 1A 104K-T-A C10 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C11 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C12 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C13 4030010740 S.CERAMIC C1608 JB 1A 104K-T-A C14 4030007010 S.CERAMIC C1608 JB 1A 104K-T-A C15 4030010740 S.CERAMIC C1608 JB 1H 102K-T-A C14 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C15 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C16 4030006860 <td></td> <td></td> <td></td> <td></td>				
C3 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C4 4030010740 S.CERAMIC C1608 JB 1A 104K-T-A C6 4030006900 S.CERAMIC C1608 JB 1E 103K-T-A C7 4030010740 S.CERAMIC C1608 JB 1A 104K-T-A C8 4030006860 S.CERAMIC C1608 JB 1A 104K-T-A C9 4030010740 S.CERAMIC C1608 JB 1H 102K-T-A C9 4030010740 S.CERAMIC C1608 JB 1H 102K-T-A C10 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C11 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C12 4030006860 S.CERAMIC C1608 JB 1A 104K-T-A C13 4030010740 S.CERAMIC C1608 JB 1A 104K-T-A C14 40300010740 S.CERAMIC C1608 JB 1A 104K-T-A C15 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C14 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C15 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C16 4030006860 <td>C1</td> <td>4030006860</td> <td>S.CERAMIC</td> <td>C1608 JB 1H 102K-T-A</td>	C1	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
C4 4030010740 S.CERAMIC C1608 JB 1A 104K-T-A C6 4030006900 S.CERAMIC C1608 JB 1E 103K-T-A C7 4030010740 S.CERAMIC C1608 JB 1A 104K-T-A C8 4030006860 S.CERAMIC C1608 JB 1A 104K-T-A C9 4030010740 S.CERAMIC C1608 JB 1H 102K-T-A C9 4030010740 S.CERAMIC C1608 JB 1H 102K-T-A C10 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C11 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C12 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C13 4030010740 S.CERAMIC C1608 JB 1A 104K-T-A C14 4030007010 S.CERAMIC C1608 JB 1A 104K-T-A C15 4030010740 S.CERAMIC C1608 JB 1H 102K-T-A C16 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C17 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C18 4030006900 S.CERAMIC C1608 JB 1H 102K-T-A C20 4030006900 <td>C2</td> <td>4030006860</td> <td>S.CERAMIC</td> <td>C1608 JB 1H 102K-T-A</td>	C2	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
C6 4030006900 S.CERAMIC C1608 JB 1E 103K-T-A C7 4030010740 S.CERAMIC C1608 JB 1A 104K-T-A C8 4030006860 S.CERAMIC C1608 JB 1A 104K-T-A C9 4030010740 S.CERAMIC C1608 JB 1A 104K-T-A C9 4030010740 S.CERAMIC C1608 JB 1A 104K-T-A C10 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C11 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C12 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C13 4030010740 S.CERAMIC C1608 JB 1A 104K-T-A C14 4030007010 S.CERAMIC C1608 JB 1A 104K-T-A C15 4030010740 S.CERAMIC C1608 JB 1A 104K-T-A C16 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C17 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C18 4030008900 S.CERAMIC C1608 JB 1C 473K-T-A C20 4030006900 S.CERAMIC C1608 JB 1H 102K-T-A C21 4030006870 </td <td></td> <td></td> <td></td> <td>1</td>				1
C7 4030010740 S.CERAMIC C1608 JB 1A 104K-T-A C8 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C9 4030010740 S.CERAMIC C1608 JB 1A 104K-T-A C10 4030006860 S.CERAMIC C1608 JB 1A 104K-T-A C11 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C12 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C13 4030010740 S.CERAMIC C1608 JB 1A 104K-T-A C14 4030007010 S.CERAMIC C1608 JB 1A 104K-T-A C14 4030007010 S.CERAMIC C1608 JB 1A 104K-T-A C15 4030010740 S.CERAMIC C1608 JB 1A 104K-T-A C16 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C17 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C18 403000890 S.CERAMIC C1608 JB 1C 473K-T-A C19 4030006900 S.CERAMIC C1608 JB 1H 102K-T-A C20 4030006800 S.CERAMIC C1608 JB 1H 102K-T-A C21 4030006870<				1
C8 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C9 4030010740 S.CERAMIC C1608 JB 1A 104K-T-A C10 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C11 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C12 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C13 4030010740 S.CERAMIC C1608 JB 1H 102K-T-A C14 40300010740 S.CERAMIC C1608 JB 1A 104K-T-A C15 4030010740 S.CERAMIC C1608 JB 1A 104K-T-A C16 4030006860 S.CERAMIC C1608 JB 1A 104K-T-A C16 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C17 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C18 4030008920 S.CERAMIC C1608 JB 1C 473K-T-A C19 403006900 S.CERAMIC C1608 JB 1E 103K-T-A C20 4030006800 S.CERAMIC C1608 JB 1H 102K-T-A C21 4030006870 S.CERAMIC C1608 JB 1H 102K-T-A C22 403000068				
C9 4030010740 S.CERAMIC C1608 JB 1A 104K-T-A C10 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C11 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C12 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C13 4030010740 S.CERAMIC C1608 JB 1A 104K-T-A C14 40300010740 S.CERAMIC C1608 JB 1A 104K-T-A C15 4030010740 S.CERAMIC C1608 JB 1A 104K-T-A C16 4030006860 S.CERAMIC C1608 JB 1A 104K-T-A C16 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C16 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C17 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C18 4030008920 S.CERAMIC C1608 JB 1C 473K-T-A C20 4030006900 S.CERAMIC C1608 JB 1H 102K-T-A C21 4030006870 S.CERAMIC C1608 JB 1H 102K-T-A C22 4030006870 S.CERAMIC C1608 JB 1H 102K-T-A C23 4030000				
C10 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C11 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C12 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C13 4030010740 S.CERAMIC C1608 JB 1A 104K-T-A C14 4030007010 S.CERAMIC C1608 CH 1H 100D-T-A C15 4030010740 S.CERAMIC C1608 JB 1A 104K-T-A C16 4030010740 S.CERAMIC C1608 JB 1A 104K-T-A C16 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C17 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C18 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C19 4030006800 S.CERAMIC C1608 JB 1C 473K-T-A C20 4030006900 S.CERAMIC C1608 JB 1E 103K-T-A C21 4030006800 S.CERAMIC C1608 JB 1H 102K-T-A C22 4030006870 S.CERAMIC C1608 JB 1H 102K-T-A C22 4030006870 S.CERAMIC C1608 JB 1H 102K-T-A C23 4030000				1
C12 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C13 4030010740 S.CERAMIC C1608 JB 1A 104K-T-A C14 4030007010 S.CERAMIC C1608 CH 1H 100D-T-A C15 4030010740 S.CERAMIC C1608 CH 1H 100D-T-A C16 4030006860 S.CERAMIC C1608 JB 1A 104K-T-A C16 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C17 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C18 4030008920 S.CERAMIC C1608 JB 1C 473K-T-A C19 4030006900 S.CERAMIC C1608 JB 1E 103K-T-A C20 4030006900 S.CERAMIC C1608 JB 1H 102K-T-A C21 4030006800 S.CERAMIC C1608 JB 1H 102K-T-A C22 4030006800 S.CERAMIC C1608 JB 1H 102K-T-A C22 4030006870 S.CERAMIC C1608 JB 1H 102K-T-A C25 4030010740 S.CERAMIC C1608 JB 1A 104K-T-A C26 4030009000 S.CERAMIC C1608 JB 1H 102K-T-A C27 4030006		4030006860	S.CERAMIC	
C13 4030010740 S.CERAMIC C1608 JB 1A 104K-T-A C14 4030007010 S.CERAMIC C1608 CH 1H 100D-T-A C15 4030010740 S.CERAMIC C1608 CH 1H 100D-T-A C16 4030006860 S.CERAMIC C1608 JB 1A 104K-T-A C16 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C17 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C18 4030008920 S.CERAMIC C1608 JB 1C 473K-T-A C19 4030006900 S.CERAMIC C1608 JB 1E 103K-T-A C20 4030006900 S.CERAMIC C1608 JB 1H 102K-T-A C21 4030006870 S.CERAMIC C1608 JB 1H 102K-T-A C22 4030006870 S.CERAMIC C1608 JB 1H 102K-T-A C23 4030006870 S.CERAMIC C1608 JB 1H 102K-T-A C24 4030006870 S.CERAMIC C1608 JB 1A 104K-T-A C25 4030000900 S.CERAMIC C1608 JB 1A 104K-T-A C26 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C27 4030006				
C14 4030007010 S.CERAMIC C1608 CH 1H 100D-T-A C15 4030010740 S.CERAMIC C1608 JB 1A 104K-T-A C16 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C17 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C18 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C19 4030006900 S.CERAMIC C1608 JB 1C 473K-T-A C20 4030006900 S.CERAMIC C1608 JB 1E 103K-T-A C21 4030006800 S.CERAMIC C1608 JB 1H 102K-T-A C22 4030006870 S.CERAMIC C1608 JB 1H 102K-T-A C23 4030006870 S.CERAMIC C1608 JB 1H 102K-T-A C24 4030006870 S.CERAMIC C1608 JB 1H 102K-T-A C25 4030010740 S.CERAMIC C1608 JB 1A 104K-T-A C26 4030009000 S.CERAMIC C1608 JB 1H 102K-T-A C27 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C28 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C28 4030006				
C15 4030010740 S.CERAMIC C1608 JB 1A 104K-T-A C16 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C17 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C18 4030008920 S.CERAMIC C1608 JB 1H 102K-T-A C19 4030006900 S.CERAMIC C1608 JB 1C 473K-T-A C20 4030006900 S.CERAMIC C1608 JB 1E 103K-T-A C21 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C22 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C24 4030006870 S.CERAMIC C1608 JB 1H 102K-T-A C25 4030010740 S.CERAMIC C1608 JB 1A 104K-T-A C26 4030009000 S.CERAMIC C1608 JB 1A 104K-T-A C27 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C28 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C28 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C29 4510006450 S.TANTALUM TEMSVA2 0J 475M-8R				
C16 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C17 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C18 4030008920 S.CERAMIC C1608 JB 1C 473K-T-A C19 4030006900 S.CERAMIC C1608 JB 1E 103K-T-A C20 4030006900 S.CERAMIC C1608 JB 1E 103K-T-A C21 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C22 4030006870 S.CERAMIC C1608 JB 1H 102K-T-A C25 4030010740 S.CERAMIC C1608 JB 1A 104K-T-A C26 4030009000 S.CERAMIC C1608 JB 1A 104K-T-A C26 4030009000 S.CERAMIC C1608 JB 1A 104K-T-A C26 4030009000 S.CERAMIC C1608 JB 1H 102K-T-A C27 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C28 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C29 4510006450 S.TANTALUM TEMSVA2 0J 475M-8R				
C17 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C18 4030008920 S.CERAMIC C1608 JB 1C 473K-T-A C19 4030006900 S.CERAMIC C1608 JB 1E 103K-T-A C20 4030006900 S.CERAMIC C1608 JB 1E 103K-T-A C21 4030006800 S.CERAMIC C1608 JB 1E 103K-T-A C21 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C22 4030006870 S.CERAMIC C1608 JB 1H 102K-T-A C25 4030010740 S.CERAMIC C1608 JB 1A 104K-T-A C26 4030009000 S.CERAMIC C212 JB 1C 224K-T-A C27 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C28 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C28 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C29 4510006450 S.TANTALUM TEMSVA2 0J 475M-8R				
C19 4030006900 S.CERAMIC C1608 JB 1E 103K-T-A C20 4030006900 S.CERAMIC C1608 JB 1E 103K-T-A C21 4030006860 S.CERAMIC C1608 JB 1E 103K-T-A C22 4030006870 S.CERAMIC C1608 JB 1H 102K-T-A C25 4030010740 S.CERAMIC C1608 JB 1H 222K-T-A C26 4030009000 S.CERAMIC C1608 JB 1A 104K-T-A C26 4030009000 S.CERAMIC C2012 JB 1C 224K-T-A C27 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C28 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C29 4510006450 S.TANTALUM TEMSVA2 0J 475M-8R				
C20 4030006900 S.CERAMIC C1608 JB 1E 103K-T-A C21 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C22 4030006870 S.CERAMIC C1608 JB 1H 102K-T-A C25 4030010740 S.CERAMIC C1608 JB 1A 104K-T-A C26 4030009000 S.CERAMIC C2012 JB 1C 224K-T-A C27 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C28 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C29 4510006450 S.TANTALUM TEMSVA2 0J 475M-8R	1			
C21 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C22 4030006870 S.CERAMIC C1608 JB 1H 222K-T-A C25 4030010740 S.CERAMIC C1608 JB 1A 104K-T-A C26 4030009000 S.CERAMIC C2012 JB 1C 224K-T-A C27 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C28 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C29 4510006450 S.TANTALUM TEMSVA2 0J 475M-8R	1			
C22 4030006870 S.CERAMIC C1608 JB 1H 222K-T-A C25 4030010740 S.CERAMIC C1608 JB 1A 104K-T-A C26 4030009000 S.CERAMIC C2012 JB 1C 224K-T-A C27 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C28 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C29 4510006450 S.TANTALUM TEMSVA2 0J 475M-8R				
C25 4030010740 S.CERAMIC C1608 JB 1A 104K-T-A C26 4030009000 S.CERAMIC C2012 JB 1C 224K-T-A C27 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C28 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C29 4510006450 S.TANTALUM TEMSVA2 0J 475M-8R				
C26 4030009000 S.CERAMIC C2012 JB 1C 224K-T-A C27 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C28 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C29 4510006450 S.TANTALUM TEMSVA2 0J 475M-8R	1)		4
C27 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C28 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C29 4510006450 S.TANTALUM TEMSVA2 0J 475M-8R	1			1
C29 4510006450 S.TANTALUM TEMSVA2 0J 475M-8R	C27			1
	1			
COU 40000000 S. TAINTALUM TESVA TV 224MT-8L	1	1		
	030	400000550	S. TAINTALUM	ICOVA IV ZZ4MI-BL

[MAIN UNIT]

REF. NO.	PARTS NO.		DESCRIPTION
C31	4030006900	S.CERAMIC	C1608 JB 1E 103K-T-A
C32	4030008920	S.CERAMIC	C1608 JB 1C 473K-T-A
C33 C34	4550002890	S.TANTALUM	TESVA 1A 225M1-8L
C34 C35	4030006860 4550004040	S.CERAMIC S.TANTALUM	C1608 JB 1H 102K-T-A TEMSVA 0J 685M-8L
C36	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
C37	4510004640	S.ELECTROL	ECEV1CA470SP
C38	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
C39 C40	4510005320 4030006860	S.ELECTROL S.CERAMIC	ECEV0JA101SP C1608 JB 1H 102K-T-A
C40 C41	4030000800	S.CERAMIC	C1608 CH 1H 470J-T-A
C42	4510006450	S.TANTALUM	TEMSVA2 0J 475M-8R
C43	4030008920	S.CERAMIC	C1608 JB 1C 473K-T-A
C44	4510005370	S.ELECTROL	ECEV1AA221P
C45 C46	4030006860 4030006860	S.CERAMIC S.CERAMIC	C1608 JB 1H 102K-T-A C1608 JB 1H 102K-T-A
C47	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
C48	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
C49	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
C50 C51	4030006880 4030006850	S.CERAMIC S.CERAMIC	C1608 JB 1H 472K-T-A C1608 JB 1H 471K-T-A
C52	4510006450	S.TANTALUM	TEMSVA2 0J 475M-8R
C53	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
C54	4550000550	S.TANTALUM	TESVA 1V 224M1-8L
C55 C56	4030006850 4030008470	S.CERAMIC	C1608 JB 1H 471K-T-A
C56 C57	4030006900	S.CERAMIC S.CERAMIC	C1608 JB 1H 272K-T-A C1608 JB 1E 103K-T-A
C58	4030007140	S.CERAMIC	C1608 CH 1H 121J-T-A
C59	4030006900	S.CERAMIC	C1608 JB 1E 103K-T-A
C61	4030006900	S.CERAMIC	C1608 JB 1E 103K-T-A
C62 C63	4030006850 4030008920	S.CERAMIC S.CERAMIC	C1608 JB 1H 471K-T-A C1608 JB 1C 473K-T-A
C64	4030008920	S.CERAMIC	C1608 JB 1C 473K-T-A
C67	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
C68	4510006450	S.TANTALUM	TEMSVA2 0J 475M-8R
C69 C70	4030006860 4550006220	S.CERAMIC S.TANTALUM	C1608 JB 1H 102K-T-A TEMSVA 0J 156M-8L
C71	4550006220	S.TANTALUM	TEMSVA 0J 156M-8L
C72	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
C73	4550002980	S.TANTALUM	TEMSVA 1C 225M-8L
C74 C75	4030006860 4550002980	S.CERAMIC S.TANTALUM	C1608 JB 1H 102K-T-A TEMSVA 1C 225M-8L
C76	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
C77	4030008880	S.CERAMIC	C1608 JB 1C 223K-T-A
C78	4030008880	S.CERAMIC	C1608 JB 1C 223K-T-A
C79	4030006850	S.CERAMIC	C1608 JB 1H 471K-T-A
J1	6510018480	S.CONNECTOR	IL-WX-30SB-VF-B-E1000
J2	6510018630	S.CONNECTOR	
W1	7030003860	S.JUMPER	ERJ3GE JPW V
EP1	0910045764	PCB (T22)	B 4373D
	0910045804	PCB (T42)	B 4373D
	1		

Τ42 T22

[LOGIC UNIT]

[LOGIC UNIT]

IC2 119000260 S.IC 24LC0BTUSH R37 7030003600 S.RE IC3 1130007560 S.IC S.07305L-AT-T1 R37 7030003600 S.RE C1 150001160 S.TRANSISTOR LV0210(TX) R38 7030003600 S.RE C3 1540001360 S.TRANSISTOR XP1210(TX) R39 7030003600 S.RE C4 1560001180 S.TRANSISTOR XP1210(TX) R39 7030003600 S.RE C6 15000180 S.TRANSISTOR ZSD2216-S(TX) 7030003600 S.RE C7 154000350 S.TRANSISTOR ZSD2216-S(TX) R40 7030003500 S.RE C1 1590001860 S.TRANSISTOR UN8216(TX) R40 7030003600 S.RE C11 1590001860 S.TRANSISTOR UN8216(TX) R41 7030003600 S.RE C11 1590001280 S.DIODE MA111(TX) R43 7030003600 S.RE C1 1790001280 S.DIODE MA111(TX) <	DE000107:001	
IC1 1140005320 S.IC HD404629C32H R36 7030003650 S.RE IC2 119000260 S.IC 24LC08BTI(SN R37 7030003600 S.RE IC4 1190007560 S.IC LC738B1M-TLM R37 7030003600 S.RE IC4 1590001140 S.TRANSISTOR XP1210(TX) R38 7030003600 S.RE Q3 1590001180 S.TRANSISTOR XP1210(TX) R39 7030003600 S.RE Q4 1590001180 S.TRANSISTOR XP1210(TX) R39 7030003500 S.RE Q10 1590001800 S.TRANSISTOR XSD216S(TX) R40 7030003500 S.RE Q11 1590001800 S.TRANSISTOR UN8210(TX) R40 7030003500 S.RE Q11 159001200 S.DIODE MA111(TX) R41 7030003500 S.RE Q11 159001280 S.DIODE MA111(TX) R44 7030003200 S.RE Q12 1540000205 S.DIODE MA111(TX) <th colspan="2">DESCRIPTION</th>	DESCRIPTION	
IC2 113000280 S.IC 24LC08PTISM R37 7030003600 S.RE IC4 I13007560 S.IC LC7381IM-TLM R37 7030003600 S.RE C1 1590001140 S.TRANSISTOR LC73881IM-TLM R38 7030003600 S.RE C2 1590001180 S.TRANSISTOR XP1210(TX) R38 7030003600 S.RE C3 1590001180 S.TRANSISTOR XP1210(TX) R39 7030003600 S.RE C4 1590001180 S.TRANSISTOR S250216-S(TX) 7030003600 S.RE C4 159000180 S.TRANSISTOR S251622-S-TR 7030003600 S.RE C10 159000180 S.TRANSISTOR UN8216(TX) R40 7030003600 S.RE C11 159000180 S.TRANSISTOR UN8216(TX) R43 7030003600 S.RE C12 1590001200 S.DIODE MA111(TX) R43 7030003600 S.RE D4 1790001200 S.DIODE MA111(TX) R44		
IC2 119000280 S.IC 24_C08BT/SM R37 7030003600 S.RE IC4 1130007560 S.IC LC73881M-TLM R37 7030003600 S.RE IC4 1590001140 S.TRANSISTOR LQ73881M-TLM R38 7030003560 S.RE IC4 1590001160 S.TRANSISTOR XP1210(TX) R39 7030003600 S.RE IC4 1590001160 S.TRANSISTOR XP1210(TX) R39 7030003500 S.RE IC5 1540000350 S.TRANSISTOR S250216-S(TX) 7030003500 S.RE IC1 1560001860 S.TRANSISTOR S250216-S(TX) R40 7030003500 S.RE IC1 1560001860 S.TRANSISTOR UN8216(TX) R41 7030003500 S.RE IC1 1560001860 S.TRANSISTOR UN8216(TX) R43 7030003500 S.RE IC1 179001280 S.DIODE MA111(TX) R43 7030003500 S.RE IC1 179001280 S.DIODE MA111(TX)	IESISTOR ERJ3GEYJ 563 V (56 kΩ)	
IC3 1110003360 S.IC S-807305L-AT-TI R37 7030003600 S.RE IC4 1130007560 S.IC LG73861M-TLM 7030003670 S.RE Q1 1590001140 S.TRANSISTOR SD2216-S(TX) R38 7030003560 S.RE Q2 1540000350 S.TRANSISTOR XP1210(TX) R39 7030003560 S.RE Q4 1590001140 S.TRANSISTOR XP1210(TX) R40 7030003670 S.RE Q3 1590001400 S.TRANSISTOR S2D216-S(TX) R40 7030003500 S.RE Q3 1590001400 S.TRANSISTOR S2D216-S(TX) R40 7030003500 S.RE Q11 1590001400 S.TRANSISTOR S2D216-S(TX) R41 7030003500 S.RE Q11 1590001400 S.TRANSISTOR S2D216-S(TX) R44 7030003500 S.RE Q11 1790001200 S.DIODE MA111(TX) R44 7030003500 S.RE Q5 1790012020 S.DIODE MA1111(TX)<	[USA], [AUS], [SEA]	
IC4 1130007560 S.IC LG73881M-TLM 7030003670 S.RE C1 1560001100 S.TRANSISTOR 20216-S(TX) R38 7030003670 S.RE C3 1560001100 S.TRANSISTOR XP1210(TX) R39 7030003600 S.RE C4 1560001100 S.TRANSISTOR XP1210(TX) R39 7030003670 S.RE C4 156000180 S.TRANSISTOR ZSA1622-6-TR 7030003600 S.RE C7 1540000350 S.TRANSISTOR ZSA1622-6-TR 7030003600 S.RE C10 1550001400 S.TRANSISTOR UN8216(TX) 7030003600 S.RE C11 156000130 S.TRANSISTOR UN8216(TX) R41 7030003600 S.RE C11 1590001480 S.DIODE MA111(TX) R43 7030003600 S.RE C11 1790001280 S.DIODE MA111(TX) R44 7030003600 S.RE C1 1790001280 S.DIODE MA111(TX) R44 7030003320 S.RE <td>ESISTOR ERJ3GEYJ 223 V (22 kΩ)</td>	ESISTOR ERJ3GEYJ 223 V (22 k Ω)	
Q1 1590001140 S.TRANSISTOR UN0210(TX) R38 7030003600 S.RE Q2 1590001100 S.TRANSISTOR XP1210(TX) R39 7030003600 S.RE Q3 1590001100 S.TRANSISTOR XP1210(TX) R39 7030003600 S.RE Q4 1590001180 S.TRANSISTOR XP1210(TX) R39 7030003670 S.RE Q4 159000180 S.TRANSISTOR S2D216-S(TX) R40 7030003590 S.RE Q10 1590001860 S.TRANSISTOR UN8216(TX) 7030003690 S.RE Q11 1590001860 S.TRANSISTOR UN8216(TX) 7030003690 S.RE Q11 1590001200 S.DIODE MA111(TX) R41 7030003600 S.RE D5 179001220 S.DIODE MA111(TX) R43 7030003260 S.RE D6 179001220 S.DIODE MA111(TX) R44 7030003260 S.RE D7 175000220 S.DIODE MA111(TX) R44 7	[EUR], [ITA]	
Q2 154000350 S.TRANSISTOR XP1210(TX) R39 7030003560 S.RR Q4 1590001180 S.TRANSISTOR XP1210(TX) R39 703000360 S.RE Q4 1590001180 S.TRANSISTOR ZS216-S(TX) 703000370 S.RE Q6 151000080 S.TRANSISTOR ZS216-S(TX) R40 703000370 S.RE Q7 1540000350 S.TRANSISTOR ZS216-S(TX) R40 703000360 S.RE Q11 1590001860 S.TRANSISTOR UN9216(TX) 703000360 S.RE Q12 1540000350 S.TRANSISTOR UN9216(TX) R41 703000360 S.RE D1 1790001280 S.DIODE MA111(TX) R43 703000360 S.RE D7 175000220 S.DIODE MA111(TX) R44 703000320 S.RE D7 175000220 S.DIODE MA111(TX) R44 703000320 S.RE D1 175000220 S.DIODE DA112 [T42 USA], [EUR] R46 <t< td=""><td>ESISTOR ERJ3GEYJ 823 V (82 kΩ)</td></t<>	ESISTOR ERJ3GEYJ 823 V (82 kΩ)	
Q2 154000350 S.TRANSISTOR XP1210(TX) R39 7030003560 S.RR Q4 1590001180 S.TRANSISTOR XP1210(TX) R39 703000360 S.RE Q4 1590001180 S.TRANSISTOR ZS216-S(TX) 703000370 S.RE Q6 151000080 S.TRANSISTOR ZS216-S(TX) R40 703000370 S.RE Q7 1540000350 S.TRANSISTOR ZS216-S(TX) R40 703000360 S.RE Q11 1590001860 S.TRANSISTOR UN9216(TX) 703000360 S.RE Q12 1540000350 S.TRANSISTOR UN9216(TX) R41 703000360 S.RE D1 1790001280 S.DIODE MA111(TX) R43 703000360 S.RE D7 175000220 S.DIODE MA111(TX) R44 703000320 S.RE D7 175000220 S.DIODE MA111(TX) R44 703000320 S.RE D1 175000220 S.DIODE DA112 [T42 USA], [EUR] R46 <t< td=""><td>[USA], [AUS], [SEA]</td></t<>	[USA], [AUS], [SEA]	
Q3 1590001180 S.TRANSISTOR XP1210(TX) R39 7030003660 S.RE Q4 1590001180 S.TRANSISTOR XP1210(TX) 7030003670 S.RE Q5 1540000350 S.TRANSISTOR 2502216-S(TX) 7030003670 S.RE Q6 1500001860 S.TRANSISTOR 2502216-S(TX) R40 7030003690 S.RE Q10 1590001860 S.TRANSISTOR UN9216(TX) R41 7030003600 S.RE Q11 1590001140 S.TRANSISTOR UN9216(TX) R41 7030003600 S.RE Q11 1590001280 S.DIODE MA111(TX) R43 7030003600 S.RE D4 179001280 S.DIODE MA111(TX) R44 7030003720 S.RE D5 179001280 S.DIODE MA111(TX) R44 703000320 S.RE D6 179001280 S.DIODE MA111(TX) R44 703000320 S.RE D7 15000220 S.DIODE DA113W 1107 R44 703	ESISTOR ERJ3GEYJ 103 V (10 kΩ)	
Q4 159001180 S.TRANSISTOR XP1210[TX] 7030003670 S.RE Q6 1540000350 S.TRANSISTOR 2SD2216-S(TX) 7030003670 S.RE Q7 1540000350 S.TRANSISTOR 2SD2216-S(TX) R40 7030003670 S.RE Q1 159001860 S.TRANSISTOR UN9216(TX) 7030003600 S.RE Q11 1590001860 S.TRANSISTOR UN9216(TX) 7030003600 S.RE Q12 154000350 S.TRANSISTOR SD2216-S(TX) [EUR], [ITA] R41 7030003600 S.RE Q11 1790001280 S.DIODE MA111(TX) R43 7030003600 S.RE Q1 1790001280 S.DIODE MA111(TX) R44 7030003200 S.RE Q1 1790001280 S.DIODE DA113174 (AUS) R44 7030003320 S.RE Q11 16000050 S.DIODE DA112 (TA2 USA), [EUR] R44 7030003320 S.RE Q11 160000520 S.DIODE DA112 (TA2 USA), [EUR] R44 <td< td=""><td>[USA], [AUS], [SEA]</td></td<>	[USA], [AUS], [SEA]	
Q6 154000350 S.TRANSISTOR 2SD216-S(TX) 7030003670 S.RE Q7 154000380 S.TRANSISTOR 2SD31622-6-TR 7 7 7030003670 S.RE Q1 1590001860 S.TRANSISTOR US215(TX) R40 7030003600 S.RE Q11 1590001860 S.TRANSISTOR UN9215(TX) 7030003600 S.RE Q11 1590001140 S.TRANSISTOR UN9210(TX) R41 7030003600 S.RE Q11 1590001120 S.DIODE MA111(TX) R43 7030003600 S.RE D4 1790001280 S.DIODE MA111(TX) R44 7030003700 S.RE D6 1790001280 S.DIODE MA111(TX) R44 7030003700 S.RE D7 175000220 S.DIODE MA111(TX) R44 7030003700 S.RE D10 175000220 S.DIODE DA1394(LAS) R46 7030003202 S.RE D10 175000220 S.DIODE DA11394(LAS) FA4	ESISTOR ERJ3GEYJ 103 V (10 kΩ)	
O6 1510000800 S.TRANSISTOR 2SA1622-6-TR R40 7030003590 S.RE O9 159001680 S.TRANSISTOR UN9215(TX) 7030003600 S.RE C10 159001680 S.TRANSISTOR UN9215(TX) 7030003600 S.RE C11 159001140 S.TRANSISTOR UN9215(TX) 7030003600 S.RE C12 1540000350 S.TRANSISTOR US2216-S(TX) [EUR], [ITA] R41 7030003600 S.RE D4 179001280 S.DIODE MA111(TX) R43 7030003600 S.RE D5 179001280 S.DIODE MA111(TX) R44 703000320 S.RE D6 179001280 S.DIODE MA111(TX) T44 703000320 S.RE D750000220 S.DIODE DA113W [AUS] R44 703000320 S.RE T750000220 S.DIODE DA112 [TA], [AUS], [SEA] R46 7030003260 S.RE T750000220 S.DIODE DA112 [TA], [AUS], [SEA] R47 703000360 S.RE	[USA], [AUS], [SEA]	
07 1540000360 S.TRANSISTOR SD2216-S(TX) R40 7030003600 S.RE 01 1590001860 S.TRANSISTOR UN9215(TX) 7030003600 S.RE 011 1590001860 S.TRANSISTOR UN9215(TX) 7030003600 S.RE 012 154000140 S.TRANSISTOR UN9210(TX) R41 7030003600 S.RE 014 179001280 S.DIODE MA512(TX) R43 7030003600 S.RE 05 179001280 S.DIODE MA111(TX) R44 703000320 S.RE 05 1790001280 S.DIODE MA111(TX) R44 703000320 S.RE 07 1750000220 S.DIODE MA111(TX) R44 703000320 S.RE 010 1750000240 S.DIODE DA112 [T42 USA], [EUR] R46 703000320 S.RE 116 00500020 S.CERAMIC CR-505 SMD-494MHz R66 703000360 S.RE 11750000240 S.DIODE DA112 [T42 USA], [EUR] R44 703000	ESISTOR ERJ3GEYJ 823 V (82 kΩ)	
Og 159001660 S. TRANSISTOR UN9215(TX) 703003600 S. RE C11 159001160 S. TRANSISTOR UN9216(TX) 703003600 S. RE C12 154000150 S. TRANSISTOR UN9216(TX) R41 703003600 S. RE D1 179001280 S. DIODE MA111(TX) R43 703003600 S. RE D5 179001280 S. DIODE MA111(TX) R43 703003600 S. RE D7 175000220 S. DIODE MA111(TX) T030003600 S. RE D7 175000220 S. DIODE MA111(TX) R44 703000320 S. RE D9 116000050 S. DIODE DA113W [LQIS], [SEA] R44 703000320 S. RE T750000240 S.DIODE DA112 [ITA], [AUS], [SEA] R44 703000330 S. RE D10 175000240 S.DIODE DA112 [ITA], [AUS], [SEA] R46 7030003800 S. RE X1 605009020 S.DIODE DA112 [ITA], [AUS], [SEA] R47 7030	[EUR], [ITA]	
C10 159001680 S. TRANSISTOR UN9216(TX) 7030003600 S. R.R. C11 1590001140 S. TRANSISTOR UN9210(TX) R41 7030003600 S. R.R. C12 1540000350 S. TRANSISTOR UN9210(TX) R41 7030003600 S. R.R. D1 179001280 S. DIODE MA65121(TX) R43 7030003600 S. R.R. D5 179001280 S. DIODE MA111(TX) R44 7030003600 S.R.R. D6 179001280 S.DIODE MA111(TX) R44 703000320 S.R.R. D7 175000220 S.DIODE MA111(TX) R44 703000320 S.R.R. D10 175000240 S.DIODE DA112 [T42 USA], [EUR] R46 7030003300 S.R.R. X1 6050009300 S.XTAL CR-505 SMD-494MH/z R66 703000360 S.R.R. R1 7030003600 S.XTAL CR-505 SMD-494MH/z R66 703000360 S.R.R. R1 7030003600 S.RESISTOR	ESISTOR ERJ3GEYJ 183 V (18 kΩ)	
G11 1590001140 S.TRANSISTOR UN9210(TX) R41 7030003590 S.RE D1 1790001280 S.DIODE MA111(TX) R43 7030003600 S.RE D1 1790001280 S.DIODE MA111(TX) R43 7030003600 S.RE D5 1790001280 S.DIODE MA111(TX) R44 7030003600 S.RE D7 175000220 S.DIODE MA111(TX) R44 7030003200 S.RE D7 175000220 S.DIODE DA113W T107 R44 703000320 S.RE D9 116000050 S.DIODE DA1202U [T22 USA], [SEA] R46 703000320 S.RE D10 175000220 S.DIODE DA112 [TA1 USA], [SEA] R47 7030003300 S.RE X1 605009300 S.XTAL CR-505 SMD-494MHz R66 730000360 S.RE R2 7030003610 S.RESISTOR ERJ3GEYJ 105 V (1 MΩ) R75 741000750 S.AR R41 7030003610 S.RESISTOR	[USA], [AUS], [SEA]	
Q12 1540000350 S.TRANSISTOR 2SD2216-S(TX) [EUR], [ITA] R41 7030003590 S.RE D1 1790001280 S.DIODE MA111(TX) R43 7030003600 S.RE D4 1790001280 S.DIODE MA111(TX) R43 7030003600 S.RE D6 1790001280 S.DIODE MA111(TX) R43 7030003600 S.RE D7 1750000220 S.DIODE MA111(TX) R44 703000320 S.RE D9 1160000500 S.DIODE DA113W [AUS], [SEA] R44 703000320 S.RE 1750000240 S.DIODE DA112 [T42 USA], [EUR], [AUS], [SEA] R48 7030003310 S.RE D10 1750000240 S.DIODE DA112 [T42 USA], [EUR] R48 7030003610 S.RE X1 6050009300 S.XTAL CR-505 SMD-494MHz R66 7310002560 S.RE R2 7030003610 S.RESISTOR ERJ3GEYJ 105 V (1 MQ) R75 7410000730 S.AR R2 7030003600	ESISTOR ERJ3GEYJ 223 V (22 kΩ)	
D1 179001280 S.DIODE MA111(TX) R43 7030003600 S.RE D4 179001200 S.DIODE MA6S121(TX) R43 7030003600 S.RE D5 179001280 S.DIODE MA111(TX) [T42 only] 7030003600 S.RE D7 1750001280 S.DIODE MA111(TX) [T42 only] 7030003720 S.RE D7 175000220 S.DIODE DA113W T107 R44 703000320 S.RE D9 116000050 S.DIODE DA1202U [T22 USA], [SEA] R46 703000320 S.RE D10 175000220 S.DIODE DA112 [TA] LSA], [EUR] R48 7030003260 S.RE D10 175000240 S.DIODE DA112 [TA] LSA], [EUR] R48 7030003660 S.RE X1 6050009300 S.XTAL CR-505 SMD-494MHz R66 7030003660 S.RE R1 703003800 S.RESISTOR ERJ3GEYJ 105 V (1 MΩ) R75 7410000750 S.AR R2 7030003600 S		
D1 1790001280 S.DIODE MA111(TX) R43 7030003560 S.RE D5 1790001280 S.DIODE MA111(TX) T42 T030003600 S.RE D6 1790001280 S.DIODE MA111(TX) T42 T030003600 S.RE D7 175000220 S.DIODE MA111(TX) T42 T030003720 S.RE D9 1160000050 S.DIODE DA113W T107 R44 T03000320 S.RE T55000220 S.DIODE DA113W [AUS], [SEA] R46 T03000320 S.RE 1750000240 S.DIODE DA112 [T42 USA], [EUR] R48 T03000320 S.RE 1750000220 S.DIODE DA113W [USA] R60 T030003560 S.RE X2 605009300 S.XTAL CR-505 SMD-494MHz R66 7310002560 S.RE R1 7030003800 S.RESISTOR ERJ3GEYJ 105 V (1 MΩ) R75 7410000750 S.AR R2 7030003610 S.RESISTOR ERJ3GEYJ 105 V (1 MΩ) R75 74	ESISTOR ERJ3GEYJ 183 V (18 kΩ)	
D1 1790001280 S.DIODE MA111(TX) R43 7030003560 S.RE D5 1790001280 S.DIODE MA111(TX) T42 T030003560 S.RE D6 1790001280 S.DIODE MA111(TX) T42 T030003600 S.RE D7 175000220 S.DIODE MA111(TX) T42 T030003720 S.RE D9 1160000050 S.DIODE DA113W T107 R44 T03000320 S.RE T55000220 S.DIODE DA113W [AUS] R47 T03000320 S.RE 1750000220 S.DIODE DA112 [T42 USA], [EUR] R48 T03000320 S.RE 1750000220 S.DIODE DA113W [USA] R60 T030003560 S.RE 16 605009300 S.XTAL CR-505 SMD-494MHz R66 7310002560 S.RE X2 605009300 S.RESISTOR ERJ3GEYJ 105 V (1 MΩ) R75 7410000730 S.AR R1 7030003610 S.RESISTOR ERJ3GEYJ 105 V (1 MΩ) R77 7030003680	[USA], [AUS], [SEA]	
D4 1790001200 S.DIODE MA6S121(TX) R43 7030003660 S.RE D5 1790001280 S.DIODE MA111(TX) 7030003600 S.RE D7 1750000220 S.DIODE MA111(TX) R44 7030003720 S.RE D9 116000050 S.DIODE DA113W T107 R44 703000320 S.RE D9 116000050 S.DIODE DA113W [AUS] R47 703000320 S.RE 175000220 S.DIODE DA112 [T42 USA], [EUR] R47 7030003280 S.RE D10 175000220 S.DIODE DA112 [T42 USA], [EUR] R47 7030003280 S.RE R50 703000360 S.XTAL CR-505 SMD-494MHz R66 7310002560 S.RE X2 605009300 S.XTAL CR-505 SMD-494MHz R66 7310002580 S.RE R2 7030003600 S.RESISTOR ERJ3GEYJ 105 V (1 MΩ) R77 703003680 S.RE R41 7030003600 S.RESISTOR ERJ3GEYJ 273 V (27 KΩ)	ESISTOR ERJ3GEYJ 223 V (22 kΩ)	
D5 179001280 S.DIODE MA111(TX) 7030003600 S.RE D6 179001280 S.DIODE MA111(TX) [T42 only] 7030003600 S.RE D7 175000220 S.DIODE MA111(TX) [T42 only] R44 703000320 S.RE D9 116000050 S.DIODE DAP202U [T22 USA], [SEA] R46 703000320 S.RE 175000220 S.DIODE DA113W [AUS] R47 703000320 S.RE 175000240 S.DIODE DA112 [T42 USA], [EUR] R48 703000320 S.RE D10 175000240 S.DIODE DA112 [T42 USA], [EUR] R47 703000360 S.RE X1 605009300 S.XTAL CR-505 SMD-494MHz R66 7310002580 S.RE X2 605009300 S.RESISTOR ERJ3GEYJ 105 V (1 MΩ) R75 7410000750 S.AR R1 7030003610 S.RESISTOR ERJ3GEYJ 105 V (1 MΩ) R76 7410000730 S.AR R2 7030003640 S.RESISTOR ERJ3	[EUR], [ITA] ESISTOR ERJ3GEYJ 103 V (10 kΩ)	
D6 1790001280 S.DIODE MA111[TX] [T42 only] 7030003600 S.RE D7 1750000220 S.DIODE DA113W T107 R44 7030003700 S.RE D9 116000050 S.DIODE DA113W T107 R44 703000320 S.RE 1750000220 S.DIODE DA122U [T22 USA], [SEA] R46 703000320 S.RE 1750000240 S.DIODE DA112 [T42 USA], [EUR] R48 7030003320 S.RE D10 1750000240 S.DIODE DA112 [T42 USA], [EUR] R48 7030003360 S.RE T50000220 S.DIODE DA112 [T42 USA], [SEA] R49 703000360 S.RE T50000200 S.OIDE DA113W [USA] R65 703000360 S.RE X1 6050009020 S.CERAMIC EFO55 SMD-494MHz R66 7310002560 S.RE R1 703000360 S.RESISTOR ERJ3GEYJ 105 V (1 MΩ) R76 7410000750 S.AR R2 703000360 S.RESISTOR ERJ3GEYJ 105 V (1 MΩ) R77 7	· · ·	
D7 1750000220 S.DIODE DA113W T107 R44 7030003720 S.RE D9 1160000050 S.DIODE DA113W [AUS] [USA], [EUR], [AUS], [SEA] R44 703000320 S.RE D9 1160000050 S.DIODE DAP202U [T22 USA], [SEA] R46 7030003320 S.RE 1750000240 S.DIODE DA113W [AUS] R44 703000330 S.RE D10 1750000240 S.DIODE DA112 [T42 USA], [EUR] R48 703000330 S.RE X1 6050009300 S.XTAL CR-505 SMD-494MHz R65 703000360 S.RE X2 6050009020 S.CERAMIC EFOS4194E3 R69 703000360 S.RE R1 7030003600 S.RESISTOR ERJ3GEYJ 105 V (1 MΩ) R76 7410000750 S.AR R4 7030003600 S.RESISTOR ERJ3GEYJ 105 V (1 MΩ) R76 7410000730 S.AR R4 7030003600 S.RESISTOR ERJ3GEYJ 104 V (100 kΩ) R76 7410000730 S.AR R5	[USA], [AUS], [SEA] ESISTOR ERJ3GEYJ 223 V (22 kΩ)	
D8 1790001280 S.DIODE MA111(TX) [USA], [EUR], [AUS], [SEA] R44 7030003720 S.RE D9 116000050 S.DIODE DAP202U [T22 USA], [SEA] R46 703000320 S.RE 1750000240 S.DIODE DA113W [AUS] R47 703000320 S.RE D10 1750000240 S.DIODE DA112 [T42 USA], [EUR] R48 703000320 S.RE T750000220 S.DIODE DA112 [T42 USA], [AUS], [SEA] R49 703000320 S.RE T750000220 S.DIODE DA112 [T41, [AUS], [SEA] R44 703000320 S.RE X1 6050009300 S.XTAL CR-505 SMD-494MHz R66 703000360 S.RE X2 6050009020 S.CERAMIC EFOS4194E3 R69 703000360 S.RE R1 7030003800 S.RESISTOR ERJ3GEYJ 273 V (27 kΩ) R76 7410000750 S.AR R4 7030003600 S.RESISTOR ERJ3GEYJ 105 V (1 MΩ) R78 7410000730 S.AR R4 7030003610 S.RESIS	[EUR], (ITA]	
USA], [EUR], [AUS], [SEA] R46 703000320 S. RE D9 116000050 S. DIODE DAP202U [T22 USA], [SEA] R46 703000320 S. RE 1750000220 S. DIODE DA112 [T42 USA], [EUR] R48 703000320 S. RE D10 1750000240 S. DIODE DA112 [T42 USA], [EUR] R48 703000380 S. RE D10 1750000220 S.DIODE DA112 [T4], [AUS], [SEA] R49 7030003800 S. RE X1 6050009020 S.XTAL CR-505 SMD-494MHz R66 703000360 S. RE X2 6050009020 S.RESISTOR ERJ3GEYJ 105 V (1 MΩ) R75 7410000750 S.AR R1 7030003610 S.RESISTOR ERJ3GEYJ 104 V (100 Ω) R76 7410000730 S.AR R4 7030003610 S.RESISTOR ERJ3GEYJ 103 V (1 MΩ) R76 7410000730 S.AR R5 7410000820 S.ARRAY EXD-V4V 223V (22 KΩ) R79 7410000730 S.AR R6 7030003610 S.RESISTOR <t< td=""><td>ESISTOR ERJ3GEYJ 224 V (220 kΩ)</td></t<>	ESISTOR ERJ3GEYJ 224 V (220 k Ω)	
D9 116000050 S.DIODE DAP202U [T22 USA], [SEA] R46 703000320 S.RE 1750000220 S.DIODE DA113W [AUS] R47 703000320 S.RE 1750000240 S.DIODE DA112 [T42 USA], [EUR] R47 7030003300 S.RE D10 1750000240 S.DIODE DA112 [TA1, [AUS], [SEA] R49 7030003300 S.RE 1750000220 S.DIODE DA112 [TA1, [AUS], [SEA] R49 703000360 S.RE 1750000220 S.DIODE DA113W [USA] R50 703000360 S.RE X2 6050099020 S.CERAMIC EFOS4194E3 R66 7310002580 S.RE R1 7030003600 S.RESISTOR ERJ3GEYJ 105 V (1 MΩ) R75 7410000730 S.AR R2 7030003600 S.RESISTOR ERJ3GEYJ 105 V (1 MΩ) R76 7410000730 S.AR R3 7030003600 S.RESISTOR ERJ3GEYJ 104 V (100 KΩ) R77 7030003680 S.RE R4 7030003600 S.RESISTOR ERJ3GEYJ 183 V ([EUR], [ITA]	
175000220 S.DIODE DA113W [AUS] R47 7030003320 S.RE D10 175000240 S.DIODE DA112 [T42 USA], [EUR] R48 7030003320 S.RE D10 175000240 S.DIODE DA112 [T42, IAUS], [SEA] R49 7030003800 S.RE X1 6050009300 S.XTAL CR-505 SMD-494MHz R66 7310002580 S.RE X2 6050009020 S.CERAMIC EFOS4194E3 R69 7030003600 S.RE R1 7030003600 S.RESISTOR ERJ3GEYJ 105 V (1 MΩ) R76 7410000750 S.AR R2 7030003600 S.RESISTOR ERJ3GEYJ 105 V (1 MΩ) R76 7410000730 S.AR R3 7030003600 S.RESISTOR ERJ3GEYJ 104 V (100 kΩ) R76 7410000730 S.AR R4 7030003600 S.RESISTOR ERJ3GEYJ 104 V (100 kΩ) R77 7030003680 S.RE R4 7030003600 S.RESISTOR ERJ3GEYJ 103 V (18 kΩ) R80 7410000730 S.AR R4 70	ESISTOR ERJ3GEYJ 101 V (100 Ω)	
175000240 S.DIODE DA112 [T42 USA], [EUR] R48 7030003280 S.RE D10 175000240 S.DIODE DA112 [TA], [AUS], [SEA] R49 703000360 S.RE 175000220 S.DIODE DA113 W [USA] R50 703000360 S.RE X1 6050009300 S.XTAL CR-505 SMD-494MHz R66 703000360 S.RE X2 6050009020 S.CERAMIC EFOS4194E3 R69 703000360 S.RE R1 7030003600 S.RESISTOR ERJ3GEYJ 105 V (1 MΩ) R75 7410000750 S.AR R2 7030003600 S.RESISTOR ERJ3GEYJ 273 V (27 kΩ) R76 7410000730 S.AR R4 7030003600 S.RESISTOR ERJ3GEYJ 474 V (470 kΩ) R78 7410000730 S.AR R4 7030003600 S.RESISTOR ERJ3GEYJ 473 V (47 kΩ) R78 7410000730 S.AR R4 7030003600 S.RESISTOR ERJ3GEYJ 473 V (47 kΩ) R81 7030003680 S.RESISTOR R4 7030003640	ESISTOR ERJ3GEYJ 101 V (100 Ω)	
D10 1750000240 S.DIODE DA112 [ITA], [AUS], [SEA] R49 7030003310 S.RE X1 605000920 S.DIODE DA113W [USA] R65 7030003660 S.RE X1 605000920 S.ZTAL CR-505 SMD-494MHz R66 730003560 S.RE X2 605000920 S.CERAMIC EFOS4194E3 R69 7030003410 S.RE R1 7030003600 S.RESISTOR ERJ3GEYJ 105 V (1 MΩ) R77 7410000750 S.AR R2 7030003600 S.RESISTOR ERJ3GEYJ 273 V (27 kΩ) R76 7410000730 S.AR R4 7030003600 S.RESISTOR ERJ3GEYJ 474 V (100 kΩ) R77 7030003680 S.RE R4 7030003600 S.RESISTOR ERJ3GEYJ 474 V (470 kΩ) R78 7410000730 S.AR R4 7030003640 S.RESISTOR ERJ3GEYJ 143 V (18 kΩ) R80 7410000730 S.AR R5 7030003640 S.RESISTOR ERJ3GEYJ 143 V (47 kΩ) R81 7030003680 S.RESI <	ESISTOR ERJ3GEYJ 470 V (47 Ω)	
1750000220 S.DIODE DA113W [USA] R50 7030003680 S.RE X1 6050009300 S.XTAL CR-505 SMD-494MHz R66 7030003560 S.RE X2 6050009020 S.CERAMIC EFOS4194E3 R69 7030003560 S.RE R1 7030003800 S.RESISTOR ERJ3GEYJ 105 V (1 MΩ) R75 7410000750 S.AR R2 7030003600 S.RESISTOR ERJ3GEYJ 105 V (1 MΩ) R77 703000360 S.RE R3 7030003600 S.RESISTOR ERJ3GEYJ 105 V (1 MΩ) R77 7410000750 S.AR R4 7030003600 S.RESISTOR ERJ3GEYJ 474 V (470 kΩ) R78 7410000730 S.AR R4 7030003640 S.RESISTOR ERJ3GEYJ 473 V (47 kΩ) R80 7410000730 S.AR R6 7030003640 S.RESISTOR ERJ3GEYJ 473 V (47 kΩ) R81 7030003680 S.RE3 R1 7030003640 S.RESISTOR ERJ3GEYJ 473 V (47 kΩ) R86 7030003680 S.RE3 R10 <	ESISTOR ERJ3GEYJ 820 V (82 Ω)	
X1 6050009300 S.XTAL CR-505 SMD-494MHz R65 7030003660 S.RE X2 6050009020 S.CERAMIC EFOS4194E3 R66 7310002580 S.RE R1 7030003800 S.RESISTOR ERJ3GEYJ 105 V (1 MΩ) R72 7030003600 S.RE R2 7030003800 S.RESISTOR ERJ3GEYJ 273 V (27 KΩ) R76 7410000750 S.AR R3 7030003600 S.RESISTOR ERJ3GEYJ 474 V (470 KΩ) R76 7410000730 S.AR R4 7030003600 S.RESISTOR ERJ3GEYJ 104 V (100 KΩ) R77 7030003600 S.RE R4 7030003600 S.RESISTOR ERJ3GEYJ 473 V (27 KΩ) R78 7410000730 S.AR R5 7410000820 S.ARRAY EXB-V4V 223JV (22 kΩ) R79 7410000730 S.AR R7 7030003640 S.RESISTOR ERJ3GEYJ 473 V (47 KΩ) R81 7030003680 S.RE R7 7030003660 S.RESISTOR ERJ3GEYJ 473 V (47 KΩ) R82 7030003680 S.RE	ESISTOR ERJ3GEYJ 104 V (100 kΩ)	
X1 6050009300 S.XTAL CR-505 SMD-494MHz R65 7030003600 S.RE X2 6050009020 S.CERAMIC EFOS4194E3 R66 7310002580 S.RE R1 7030003800 S.RESISTOR ERJ3GEYJ 105 V (1 MΩ) R72 703000360 S.RE R2 7030003610 S.RESISTOR ERJ3GEYJ 273 V (27 kΩ) R76 7410000750 S.AR R3 7030003680 S.RESISTOR ERJ3GEYJ 474 V (470 kΩ) R77 7030003880 S.RE R4 7030003690 S.RESISTOR ERJ3GEYJ 474 V (470 kΩ) R77 7410000730 S.AR R5 7410000820 S.ARRAY EXB-V4V 223JV (22 kΩ) R79 7410000730 S.AR R6 7030003640 S.RESISTOR ERJ3GEYJ 473 V (47 kΩ) R81 7030003680 S.RE R7 7030003640 S.RESISTOR ERJ3GEYJ 473 V (47 kΩ) R81 7030003680 S.RE R10 7030003640 S.RESISTOR ERJ3GEYJ 473 V (47 kΩ) R82 7030003680 S.RE	ESISTOR ERJ3GEYJ 103 V (10 kΩ)	
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	ESISTOR ERJ3GEYJ 103 V (10 kΩ)	
X2 6050009020 S.CERAMIC EFOS4194E3 R69 7030003410 S.RE R1 7030003800 S.RESISTOR ERJ3GEYJ 105 V (1 MΩ) R75 7410000750 S.AR R2 7030003800 S.RESISTOR ERJ3GEYJ 105 V (1 MΩ) R75 7410000750 S.AR R3 7030003600 S.RESISTOR ERJ3GEYJ 104 V (100 kΩ) R76 7410000730 S.AR R4 7030003600 S.RESISTOR ERJ3GEYJ 104 V (100 kΩ) R77 7030003680 S.RES R4 7030003600 S.RESISTOR ERJ3GEYJ 104 V (100 kΩ) R78 7410000730 S.AR R5 7410000820 S.ARRAY EXB-V4V 223JV (22 kΩ) R79 7410000730 S.AR R6 7030003640 S.RESISTOR ERJ3GEYJ 133 V (18 kΩ) R80 741000730 S.AR R7 7030003640 S.RESISTOR ERJ3GEYJ 273 V (27 kΩ) R81 7030003680 S.RES R10 7030003660 S.RESISTOR ERJ3GEYJ 73 V (47 kΩ) R81 7030003680 S.RES <td>RIMMER RV-108 (RH03A3A15X05A)104</td>	RIMMER RV-108 (RH03A3A15X05A)104	
R1 7030003800 S.RESISTOR ERJ3GEYJ 105 V (1 MΩ) R72 703000750 S.RE R2 7030003610 S.RESISTOR ERJ3GEYJ 273 V (27 kΩ) R76 7410000750 S.AR R3 7030003600 S.RESISTOR ERJ3GEYJ 273 V (27 kΩ) R76 7410000730 S.AR R4 7030003600 S.RESISTOR ERJ3GEYJ 104 V (100 kΩ) R77 7030003680 S.RE R4 7030003590 S.RESISTOR ERJ3GEYJ 474 V (470 kΩ) R78 7410000730 S.AR R6 7030003640 S.RESISTOR ERJ3GEYJ 473 V (27 kΩ) R79 7410000730 S.AR R7 7030003640 S.RESISTOR ERJ3GEYJ 183 V (18 kΩ) R80 7410000730 S.AR R8 7030003640 S.RESISTOR ERJ3GEYJ 183 V (17 kΩ) R81 7030003680 S.RESI R9 7030003640 S.RESISTOR ERJ3GEYJ 104 V (100 kΩ) R86 7030003680 S.RESI R11 7030003640 S.RESISTOR ERJ3GEYJ 163 V (47 kΩ) R87 7030003680 <	ESISTOR ERJ3GEYJ 561 V (560 Ω)	
R17030003800S.RESISTORERJ3GEYJ 105 V (1 MΩ)R757410000750S.ARR27030003610S.RESISTORERJ3GEYJ 273 V (27 kΩ)R767410000730S.ARR37030003680S.RESISTORERJ3GEYJ 104 V (100 kΩ)R777030003680S.RESR47030003760S.RESISTORERJ3GEYJ 474 V (470 kΩ)R787410000730S.ARR5741000820S.ARRAYEXB-V4V 223JV (22 kΩ)R797410000730S.ARR67030003640S.RESISTORERJ3GEYJ 473 V (47 kΩ)R807410000730S.ARR77030003640S.RESISTORERJ3GEYJ 73 V (27 kΩ)R817030003680S.RESR87030003640S.RESISTORERJ3GEYJ 104 V (100 kΩ)R867030003680S.RESR97030003660S.RESISTORERJ3GEYJ 473 V (47 kΩ)R877030003680S.RESR107030003640S.RESISTORERJ3GEYJ 473 V (47 kΩ)R877030003680S.RESR117030003640S.RESISTORERJ3GEYJ 473 V (47 kΩ)R887030003680S.RESR127030003640S.RESISTORERJ3GEYJ 473 V (47 kΩ)R1047030003440S.RESR147030003680S.RESISTORERJ3GEYJ 152 V (15 kΩ)R1077030003440S.RESR147030003640S.RESISTORERJ3GEYJ 152 V (15 kΩ)R1077030003440S.RESR16703000340S.RESISTORERJ3GEYJ 152 V (15 kΩ)R1077030003440S.RESR16703000	ESISTOR ERJ3GEYJ 103 V (10 kΩ)	
R27030003610S.RESISTORERJ3GEYJ 273 V (27 kΩ)R767410000730S.ARR37030003680S.RESISTORERJ3GEYJ 104 V (100 kΩ)R777030003680S.RESR47030003760S.RESISTORERJ3GEYJ 474 V (470 kΩ)R787410000730S.ARR5741000820S.ARRAYEXB-V4V 223JV (22 kΩ)R797410000730S.ARR67030003640S.RESISTORERJ3GEYJ 473 V (47 kΩ)R807410000730S.ARR77030003640S.RESISTORERJ3GEYJ 473 V (47 kΩ)R817030003520S.RESR87030003640S.RESISTORERJ3GEYJ 273 V (27 kΩ)R827030003680S.RESR97030003660S.RESISTORERJ3GEYJ 473 V (47 kΩ)R867030003680S.RESR107030003660S.RESISTORERJ3GEYJ 473 V (47 kΩ)R877030003680S.RESR117030003640S.RESISTORERJ3GEYJ 473 V (47 kΩ)R877030003680S.RESR127030003640S.RESISTORERJ3GEYJ 473 V (47 kΩ)R887030003680S.RESR147030003640S.RESISTORERJ3GEYJ 162 V (17 kΩ)R1027030003440S.RESR147030003640S.RESISTORERJ3GEYJ 161 V (150Ω)R1077030003440S.RESR147030003640S.RESISTORERJ3GEYJ 161 V (150Ω)R1077030003440S.RESR157030003640S.RESISTORERJ3GEYJ 162 V (1.5 kΩ)R1077030003440S.RESR16703	RRAY EXB-V4V 104JV (100 kΩ)	
R3 7030003680 S.RESISTOR ERJ3GEYJ 104 V (100 kΩ) R77 7030003680 S.RE R4 7030003760 S.RESISTOR ERJ3GEYJ 474 V (470 kΩ) R78 7410000730 S.ARI R5 7410000820 S.ARRAY EXB-V4V 223JV (22 kΩ) R79 7410000730 S.ARI R6 7030003690 S.RESISTOR ERJ3GEYJ 183 V (18 kΩ) R80 7410000730 S.ARI R7 7030003640 S.RESISTOR ERJ3GEYJ 73 V (47 kΩ) R81 7030003680 S.RESI R8 7030003660 S.RESISTOR ERJ3GEYJ 683 V (68 kΩ) R86 7030003680 S.RESI R10 7030003640 S.RESISTOR ERJ3GEYJ 473 V (47 kΩ) R88 7030003680 S.RESI R11 7030003640 S.RESISTOR ERJ3GEYJ 473 V (47 kΩ) R88 7030003680 S.RESI R11 7030003640 S.RESISTOR ERJ3GEYJ 473 V (47 kΩ) R88 7030003680 S.RESI R14 7030003640 S.RESISTOR ERJ3GEYJ 172 V (17 kΩ) R104 7030003440	RRAY EXB-V4V 104JV (100 kΩ)	
R4 7030003760 S.RESISTOR ERJ3GEYJ 474 V (470 kΩ) R78 7410000730 S.ARI R5 7410000820 S.ARRAY EXB-V4V 223JV (22 kΩ) R79 7410000730 S.ARI R6 7030003590 S.RESISTOR ERJ3GEYJ 183 V (18 kΩ) R80 7410000730 S.ARI R7 7030003640 S.RESISTOR ERJ3GEYJ 73 V (47 kΩ) R81 7030003520 S.RESI R8 7030003640 S.RESISTOR ERJ3GEYJ 73 V (47 kΩ) R82 7030003680 S.RESI R9 7030003660 S.RESISTOR ERJ3GEYJ 683 V (68 kΩ) R87 7030003680 S.RESI R11 7030003640 S.RESISTOR ERJ3GEYJ 473 V (47 kΩ) R88 7030003680 S.RESI R12 7030003640 S.RESISTOR ERJ3GEYJ 473 V (47 kΩ) R88 7030003680 S.RESI R14 7030003640 S.RESISTOR ERJ3GEYJ 473 V (47 kΩ) R104 7030003440 S.RESI R15 7030003640 S.RESISTOR ERJ3GEYJ 104 V (100 kΩ) R105 7030003440 <td>RRAY EXB-V8V 104JV (100 kΩ)</td>	RRAY EXB-V8V 104JV (100 kΩ)	
R57410000820S.ARRAYEXB-V4V 223JV (22 kΩ)R79741000730S.ARIR67030003590S.RESISTORERJ3GEYJ 183 V (18 kΩ)R80741000730S.ARIR77030003640S.RESISTORERJ3GEYJ 473 V (47 kΩ)R817030003520S.RESIR87030003610S.RESISTORERJ3GEYJ 273 V (27 kΩ)R827030003680S.RESIR97030003660S.RESISTORERJ3GEYJ 104 V (100 kΩ)R867030003680S.RESIR107030003660S.RESISTORERJ3GEYJ 683 V (68 kΩ)R877030003680S.RESIR117030003640S.RESISTORERJ3GEYJ 473 V (47 kΩ)R887030003680S.RESIR127030003640S.RESISTORERJ3GEYJ 473 V (47 kΩ)R887030003400S.RESIR137030003640S.RESISTORERJ3GEYJ 473 V (47 kΩ)R1027030003440S.RESIR147030003680S.RESISTORERJ3GEYJ 104 V (100 kΩ)R1047030003440S.RESIR157030003640S.RESISTORERJ3GEYJ 104 V (100 kΩ)R1057030003440S.RESIR167030003400S.RESISTORERJ3GEYJ 152 V (15 kΩ)R1077030003440S.RESIR177030003460S.RESISTORERJ3GEYJ 152 V (1.5 kΩ)R1077030003440S.RESIR187030003460S.RESISTORERJ3GEYJ 152 V (1.5 kΩ)R1317030003580S.RESIR187030003460S.RESISTORERJ3GEYJ 152 V (1.5 kΩ)R1317030003580S.RESI </td <td>ESISTOR ERJ3GEYJ 104 V (100 kΩ)</td>	ESISTOR ERJ3GEYJ 104 V (100 kΩ)	
R6 7030003590 S.RESISTOR ERJ3GEYJ 183 V (18 kΩ) R80 7410000730 S.ARI R7 7030003640 S.RESISTOR ERJ3GEYJ 473 V (47 kΩ) R81 7030003520 S.RES R8 7030003610 S.RESISTOR ERJ3GEYJ 273 V (27 kΩ) R82 7030003680 S.RES R9 7030003660 S.RESISTOR ERJ3GEYJ 104 V (100 kΩ) R86 7030003680 S.RES R10 7030003660 S.RESISTOR ERJ3GEYJ 683 V (68 kΩ) R87 7030003680 S.RES R11 7030003640 S.RESISTOR ERJ3GEYJ 473 V (47 kΩ) R88 7030003680 S.RES R12 7030003640 S.RESISTOR ERJ3GEYJ 473 V (47 kΩ) R88 7030003440 S.RES R13 7030003640 S.RESISTOR ERJ3GEYJ 104 V (100 kΩ) R104 7030003440 S.RES R14 7030003640 S.RESISTOR ERJ3GEYJ 104 V (100 kΩ) R105 7030003440 S.RES R15 7030003460 S.RESISTOR ERJ3GEYJ 152 V (100 kΩ) R107 703000344	RRAY EXB-V8V 104JV (100 kΩ)	
R7 7030003640 S.RESISTOR ERJ3GEYJ 473 V (47 kΩ) R81 7030003520 S.RESISTOR R8 7030003610 S.RESISTOR ERJ3GEYJ 273 V (27 kΩ) R82 7030003680 S.RESISTOR R9 7030003660 S.RESISTOR ERJ3GEYJ 104 V (100 kΩ) R86 7030003680 S.RESISTOR R10 7030003660 S.RESISTOR ERJ3GEYJ 683 V (68 kΩ) R87 7030003680 S.RESISTOR R11 7030003640 S.RESISTOR ERJ3GEYJ 473 V (47 kΩ) R88 7030003680 S.RESISTOR R12 7030003640 S.RESISTOR ERJ3GEYJ 473 V (47 kΩ) R68 7030003400 S.RESISTOR R13 7030003640 S.RESISTOR ERJ3GEYJ 473 V (47 kΩ) R102 7030003440 S.RESISTOR R14 7030005690 S.RESISTOR RR0816P-123-D (12 kΩ) R104 7030003440 S.RESISTOR R15 7030003460 S.RESISTOR ERJ3GEYJ 104 V (100 kΩ) R105 7030003440 S.RESISTOR R16 7030003460 S.RESISTOR ERJ3GEYJ 151 V (105 kΩ) <td>RRAY EXB-V8V 104JV (100 kΩ)</td>	RRAY EXB-V8V 104JV (100 kΩ)	
R8 7030003610 S.RESISTOR ERJ3GEYJ 273 V (27 kΩ) R82 7030003680 S.RESISTOR R9 7030003680 S.RESISTOR ERJ3GEYJ 104 V (100 kΩ) R86 7030003680 S.RESISTOR R10 7030003660 S.RESISTOR ERJ3GEYJ 683 V (68 kΩ) R87 7030003680 S.RESISTOR R11 7030003640 S.RESISTOR ERJ3GEYJ 473 V (47 kΩ) R88 7030003680 S.RESISTOR R12 7030003640 S.RESISTOR ERJ3GEYJ 473 V (47 kΩ) R88 7030003680 S.RESISTOR R13 7030005680 S.RESISTOR ERJ3GEYJ 473 V (47 kΩ) R102 7030003440 S.RESISTOR R14 7030005690 S.RESISTOR RR0816R-473-D (12 kΩ) R104 7030003440 S.RESISTOR R15 703000360 S.RESISTOR ERJ3GEYJ 104 V (100 kΩ) R105 7030003440 S.RESISTOR R16 7030003400 S.RESISTOR ERJ3GEYJ 151 V (100 kΩ) R107 7030003440 S.RESISTOR R17 7030003460 S.RESISTOR ERJ3GEYJ 152 V (1.5 kΩ) </td <td>RRAY EXB-V8V 104JV (100 kΩ)</td>	RRAY EXB-V8V 104JV (100 kΩ)	
R9 7030003680 S.RESISTOR ERJ3GEYJ 104 V (100 kΩ) R86 7030003680 S.RESISTOR R10 7030003660 S.RESISTOR ERJ3GEYJ 683 V (68 kΩ) R87 7030003680 S.RESISTOR R11 7030003640 S.RESISTOR ERJ3GEYJ 683 V (68 kΩ) R87 7030003680 S.RESISTOR R12 7030003640 S.RESISTOR ERJ3GEYJ 473 V (47 kΩ) R88 7030003680 S.RESISTOR R13 7030005680 S.RESISTOR ERJ3GEYJ 473 V (47 kΩ) R102 7030003440 S.RESISTOR R14 7030005690 S.RESISTOR RR0816P-123-D (12 kΩ) R104 7030003440 S.RESISTOR R15 7030003680 S.RESISTOR ERJ3GEYJ 104 V (100 kΩ) R105 7030003440 S.RESISTOR R16 703000340 S.RESISTOR ERJ3GEYJ 151 V (100 kΩ) R107 7030003440 S.RESISTOR R17 7030003460 S.RESISTOR ERJ3GEYJ 152 V (1.5 kΩ) R109 7030003440 S.RESISTOR R19 7030003460 S.RESISTOR ERJ3GEYJ 152 V (1.5 kΩ	ESISTOR ERJ3GEYJ 472 V (4.7 kΩ)	
R10 7030003660 S.RESISTOR ERJ3GEYJ 683 V (68 kΩ) R87 7030003680 S.RESISTOR R11 7030003640 S.RESISTOR ERJ3GEYJ 473 V (47 kΩ) R88 7030003680 S.RESISTOR R12 7030003640 S.RESISTOR ERJ3GEYJ 473 V (47 kΩ) R88 7030003680 S.RESISTOR R13 7030005680 S.RESISTOR ERJ3GEYJ 473 V (47 kΩ) R102 7030003440 S.RESISTOR R14 7030005690 S.RESISTOR RR0816R-473-D (47 kΩ) R104 7030003440 S.RESISTOR R15 7030003680 S.RESISTOR ERJ3GEYJ 104 V (100 kΩ) R105 7030003440 S.RESISTOR R16 7030003400 S.RESISTOR ERJ3GEYJ 151 V (100 Ω) R107 7030003440 S.RESISTOR R17 7030003460 S.RESISTOR ERJ3GEYJ 152 V (1.5 kΩ) R109 7030003440 S.RESISTOR R18 7030003460 S.RESISTOR ERJ3GEYJ 152 V (1.5 kΩ) R131 7030003580 S.RESISTOR R20 7030003500 S.RESISTOR ERJ3GEYJ 152 V (1.5	ESISTOR ERJ3GEYJ 104 V (100 kΩ)	
R11 7030003640 S.RESISTOR ERJ3GEYJ 473 V (47 kΩ) R88 7030003680 S.RESI R12 7030003640 S.RESISTOR ERJ3GEYJ 473 V (47 kΩ) R102 7030003680 S.RESI R13 7030005680 S.RESISTOR ERJ3GEYJ 473 V (47 kΩ) R102 7030003440 S.RESI R14 7030005690 S.RESISTOR RR0816P-123-D (12 kΩ) R104 7030003440 S.RESI R15 7030003680 S.RESISTOR ERJ3GEYJ 104 V (100 kΩ) R105 7030003440 S.RESI R16 7030003460 S.RESISTOR ERJ3GEYJ 151 V (150Ω) R107 7030003440 S.RESI R17 7030003460 S.RESISTOR ERJ3GEYJ 152 V (1.5 kΩ) R109 7030003440 S.RESI R18 7030003460 S.RESISTOR ERJ3GEYJ 152 V (1.5 kΩ) R131 7030003700 S.RESI R19 7030003460 S.RESISTOR ERJ3GEYJ 562 V (5.6 kΩ) R132 7030003580 S.RESI R20 7030003530 S.RESISTOR ERJ3GEYJ 562 V (5.6 kΩ) R132	ESISTOR ERJ3GEYJ 104 V (100 kΩ)	
R12 7030003640 S.RESISTOR ERJ3GEYJ 473 V (47 kΩ) R102 7030003400 S.RESISTOR R13 7030005680 S.RESISTOR RR0816R-473-D (47 kΩ) R102 7030003440 S.RESISTOR R14 7030005690 S.RESISTOR RR0816P-123-D (12 kΩ) R104 7030003440 S.RESISTOR R15 7030003680 S.RESISTOR ERJ3GEYJ 104 V (100 kΩ) R105 7030003440 S.RESISTOR R16 7030003400 S.RESISTOR ERJ3GEYJ 151 V (150Ω) R107 7030003440 S.RESISTOR R17 7030003460 S.RESISTOR ERJ3GEYJ 152 V (1.5 kΩ) R109 7030003440 S.RESISTOR R18 7030003460 S.RESISTOR ERJ3GEYJ 152 V (1.5 kΩ) R131 7030003700 S.RESISTOR R19 7030003460 S.RESISTOR ERJ3GEYJ 152 V (1.5 kΩ) R131 7030003700 S.RESISTOR R20 7030003530 S.RESISTOR ERJ3GEYJ 562 V (5.6 kΩ) R132 7030003580 S.RESISTOR R21 7030003440 S.RESISTOR ERJ3GEYJ 102 V (1	ESISTOR ERJ3GEYJ 104 V (100 kΩ)	
R13 7030005680 S.RESISTOR RR0816R-473-D (47 kΩ) R102 7030003400 S.RESISTOR R14 7030005690 S.RESISTOR RR0816P-123-D (12 kΩ) R104 7030003400 S.RESISTOR R15 7030003680 S.RESISTOR ERJ3GEYJ 104 V (100 kΩ) R105 7030003440 S.RESISTOR R16 7030003340 S.RESISTOR ERJ3GEYJ 151 V (150Ω) R107 7030003440 S.RESISTOR R17 7030003460 S.RESISTOR ERJ3GEYJ 152 V (1.5 kΩ) R109 7030003440 S.RESISTOR R18 7030003460 S.RESISTOR ERJ3GEYJ 152 V (1.5 kΩ) R131 7030003440 S.RESISTOR R19 7030003460 S.RESISTOR ERJ3GEYJ 152 V (1.5 kΩ) R131 7030003700 S.RESISTOR R20 7030003530 S.RESISTOR ERJ3GEYJ 562 V (5.6 kΩ) R132 7030003580 S.RESISTOR R21 7030003440 S.RESISTOR ERJ3GEYJ 102 V (1 kΩ) R133 7030003580 S.RESISTOR R22 7030003580 S.RESISTOR ERJ3GEYJ 102 V (1	ESISTOR ERJ3GEYJ 104 V (100 kΩ)	
R14 7030005690 S.RESISTOR RR0816P-123-D (12 kΩ) R104 7030003440 S.RES R15 7030003680 S.RESISTOR ERJ3GEYJ 104 V (100 kΩ) R105 7030003440 S.RES R16 7030003340 S.RESISTOR ERJ3GEYJ 104 V (100 kΩ) R105 7030003440 S.RES R17 7030003460 S.RESISTOR ERJ3GEYJ 151 V (150Ω) R107 7030003440 S.RES R17 7030003460 S.RESISTOR ERJ3GEYJ 152 V (1.5 kΩ) R109 7030003440 S.RES R18 7030003460 S.RESISTOR ERJ3GEYJ 152 V (1.5 kΩ) R131 7030003700 S.RES R19 7030003460 S.RESISTOR ERJ3GEYJ 152 V (1.5 kΩ) R131 7030003700 S.RES R20 7030003530 S.RESISTOR ERJ3GEYJ 562 V (5.6 kΩ) R132 7030003580 S.RES R21 7030003440 S.RESISTOR ERJ3GEYJ 102 V (1 kΩ) R133 7030003670 S.RES R22 7030003580 S.RESISTOR ERJ3GEYJ 153 V (15 kΩ) R133 <td< td=""><td></td></td<>		
R15 7030003680 S.RESISTOR ERJ3GEYJ 104 V V R105 7030003400 S.RES R16 7030003340 S.RESISTOR ERJ3GEYJ 104 V (100 kΩ) R105 7030003440 S.RES R17 7030003460 S.RESISTOR ERJ3GEYJ 151 V (150Ω) R107 7030003440 S.RES R18 7030003460 S.RESISTOR ERJ3GEYJ 152 V (1.5 kΩ) R109 7030003440 S.RES R18 7030003460 S.RESISTOR ERJ3GEYJ 182 V (1.8 kΩ) R131 7030003700 S.RES R19 7030003460 S.RESISTOR ERJ3GEYJ 152 V (1.5 kΩ) R131 7030003700 S.RES R20 7030003530 S.RESISTOR ERJ3GEYJ 562 V (5.6 kΩ) R132 7030003580 S.RES R21 7030003440 S.RESISTOR ERJ3GEYJ 102 V (1 kΩ) R133 7030003670 S.RES R22 7030003580 S.RESISTOR ERJ3	ESISTOR ERJ3GEYJ 102 V (1 kΩ)[EUR]	
R16 7030003340 S.RESISTOR ERJ3GEYJ 151 V (150Ω) R107 7030003440 S.RES R17 7030003460 S.RESISTOR ERJ3GEYJ 152 V (1.5 kΩ) R109 7030003440 S.RES R18 7030003470 S.RESISTOR ERJ3GEYJ 152 V (1.5 kΩ) R131 7030003440 S.RES R19 7030003460 S.RESISTOR ERJ3GEYJ 152 V (1.5 kΩ) R131 7030003700 S.RES R19 7030003530 S.RESISTOR ERJ3GEYJ 152 V (1.5 kΩ) R132 7030003580 S.RES R21 7030003440 S.RESISTOR ERJ3GEYJ 152 V (1 kΩ) R132 7030003580 S.RES R22 7030003580 S.RESISTOR ERJ3GEYJ 102 V (1 kΩ) R133 7030003670 S.RES	ESISTOR ERJ3GEYJ 102 V (1 kΩ)[ITA]	
R17 7030003460 S.RESISTOR ERJ3GEYJ 152 V V 1.5 kΩ) R109 7030003440 S.RES R18 7030003470 S.RESISTOR ERJ3GEYJ 182 V (1.5 kΩ) R131 7030003400 S.RES R19 7030003460 S.RESISTOR ERJ3GEYJ 152 V (1.5 kΩ) R131 7030003700 S.RES R20 7030003530 S.RESISTOR ERJ3GEYJ 152 V (1.5 kΩ) R132 7030003580 S.RES R21 7030003440 S.RESISTOR ERJ3GEYJ 102 V (1 kΩ) R132 7030003580 S.RES R22 7030003580 S.RESISTOR ERJ3GEYJ 102 V (1 kΩ) R133 7030003670 S.RES	ESISTOR ERJ3GEYJ 102 V (1 kΩ)[USA]	
R18 7030003470 S.RESISTOR ERJ3GEYJ 182 V (1.8 kΩ) R131 7030003700 S.RESISTOR R19 7030003460 S.RESISTOR ERJ3GEYJ 152 V (1.5 kΩ) R131 7030003700 S.RESISTOR R20 7030003530 S.RESISTOR ERJ3GEYJ 562 V (5.6 kΩ) R132 7030003580 S.RESISTOR R21 7030003440 S.RESISTOR ERJ3GEYJ 102 V (1 kΩ) R133 7030003670 S.RESISTOR R22 7030003580 S.RESISTOR ERJ3GEYJ 153 V (15 kΩ) R133 7030003670 S.RESISTOR	ESISTOR ERJ3GEYJ 102 V (1 kΩ)[AUS]	
R19 7030003460 S.RESISTOR ERJ3GEYJ 152 V (1.5 kΩ) R132 7030003580 S.RESISTOR ERJ3GEYJ 562 V (5.6 kΩ) R132 7030003580 S.RESISTOR ERJ3GEYJ 102 V (1 kΩ) R132 7030003580 S.RESISTOR ERJ3GEYJ 102 V (1 kΩ) R133 7030003670 S.RESISTOR R22 7030003580 S.RESISTOR ERJ3GEYJ 102 V (1 kΩ) R133 7030003670 S.RESISTOR	ESISTOR ERJ3GEYJ 102 V (1 kΩ)[SEA]	
R20 7030003530 S.RESISTOR ERJ3GEYJ 562 V (5.6 kΩ) R132 7030003580 S.RES R21 7030003440 S.RESISTOR ERJ3GEYJ 102 V (1 kΩ) R132 7030003580 S.RES R22 7030003580 S.RESISTOR ERJ3GEYJ 102 V (1 kΩ) R133 7030003670 S.RES	ESISTOR ERJ3GEYJ 154 V (150 kΩ)	
R21 7030003440 S.RESISTOR ERJ3GEYJ 102 V (1 kΩ) R133 7030003670 S.RES R22 7030003580 S.RESISTOR ERJ3GEYJ 153 V (15 kΩ) R133 7030003670 S.RES		
R22 7030003580 S.RESISTOR ERJ3GEYJ 153 V (15 kΩ) R133 7030003670 S.RES	ESISTOR ERJ3GEYJ 153 V (15 kΩ) [EUR], [ITA]	
	ESISTOR ERJ3GEYJ 823 V (82 k Ω)	
	[EUR], [ITA]	
	ESISTOR ERJ3GEYJ 682 V (6.8 kΩ)	
R25 7030003680 S.RESISTOR ERJ3GEYJ 104 V (100 kΩ)	[EUR], [ITA]	
R27 7030003300 S.RESISTOR ERJ3GEYJ 680 V (68 Ω)	$t = 2 \cdot 2 t t \cdot 2 \cdot 2 t$	
R28 7030003620 S.RESISTOR ERJ3GEYJ 333 V (33 kΩ)		
	NTALUM TEMSVB2 0G 476M-8L	
	ERAMIC C1608 JB 1H 102K-T-A	
	ERAMIC C1608 JB 1A 104K-T-A	
	ERAMIC C1608 CH 1H 240J-T-A	
	ERAMIC C1608 CH 1H 470J-T-A	
R34 7030003680 S.RESISTOR ERJ3GEYJ 104 V (100 kΩ) C6 4030006860 S.CEF	ERAMIC C1608 JB 1H 102K-T-A	
	ERAMIC C1608 JB 1H 102K-T-A	
[USA], [AUS], [SEA]		

S. = Surface mount

[LOGIC UNIT]

REF. NO.	PARTS NO.		DESCRIPTION	REF. NO.	PARTS NO.
C8	4550000460	S.TANTALUM	TESVA 1C 105M1-8L	IC1	113000761
C9	4030010740	S.CERAMIC	C1608 JB 1A 104K-T-A	IC2	115000153
C10	4550000460	S.TANTALUM	TESVA 1C 105M1-8L	IC4	111000337
C10	4030008920	S.CERAMIC	C1608 JB 1C 473K-T-A	104	111000337
C12	4030010740	S.CERAMIC	C1608 JB 1A 104K-T-A		111000007
C12	4550003290	S.TANTALUM	TESVA 0G 475M1-8L		
C14	4030009000	S.CERAMIC	C2012 JB 1C 224K-T-A	Q1	159000116
C15	4550006050	S.TANTALUM	TEMSVA 0J 106M8L	Q2	152000046
C16	4030008920	S.CERAMIC	C1608 JB 1C 473K-T-A	Q3	154000035
C17	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A	Q8	153000331
C18	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A	Q9	153000331
C19	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A	Q10	159000169
019	403000880	3.CERAIVIC	[EUR] [ITA]	Q11	153000037
	4030008920	S.CERAMIC	C1608 JB 1C 473K-T-A	Q12	153000328
	4030008920	3.0ENAMIC	[USA], [AUS], [SEA]	Q16	153000320
C20	4030006870	S.CERAMIC	C1608 JB 1H 222K-T-A	Q17	153000256
020	403000870	S.CENAIVIIC		Q17 Q18	159000250
	4030008850	S.CERAMIC	[EUR], [ITA] C1608 JB 1C 123K-T-A	Q19	159000169
	4030008850	S.CERAMIC		11	159000169
001	4000000000	C OF DAMO	[USA], [AUS], [SEA]	Q20	
C21	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A	Q21	159000114
C22	4550000460	S.TANTALUM	TESVA 1C 105M1-8L	Q22	153000328
C23	4030010740	S.CERAMIC	C1608 JB 1A 104K-T-A	Q23	159000114
			(EUR), (ITA)	Q24	153000290
C24	4030010740	S.CERAMIC	C1608 JB 1A 104K-T-A		
C25	4030010740	S.CERAMIC	C1608 JB 1A 104K-T-A		170000015
			[USA] [AUS] [SEA]	D1	179000045
C26	4030010740	S.CERAMIC	C1608 JB 1A 104K-T-A	D2	179000126
C27	4030010740	S.CERAMIC	C1608 JB 1A 104K-T-A	D3	179000124
C28	4030010740	S.CERAMIC	C1608 JB 1A 104K-T-A	D6	179000045
C29	4030010740	S.CERAMIC	C1608 JB 1A 104K-T-A	D10	179000066
C32	4030010740	S.CERAMIC	C1608 JB 1A 104K-T-A	D11	179000066
			[EUR], [ITA]	D14	179000045
	•			D16	175000037
				D17	179000103
DS1	5030001230	LCD	LD-BU4323J(E-4158-1)	D18	172000036
DS2	5010000150	S.LED	LT1EP53A	D19	179000062
DS3	5010000160	S.LED	LNJ310M6URA	D20	172000036
DS4	5010000160	S.LED	LNJ310M6URA	D21	179000062
				D22	179000045
				D24	116000006
S1	2230000900	S.SWITCH	JPM1990-2013R	D25	116000006
S2	2230000900	S.SWITCH	JPM1990-2013R	D26	179000125
J1	6510018630	S.CONNECTOR	08-6210-030-010-800	FI1	201000161
J2	6510018620	S.CONNECTOR	08-6212-010-010-800	FI2	204000106
					204000105
W3	8900005320	FFC	OPC-519 (N:30 L:55)	FI3	204000106
W5	9029705030	WIRE	72/98/020/X98/X98		-
				F13	204000105
SP1	2510000840	SPEAKER	CS028014-12		
				X1	605000943
MC1	7700001750	MICROPHONE	EM-123TH		
				L1	620000448
EP2	0910045775	PCB	B 4374E	L2	620000478
				L3	620000233
				L4	620000234
				L5	620000234
				L6	620000233
				L7	620000233
	-			L8	620000435
				L9	620000493
				L10	6200002330
				L11	620000478
				L12	6200004210
				L13	620000468
				L14	6200004350

[UHF RF UNIT] (IC-T42 only)

REF. NO.	PARTS NO.	DESCRIPTION			
IC1	1130007610	S.IC	µPD3140GS-E1 (DS8)		
IC2	1150001530		SC1284 A		
IC4 IC5	1110003370	S.IC S.IC	µPC2748T-E3 µPC2748T-E3		
100	1110000070	0.10			
Q1	1590001160	S.TRANSISTOR	XP1401-(TX).AB		
Q2 Q3	1520000460 1540000350	S.TRANSISTOR S.TRANSISTOR	2SB1132 T100 R 2SD2216-S(TX)		
Q8	1530003310	S.TRANSISTOR	2SC5107-O (TE85R)		
Q9	1530003310	S.TRANSISTOR	2SC5107-O (TE85R)		
Q10	1590001690	S.TRANSISTOR	UN9115(TX)		
Q11 Q12	1530000370 1530003280	S.TRANSISTOR S.TRANSISTOR	2SC3356-T2B 2SC4211-6-TR		
Q16	1530003280	S.TRANSISTOR	2SC4228-T2		
Q17	1530002560	S.TRANSISTOR	2SC4403-3-TR		
Q18	1590001690	S.TRANSISTOR	UN9115(TX)		
Q19	1590001690	S.TRANSISTOR	UN9115(TX)		
Q20 Q21	1590001690 1590001140	S.TRANSISTOR	UN9115(TX) UN9210(TX)		
Q22	1530003280	S.TRANSISTOR	2SC4211-6-TR		
Q23	1590001140	S.TRANSISTOR	UN9210(TX)		
Q24	1530002900	S.TRANSISTOR	2SC4228-T2		
D1	1790000450	S.DIODE	MA862(TX)		
D2	1790001260	S.DIODE	MA2S077-(TX)		
D3 D6	1790001240 1790000450	S.DIODE S.DIODE	MA2\$728-(TX) MA862(TX)		
D10	1790000660	S.DIODE	MA728(TW)		
D11	1790000660	S.DIODE	MA728(TW)		
D14 D16	1790000450 1750000370	S.DIODE S.DIODE	MA862(TX) DA221 TL		
D17	1790001030	S.DIODE	SB30-03P-TD		
D18	1720000360	S.DIODE	HSU88TRF		
D19	1790000620	S.DIODE	MA77(TW)		
D20 D21	1720000360 1790000620	S.DIODE S.DIODE	HSU88TRF MA77(TW)		
D22	1790000450	S.DIODE	MA862(TX)		
D24	1160000060	S.DIODE	DAN202U T107		
D25 D26	1160000060 1790001250	S.DIODE S.DIODE	DAN202U T107 MA2S111-(TX)		
020	1730001230	J.DIODE	WA20111-(177)		
FI1 FI2	2010001610 2040001060	MONOLITHIC S.FILTER	FL-202 (30.850MHz) LFB30N11B0446B010 [USA]		
	2040001000	S.FILTER	LFB30N11B0436B010		
			[EUR], [ITA], [AUS], [SEA]		
FI3	2040001060	S.FILTER	LFB30N11B0446B010 [USA]		
FI3	2040001050	S.FILTER	LFB30N11B0436B010 [EUR], [ITA], [AUS], [SEA]		
X1	6050009430	XTAL	CR-515 (15.200MHz)		
L1	6200004480	S.COIL	MLF1608D R82K-T		
L2	6200004780	S.COIL	MLF1608A 1R5K-T		
L3	6200002330 6200002340	S.COIL S.COIL	LQN 1A 15NJ04 LQN 1A 23NJ04		
L4 L5	6200002340 6200002340	S.COIL	LQN 1A 23NJ04		
L6	6200002330	S.COIL	LQN 1A 15NJ04		
L7	6200002330	S.COIL	LQN 1A 15NJ04		
L8 L9	6200004350 6200004930	S.COIL S.COIL	LL1608-F10NK MLF1608E 8R2K-T		
L9 L10	6200004930 6200002330	S.COIL	LQN 1A 15NJ04		
L11	6200004780	S.COIL	MLF1608A 1R5K-T		
L12	6200004210 6200004680	S.COIL	MLR1608M 15NJ-T		
L13 L14	6200004680 6200004350	S.COIL S.COIL	LL1608-F8N2K LL1608-F10NK		

T42 T22

S. = Surface mount

[UHF RF UNIT] (IC-T42 only)

[UHF RF UNIT] (IC-T42 only)

REF.	PARTS		DESCRIPTION	1 1	REF.	PARTS NO.		DESCRIPTION
NO.	NO.			┨┠┛	110.	NQ.		
L15	6200004350	S.COIL	LL1608-F10NK	R	774	7030003220	S.RESISTOR	ERJ3GEYJ 150 V (15 Ω)
L16	6200004390 .	S.COIL	LL1608-F22NK	R	375	7030003360	S.RESISTOR	ERJ3GEYJ 221 V (220 Ω)
L17	6200004220	S.COIL	MLR1608M 27NJ-T		776	7030003400	S.RESISTOR	ERJ3GEYJ 471 V (470 Ω)
L18	6200002360	S.COIL	LQN 1A 33NJ04	R	777	7030003520	S.RESISTOR	ERJ3GEYJ 472 V (4.7 kΩ)
L19	6200002340	S.COIL	LQN 1A 23NJ04	R	778	7030003610	S.RESISTOR	ERJ3GEYJ 273 V (27 kΩ)
L20	6200002240	S.COIL	ELJFC 2R2K-F	R	779	7030003720	S.RESISTOR	ERJ3GEYJ 224 V (220 kΩ)
L21	6200004370	S.COIL	LL1608-F15NK	1 в	80	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)
L22	6200004360	S.COIL	LL1608-F12NK	1 1	381	7030003650	S.RESISTOR	ERJ3GEYJ 563 V (56 kΩ)
L24	6200004420	S.COIL	LL1608-F33NK					
L25	6200004410	S.COIL	LL1608-F27NK					
L26	6200005250	S.COIL	LL1608-F5N6K 5.6N [USA]		01	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
LZU	6200004350	S.COIL	LL1608-F10NK 10N	1 1	22	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
	0200004000	0.0012	[EUR], [ITA], [AUS], [SEA]	1 1	23	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
L27	6200003550	S.COIL	MLF1608A 4R7K-T	1 1	24	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
	6200003330	S.COIL	LL1608-F47NK 47N	1 1	25	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
L28	6200004400	S.COIL	LE 1000-F471NK 471N		26	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
]				1		S.CERAMIC	C1608 JB 1H 102K-T-A
				1 1	27	4030006860		
R1	7030003520	S.RESISTOR	ERJ3GEYJ 472 V (4.7 k)	1 1	28	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
R2	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 k)		09	4030009970	S.CERAMIC	C1608 JB 1H 182K-T-A
R3	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 k)		210	4030007000	S.CERAMIC	C1608 CH 1H 090D-T-A
R4	7030003570	S.RESISTOR	ERJ3GEYJ 123 V (12 kΩ)		211	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
R5	7030003620	S.RESISTOR	ERJ3GEYJ 333 V (33 kΩ)		214	4510006450	S.TANTALUM	TEMSVA2 0J 475M-8R
R6	7030003600	S.RESISTOR	ERJ3GEYJ 223 V (22 kΩ)		215	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
R7	7030003650	S.RESISTOR	ERJ3GEYJ 563 V (56 kΩ)		216	4030009540	S.CERAMIC	C1608 CH 1H 1R5B-T-A
R8	7030003500	S.RESISTOR	ERJ3GEYJ 332 V (3.3 kΩ)	1 1	217	4030009540	S.CERAMIC	C1608 CH 1H 1R5B-T-A
R9	7030003520	S.RESISTOR	ERJ3GEYJ 472 V (4.7 kΩ)		219	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
R10	7030003520	S.RESISTOR	ERJ3GEYJ 472 V (4.7 kΩ)	1 1 7	220	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
R11	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)	1 1	221	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)		222	4030009530	S.CERAMIC	C1608 CH 1H 030B-T-A
R12			ERJ3GEYJ 101 V (100 Ω)		024	4550006050	S.TANTALUM	TEMSVA 0J 106M8L
R16	7030003320	S.RESISTOR			225	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
R21	7030003240	S.RESISTOR	ERJ3GEYJ 220 V (22 Ω)	1 1	1			
R22	7030003480	S.RESISTOR	ERJ3GEYJ 222 V (2.2 kΩ)	1 1	226	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
R23	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)		228	4030007020	S.CERAMIC	C1608 CH 1H 120J-T-A
R24	7030003270	S.RESISTOR	ERJ3GEYJ 390 V (39 Ω)		229	4030009530	S.CERAMIC	C1608 CH 1H 030B-T-A
R25	7030003380	S.RESISTOR	ERJ3GEYJ 331 V (330 Ω)		230	4030006980	S.CERAMIC	C1608 CH 1H 070J-T-A
R26	7030003670	S.RESISTOR	ERJ3GEYJ 823 V (82 kΩ)		231	4030006970	S.CERAMIC	C1608 CH 1H 060D-T-A
R27	7030003290	S.RESISTOR	ERJ3GEYJ 560 V (56 Ω)		232	4030009540	S.CERAMIC	C1608 CH 1H 1R5B-T-A
R28	7030003590	S.RESISTOR	ERJ3GEYJ 183 V (18 kΩ)		233	4030006980	S.CERAMIC	C1608 CH 1H 070D-T-A
R31	7030003530	S.RESISTOR	ERJ3GEYJ 562 V (5.6 kΩ)		234	4030009570	S.CERAMIC	C1608 CH 1H 0R3B-T-A
R32	7030003480	S.RESISTOR	ERJ3GEYJ 222 V (2.2 kΩ)		35	4030006990	S.CERAMIC	C1608 CH 1H 080D-T-A
R33	7030003420	S.RESISTOR	ERJ3GEYJ 681 V (680 Ω)		36	4030009570	S.CERAMIC	C1608 CH 1H 0R3B-T-A
R34	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)	1 1	37	4030009570	S.CERAMIC	C1608 CH 1H 0R3B-T-A
R35	7030003660	S.RESISTOR	ERJ3GEYJ 683 V (68 kΩ)	1 1	38	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
R36	7030003320	S.RESISTOR	ERJ3GEYJ 101 V (100 Ω)	1 1	239	4030006990	S.CERAMIC	C1608 CH 1H 080D-T-A
R37	7030003360	S.RESISTOR	ERJ3GEYJ 221 V (220 Ω)		240	4030007080	S.CERAMIC	C1608 CH 1H 390J-T-A
R38	751000200	S.THERMISTOR			241	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
	1			1 1	241	4030006850	S.CERAMIC	C1608 JB 1H 471K-T-A
R39	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)	1 1	242		S.TANTALUM	TESVA 1V 104M1-8L
R40	7030003390	S.RESISTOR	ERJ3GEYJ 391 V (390 Ω)	1 1		4550000530		
R41	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)		244	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
R46	7030003380	S.RESISTOR	ERJ3GEYJ 331 V (330 Ω)		245	4550002890	S.TANTALUM	TESVA 1A 225M1-8L
R47	7030003520	S.RESISTOR	ERJ3GEYJ 472 V (4.7 kΩ)	1 1	246	4030010740	S.CERAMIC	C1608 JB 1A 104K-T-A
R48	7030003320	S.RESISTOR	ERJ3GEYJ 101 V (100 Ω)		247	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
R49	7030003320	S.RESISTOR	ERJ3GEYJ 101 V (100 Ω)	1 1	248	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
R50	7030003670	S.RESISTOR	ERJ3GEYJ 823 V (82 kΩ)		249	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
R51	7030003670	S.RESISTOR	ERJ3GEYJ 823 V (82 kΩ)	1 1	250	4550006080	S.TANTALUM	TEMSVB2 1C 106M-8L
R52	7030003420	S.RESISTOR	ERJ3GEYJ 681 V (680 Ω)		251	4030009520	S.CERAMIC	C1608 CH 1H 020B-T-A
R53	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)		252	4030009910	S.CERAMIC	C1608 CH 1H 040B-T-A
R54	7030003430	S.RESISTOR	ERJ3GEYJ 821 V (820 Ω)	0	53	4030009520	S.CERAMIC	C1608 CH 1H 020B-T-A
R55	7030003450	S.RESISTOR	ERJ3GEYJ 122 V (1.2 kΩ)		254	4030007020	S.CERAMIC	C1608 CH 1H 120J-T-A
R56	7030003520	S.RESISTOR	ERJ3GEYJ 472 V (4.7 kΩ)	1 1	59	4030007050	S.CERAMIC	C1608 CH 1H 220J-T-A
R57	7030003640	S.RESISTOR	ERJ3GEYJ 473 V (47 kΩ)	1 1	260	4030007080	S.CERAMIC	C1608 CH 1H 390J-T-A
R58	7030003350	S.RESISTOR	ERJ3GEYJ 181 V (180 Ω)		261	4610001890	S.TRIMMER	CTZ3E-20C-W1
	7030003360	S.RESISTOR	ERJ3GEYJ 221 V (220 Ω)		271	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
R59								C1608 JB 1H 102K-T-A
R63	7030003520	S.RESISTOR	ERJ3GEYJ 472 V (4.7 kΩ)		272	4030006860	S.CERAMIC	
R64	7030003450	S.RESISTOR	ERJ3GEYJ 122 V (1.2 kΩ)	1 1	73	4030006970	S.CERAMIC	C1608 CH 1H 060D-T-A
R65	7030003600	S.RESISTOR	ERJ3GEYJ 223 V (22 kΩ)	1 1	274	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
R66	7030003380	S.RESISTOR	ERJ3GEYJ 331 V (330 Ω)	1 1	275	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
R67	7030003320	S.RESISTOR	ERJ3GEYJ 101 V (100 Ω)		276	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
R68	7030003480	S.RESISTOR	ERJ3GEYJ 222 V (2.2 kΩ)	0	77	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
R69	7030003480	S.RESISTOR	ERJ3GEYJ 222 V (2.2 kΩ)		78	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
R70	7030003520	S.RESISTOR	ERJ3GEYJ 472 V (4.7 kΩ)	c	79	4030009500	S.CERAMIC	C1608 CH 1H 0R5B-T-A
			· ·	1 1	1			

S. = Surface mount

T42

[UHF RF UNIT] (IC-T42 only)

PARTS NO. 4030006900 4030006980 4030006970 4030006860 4030006860 4030006860 4030009520 4030009520 4030009540 4030009540 4030009540 4030009540 4030006860 4030006860	S.CERAMIC S.CERAMIC S.CERAMIC S.CERAMIC S.CERAMIC S.CERAMIC S.CERAMIC S.CERAMIC S.CERAMIC S.CERAMIC S.CERAMIC S.CERAMIC S.CERAMIC S.CERAMIC	C1608 JB 1E 103K-T-A C1608 CH 1H 070D-T-A C1608 CH 1H 070D-T-A C1608 CH 1H 100D-T-A C1608 JB 1H 102K-T-A C1608 JB 1H 102K-T-A C1608 JB 1H 102K-T-A C1608 JB 1H 102K-T-A C1608 CH 1H 102B-T-A C1608 CH 1H 102B-T-A C1608 CH 1H 102B-T-A C1608 CH 1H 100D-T-A		REF. NO. Q301 Q302 Q303 D301 D302 L302	PARTS NO. 15300029 15300029 15300033 15300033 17200003 179000120
4030006980 4030007010 4030006970 4030006860 4030006860 4030006860 4030009520 4030009540 4030009540 4030009540 4030009540 4030009540 4030006860	S.CERAMIC S.CERAMIC S.CERAMIC S.CERAMIC S.CERAMIC S.CERAMIC S.CERAMIC S.CERAMIC S.CERAMIC S.CERAMIC S.CERAMIC S.CERAMIC	C1608 CH 1H 070D-T-A C1608 CH 1H 100D-T-A C1608 CH 1H 060D-T-A C1608 JB 1H 102K-T-A C1608 JB 1H 102K-T-A C1608 JB 1H 102K-T-A C1608 JB 1H 102K-T-A C1608 CH 1H 020B-T-A C1608 CH 1H 1R5B-T-A C1608 CH 1H 020B-T-A		Q302 Q303 D301 D302	15300029 15300033 17200003 179000120
4030006980 4030007010 4030006970 4030006860 4030006860 4030006860 4030009520 4030009540 4030009540 4030009540 4030009540 4030009540 4030006860	S.CERAMIC S.CERAMIC S.CERAMIC S.CERAMIC S.CERAMIC S.CERAMIC S.CERAMIC S.CERAMIC S.CERAMIC S.CERAMIC S.CERAMIC S.CERAMIC	C1608 CH 1H 070D-T-A C1608 CH 1H 100D-T-A C1608 CH 1H 060D-T-A C1608 JB 1H 102K-T-A C1608 JB 1H 102K-T-A C1608 JB 1H 102K-T-A C1608 JB 1H 102K-T-A C1608 CH 1H 020B-T-A C1608 CH 1H 1R5B-T-A C1608 CH 1H 020B-T-A		Q302 Q303 D301 D302	15300029 15300033 17200003 179000120
4030006970 4030006860 4030006860 4030006860 4030009520 4030009520 4030009540 4030009520 4030009540 4030009540 4030009920 4030006860	S.CERAMIC S.CERAMIC S.CERAMIC S.CERAMIC S.CERAMIC S.CERAMIC S.CERAMIC S.CERAMIC S.CERAMIC S.CERAMIC	C1608 CH 1H 060D-T-A C1608 JB 1H 102K-T-A C1608 JB 1H 102K-T-A C1608 JB 1H 102K-T-A C1608 JB 1H 102K-T-A C1608 CH 1H 102CB-T-A C1608 CH 1H 1R5B-T-A C1608 CH 1H 1R5B-T-A		D301 D302	17200003 17900012
4030006860 4030006860 4030006860 4030009520 4030009520 4030009540 4030009520 4030009540 4030009540 4030009920 4030006860 4030006860	S.CERAMIC S.CERAMIC S.CERAMIC S.CERAMIC S.CERAMIC S.CERAMIC S.CERAMIC S.CERAMIC S.CERAMIC	C1608 JB 1H 102K-T-A C1608 JB 1H 102K-T-A C1608 JB 1H 102K-T-A C1608 JB 1H 102K-T-A C1608 CH 1H 1020B-T-A C1608 CH 1H 1R5B-T-A C1608 CH 1H 1R5B-T-A		D302	17900012
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4030006860 4030005860 4030009520 4030009540 4030009520 4030007010 4030009540 4030009920 4030006860 4030006860	S.CERAMIC S.CERAMIC S.CERAMIC S.CERAMIC S.CERAMIC S.CERAMIC S.CERAMIC	C1608 JB 1H 102K-T-A C1608 JB 1H 102K-T-A C1608 CH 1H 020B-T-A C1608 CH 1H 1R5B-T-A C1608 CH 1H 1R5B-T-A C1608 CH 1H 020B-T-A		D302	17900012
4030006860 4030009520 4030009540 4030009520 4030007010 4030009540 4030009920 4030006860 4030006860	S.CERAMIC S.CERAMIC S.CERAMIC S.CERAMIC S.CERAMIC S.CERAMIC	C1608 JB 1H 102K-T-A C1608 CH 1H 020B-T-A C1608 CH 1H 1R5B-T-A C1608 CH 1H 1R5B-T-A			
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4030009540 4030009520 4030007010 4030009540 4030009920 4030006860 4030006860	S.CERAMIC S.CERAMIC S.CERAMIC S.CERAMIC	C1608 CH 1H 1R5B-T-A C1608 CH 1H 020B-T-A		L302	l
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4030009540 4030009920 4030006860 4030006860	S.CERAMIC			L303	62000044
4030009920 4030006860 4030006860		C1608 CH 1H 1R5B-T-A			
4030006860 4030006860	S.CERAMIC	C1608 CH 1H 050B-T-A		R301	70300060
4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A		R302	70300058
	S.CERAMIC	C1608 JB 1H 102K-T-A		R303	70300060
	S.CERAMIC	C1608 JB 1H 102K-T-A		R304	70300058
4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A		R305	70300034
4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A		R306	70300057
4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A	1	R307	70300033
4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A		R308	70300057
4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A		R309	70300058
4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A	1	R310	70300057
4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A	1		
4030009520	S.CERAMIC	C1608 CH 1H 020B-T-A			
4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A		C301	40300097
4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A		C302	40300097
4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A		C303	40300095
4030006860	S.CERAMIC			4 1	40300098
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1				J301	65100186
4030007010	S.CERAMIC	C1608 CH 1H 100J-T-A			
4030006990	S.CERAMIC	C1608 CH 1H 080J-T-A			
				EP301	09100457
7600000170	ENCODER	TP96D96E20-15FB10K-1460			
6450001060	CONNECTOR	HSJ1493-01-010			
6450000130	CONNECTOR	HSJ1102-01-540			
6450000870	CONNECTOR	HEC2711-01-020			
6510018470	S.CONNECTOR	IL-WX-30PB-VF84-B-E900			
7030003860	SJUMPER	FRJ3GE JPW V			
7120000380	JUMPER	JPW 01 R-01			
7030003860	S.JUMPER	ERJ3GE JPW V			
0910046901	PCB	B 4722A			
	4030006860 4030006860 4030006860 4030006860 4030006860 4030006860 4030006860 4030006860 4030006860 4030006860 4030006860 4030006860 4030006860 4030006860 4030006860 4030006850 4030007090 4030007090 4030007090 4030007090 4030007090 4030007090 4030007090 4030007090 4030007090 4030007090 4030007090 4030007090 4030007090 4030007090 4030007010 4030000850 4550000170 4450000130 3450000870 3510018470 7030003860 712000380	4030006860 S.CERAMIC 4030006850 S.CERAMIC 4030006850 S.CERAMIC 4030006850 S.CERAMIC 4030007090 S.CERAMIC 4030007090 S.CERAMIC 4030007090 S.CERAMIC 4030006860 S.CERAMIC 4030007090 S.CERAMIC 4030007090 S.CERAMIC 4030007090 S.CERAMIC 4030007010 S.CERAMIC 4030006850 S.CERAMIC 4030007010 S.CERAMIC 4030007010 S.CERAMIC 4030006990 S.CERAMIC 7600000170 ENCODER 7450001807 <td< td=""><td>4030006860 S.CERAMIC C1608 JB 1H 102K-T-A 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A 4030007090 S.CERAMIC C1608 CH 1H 470J-T-A 4030007090 S.CERAMIC C1608 CH 1H 470J-T-A 4030006860 S.CERAMIC C1608 CH 1H 470J-T-A 4030006860 S.CERAMIC C1608 CH 1H 470J-T-A 4030006860 S.CERAMIC C1608 CH 1H 240J-T-A 4030006860 S.CERAMIC C1608 CH 1H 240J-T-A 4</td><td>4030006860 S.CERAMIC C1608 JB 1H 102K-T-A 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A 4030007090 S.CERAMIC C1608 CH 1H 470J-T-A 4030007090 S.CERAMIC C1608 CH 1H 470J-T-A 4030007040 S.CERAMIC C1608 CH 1H 470J-T-A 4030007040 S.CERAMIC C1608 CH 1H 180J-T-A 4030007040 S.CERAMIC C1608 CH 1H 240J-T-A 4</td><td>4030006860 S.CERAMIC C1608 JB 1H 102K-T-A R309 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A R310 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A R310 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A R301 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C301 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C302 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C303 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C304 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C304 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C306 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C306 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C307 4030007090 S.CERAMIC C1608 JB 1H 102K-T-A C307 4030007090 S.CERAMIC C1608 CH 1H 470J-T-A C307 4030007090 S.CERAMIC C1608 CH 1H 470J-T-A C311 4030006860 S.CERAMIC C1608 CH 1H 470J-T-A C312 <td< td=""></td<></td></td<>	4030006860 S.CERAMIC C1608 JB 1H 102K-T-A 4030007090 S.CERAMIC C1608 CH 1H 470J-T-A 4030007090 S.CERAMIC C1608 CH 1H 470J-T-A 4030006860 S.CERAMIC C1608 CH 1H 470J-T-A 4030006860 S.CERAMIC C1608 CH 1H 470J-T-A 4030006860 S.CERAMIC C1608 CH 1H 240J-T-A 4030006860 S.CERAMIC C1608 CH 1H 240J-T-A 4	4030006860 S.CERAMIC C1608 JB 1H 102K-T-A 4030007090 S.CERAMIC C1608 CH 1H 470J-T-A 4030007090 S.CERAMIC C1608 CH 1H 470J-T-A 4030007040 S.CERAMIC C1608 CH 1H 470J-T-A 4030007040 S.CERAMIC C1608 CH 1H 180J-T-A 4030007040 S.CERAMIC C1608 CH 1H 240J-T-A 4	4030006860 S.CERAMIC C1608 JB 1H 102K-T-A R309 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A R310 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A R310 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A R301 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C301 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C302 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C303 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C304 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C304 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C306 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C306 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C307 4030007090 S.CERAMIC C1608 JB 1H 102K-T-A C307 4030007090 S.CERAMIC C1608 CH 1H 470J-T-A C307 4030007090 S.CERAMIC C1608 CH 1H 470J-T-A C311 4030006860 S.CERAMIC C1608 CH 1H 470J-T-A C312 <td< td=""></td<>

[U VCO UNIT] (IC-T42 only)

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REF. NO.	PARTS NO.		DESCRIPTION
NV.	NU.		AND 2011 2
Q301	1530002920	S.TRANSISTOR	2SC4226-T2 R25
Q302	1530002920	S.TRANSISTOR	
Q303	1530003310	S.TRANSISTOR	2SC5107-O (TE85R)
			_
D301	1720000370	S.VARICAP	HVU350TRF MA2S077-(TX)
D302	1790001260	S.DIODE	MA2S077-(TX)
L302	6110001990	COIL	LA-223
L302 L303	6200004400	S.COIL	LA-223 LL1608-F47NK
LUC.	ULUUUL	0.0012	
R301	7030006020	S.RESISTOR	RR0510P-682-D (6.8 kΩ)
R302	7030005880	S.RESISTOR	RR0510R-820-D (82 Ω)
R303	7030006030	S.RESISTOR	RR0510P-822-D (8.2 kΩ)
R304	7030005860	S.RESISTOR	RR0510R-823-D (82 kΩ)
R305	7030003430	S.RESISTOR	ERJ3GEYJ 821 V (820 Ω)
R306	7030005780	S.RESISTOR	RR0510P-221-D (220 Ω)
R307	7030003310	S.RESISTOR	ERJ3GEYJ 820 V (82 Ω)
R308	7030005760	S.RESISTOR	RR0510R-680-D (68 Ω)
R309	7030005810	S.RESISTOR	RR0510P-152-D (1.5 kΩ)
R310	7030005780	S.RESISTOR	RR0510P-221-D (220 Ω)
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			STATISTICS I TA
C301	4030009760	S.CERAMIC	C1005 CH 1E 150J-T-A
C302	4030009730	S.CERAMIC	C1005 CH 1E 090D-T-A
C303	4030009520	S.CERAMIC	C1608 CH 1H 020B-T-A
C304	4030009810	S.CERAMIC	C1005 JB 1E 102K-T-A
C305	4030009810	S.CERAMIC	C1005 JB 1E 102K-T-A
C306	4030009520	S.CERAMIC	C1608 CH 1H 020B-T-A
C307	4030009540	S.CERAMIC	C1608 CH 1H 1R5B-T-A
C308	4030009810	S.CERAMIC	C1005 JB 1E 102K-T-A
C309	4030007000	S.CERAMIC	C1608 CH 1H 090D-T-A
C310	4030009810	S.CERAMIC	C1005 JB 1E 102K-T-A
C311	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A C1005 JB 1E 102K-T-A
· C312	4030009810	S.CERAMIC	C1005 JB 1E 102K-T-A
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J301	6510018640	CONNECTOR	IMSA-9230B-1-05Z064-T
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EP301	0910045794	PCB	B 4315D
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S. = Surface mount

SECTION 7 MECHANICAL PARTS AND DISASSEMBLY

7-1 CABINET PARTS

[CHASSIS PARTS]

BEF.				
NO.	ORDER NO.	DESCRIPTION		
J 1	6510018560	Connector BNC-R128		
MP 1	8210012350	1600 Rear panel		
MP 2	8310034261	1460 Contact base-1		
MP 3	8010016110	1600 Chassis	1	
MP 4	8930035131	Spring (V)-1	1	
MP 5	8930033760	1460 Release plate	1	
MP 6	8930033770	1460 Release button	1	
MP 7	8930033820	1460 Contact spring	3	
MP 8	8610009830	Knob N225(A)	1	
MP 9	8610009341	Knob N226-1	1	
MP 10	8930035410	1460 Contact rubber	3	
MP 11	8930035520	1459 Rear plate	1	
MP 12	8930036200	1600 DC Cap	1	
MP 13	8810008750	Screw PH B0 M2 x 15 ZK	4	
MP 14	8810008970	Screw FH B0 No.0 M2 x 3.5 NI-ZU (BT)	2	
MP 15	8810008970	Screw FH B0 No.0 M2 x 3.5 NI-ZU (BT)	3	
MP 16	8810008970	Screw FH B0 No.0 M2 x 3.5 NI-ZU (BT)	2	
MP 17	8810008970	Screw FH B0 No.0 M2 x 3.5 NI-ZU (BT)	2	
MP 18	8810008740	Screw PH B0 No.0-1 M2.6 x 5 NI-ZU (BT)	2	
MP 19	8810006790	Screw PH No.0 M2 x 3.5 ZK	1	
MP 20	8810008970	Screw FH B0 No.0 M2 x 3.5 NI-ZU (BT)	2	
MP21	8830000570	Nut(A)	1	
MP 22	8930036340	1600 Antenna grounding rug	1	
MP 23	8810006650	Screw PH B0 No.0 M1.4 x 2.5	3	
MP24	8810005730	Screw PH-tras M3 x 3 ZK BS	2	
MP 26	8510010020	1600 Module shield	1	
MP27	8930036190	1600 Microphone cap	1	

[VVCO AND UVCO UNITS]

REF. NO.	ORDER NO.	DESCRIPTION	
MP 1	8510009750	1600 VCO case	1

[MAIN UNIT]

REF. NO.	ORDER NO.		QTY.
MP 1	8930027620	1257 Spring	1

[LOGIC UNIT]

REF. NO.	ORDER NO.	DESCRIPTION	
W 3	8900005320	Cable OPC-519 (N:30 L:55)	1
DS 1	5030001230	LCD LD-BU4323J	1
EP 1	8930037201	LCD contact screen SRCN-1600 ZNN-1	1
SP 1	2510000840	Speaker CS028014-12	1
MC 1	7700001750	Microphone EM-123TH	1
MP 1	8210012470	1600 LCD Reflector	1
MP 2	8930036180	1600 Rubber button 10 key	1
MP 4	8930036240	1600 PTT button	1
MP 6	8930036150	1600 LCD holder	1
MP 10	8930036250	1600 PTT plate	
MP 11	8810008970	Screw FH B0 No.0 M2 x 3.5 NI-ZU (BT)	
MP 12	8510009790	1600 Grounding plate	1
MP 13	8930036630	1600 Speaker sheet	1
MP 14	8210013010	1600 Front panel (G) assembled (IC-T22A)	1
	8210013020	1600 Front panel (H) assembled (IC-T22E)	1
	8210013040	1600 Front panel (J) assembled (IC-T42A)	1
	8210013050	1600 Front panel (K) assembled (IC-T42E)	1
MP 15	8860000980	1600 Logic rug plate (IC-T42A/E)	1

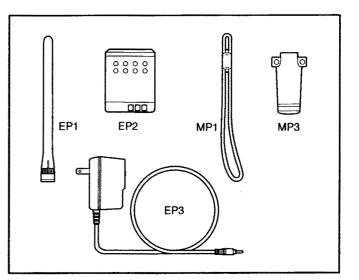
[VHF RF AND UHF RF UNITS]

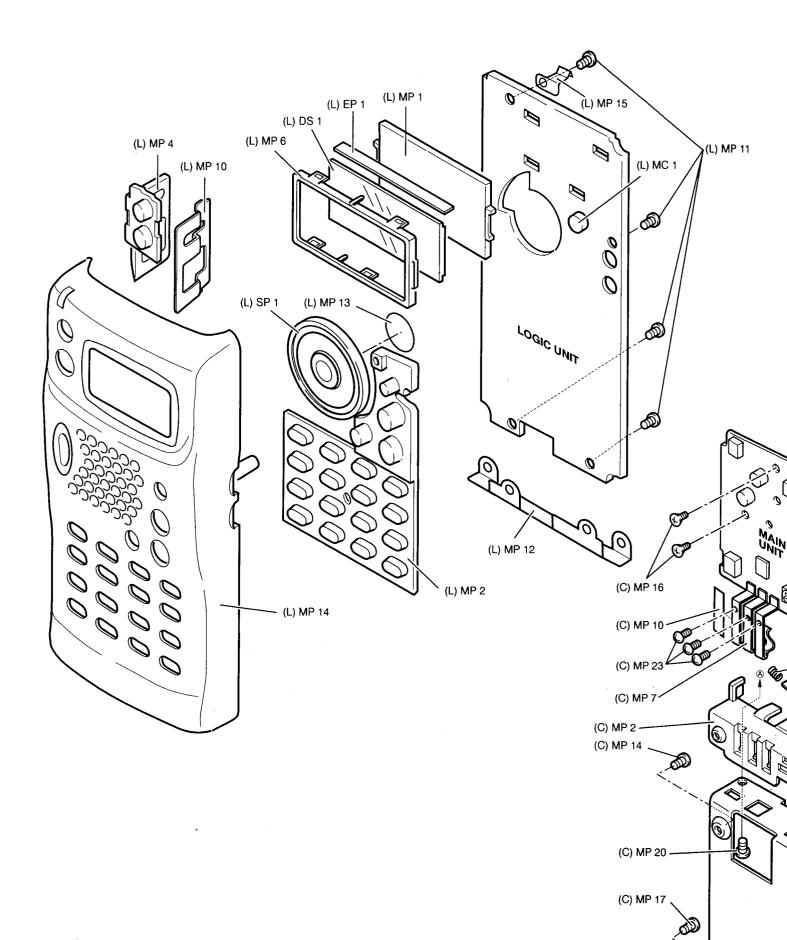
REF. NO.	ORDER NO.	DESCRIPTION	
J 2	6450001060	Speaker jack HSJ1493-01-010	1
J 3	6450000130	Microphone jack HSJ1102-01-540	1
J 4	6450000870	DC input jack HEC2711-01-020	1
J 5	6510018470	Connector IC-WX-30PB-VF84-B	1
S 1	7600000170	Encoder TP96D96E20-15F10KB-1460	1

Screw abbreviations: PH: Pan head FH: Flat head B0: Self-tapping NI: Nickel ZK: Black

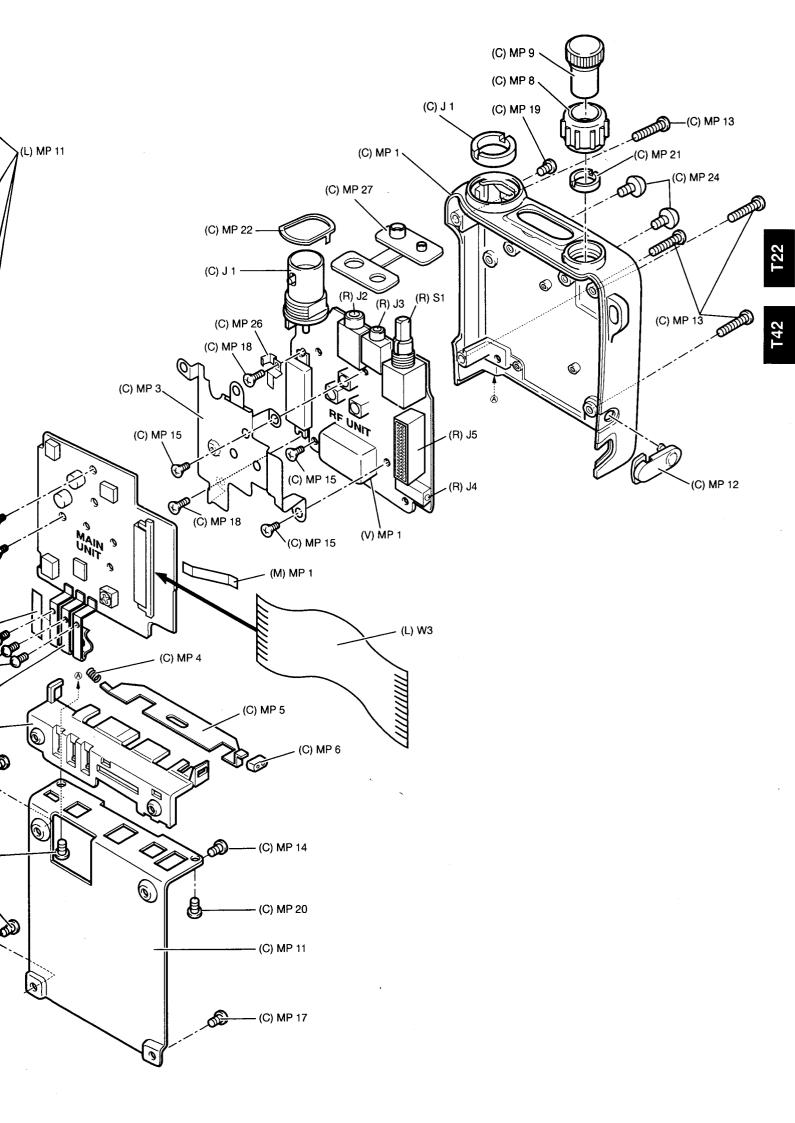
7-2 ACCSESSORIES

REF. NO.	ORDER NO.	DESCRIPTION	QTY.
EP 1	Optional products	Antenna FA-B2B (IC-T22A/E)	1
	Optional products	Antenna FA-B70B (IC-T42A/E)	1
EP 2	Optional products	Battery case BP-170 (SEA)	1
	Optional products	Battery pack BP-180 (USA)	1
	Optional products	Battery pack BP-171 (Other versions)	1
EP 3	Optional products	Wall charger BC-110V (AUS)	1
	Optional products	Wall charger BC-110A (USA)	1
	Optional products	Wall charger BC-110D (EUR, ITA)	1
MP 1	8010011960	Strap belt HK-005	1
MP 3	8010008620	752 Belt clip	1





Unit abbreviations (C): CHASSIS PARTS (L): LOGIC UNIT (R): RF UNIT (V): VCO UNIT (M): MAIN UNIT



SECTION 8 SEMI-CONDUCTOR INFORMATIONS

8-1 TRANSISTORS

NAME	SYMBOL	INSIDE VIEW	NAME	SYMBOL	INSIDE VIEW
2SA1622-6 2SB1132-R	M6 BAR		XP1401	5V	
2SB1201	-		XP1501 AB	5R	
2SC3356 2SC4211-6 2SC4215-0 2SC4226-T2	R24/R25 L6 QO R25	c L	XP6501 AB	5N	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
2SC4228-R45 2SC4403-3 2SC4405-3 2SC5107-O 2SC5226 2SD2216-S	R45 LY3 OY3 MFO LN YS		UMX5	X5	$\begin{array}{cccc} B2 & B1 & E1 \\ 3 & & & & 1 \\ 4 & & & & & \\ C2 & E2 & C1 \end{array}$
2SK880-Y	XY	G G G G G G G G G G G G G G G G G G G			
JN9110	6L	C B B E			
JN9115	6E	C B B			
UN9210 UN9215	8L 8E	C F B E			
XP1210	AC				

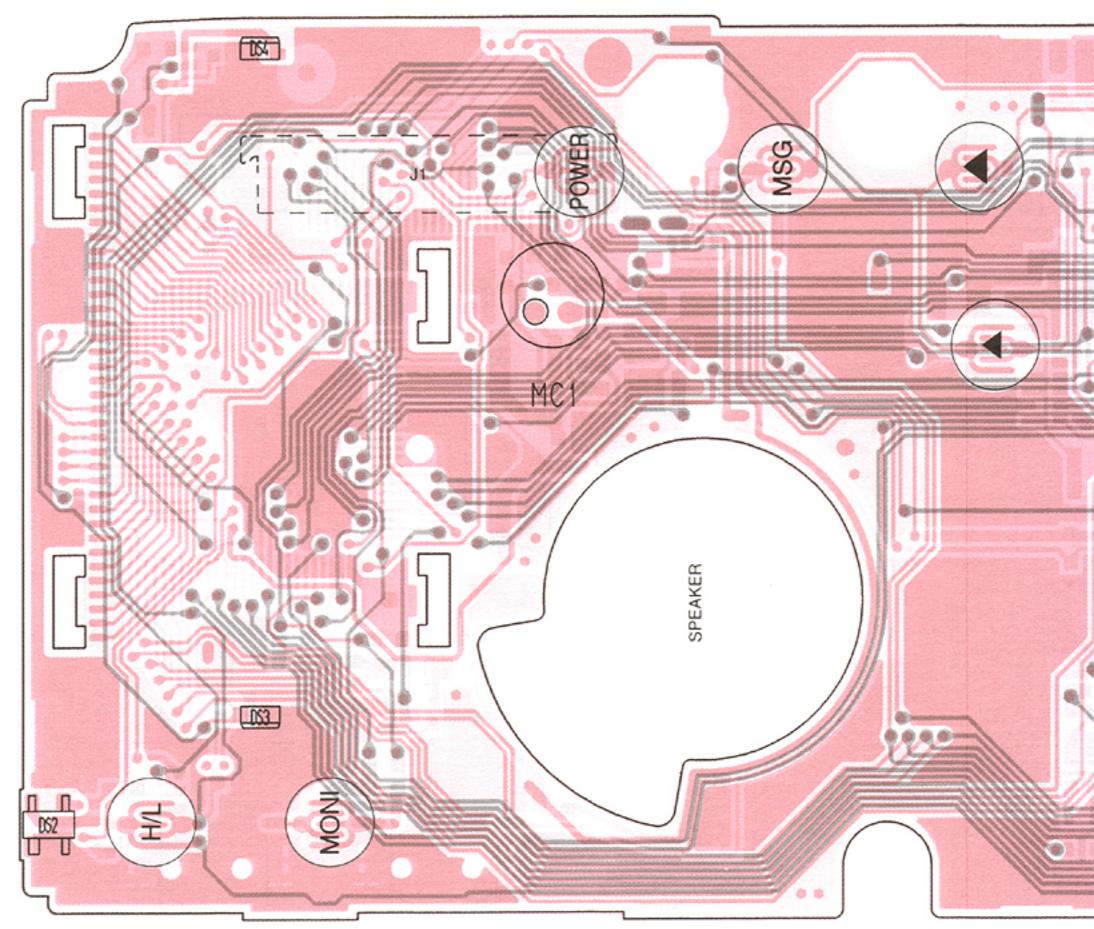
8-2 DIODES

NAME	SYMBOL	INSIDE VIEW
DAP202U	Ρ	
DA221	к	
MA6S121	M2D	K3 K2 K1
SB07-03C-TA	J	
SB30-03P	SG	
HVU350 MA304	4 7R	A □ -►I+ □ K
MA77 MA111 MA728 MA729 MA2S111 MA2S077 MA2S728	4B 1B 2A 2B A S B	a ☐ —→⊢_∎⊐ ĸ
DAN202U	N	

SYMBOL	INSIDE VIEW
M1I	K1 K2 A1 A2
-	RED GREEN

SECTION 9 BOARD LAYOUTS

 9-1 LOGIC UNIT
 LOGIC UNIT (TOP VIEW)

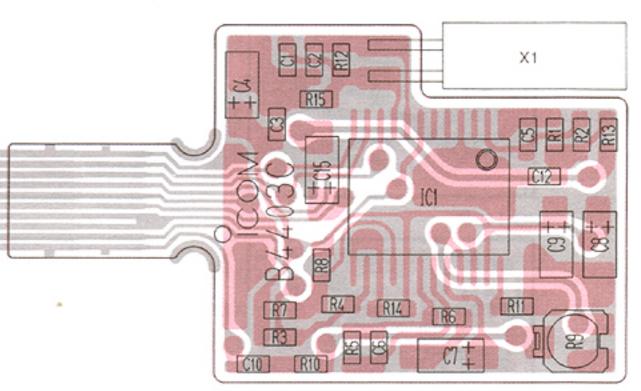




Inside

Underside

• TSQL UNIT (TOP VIEW)

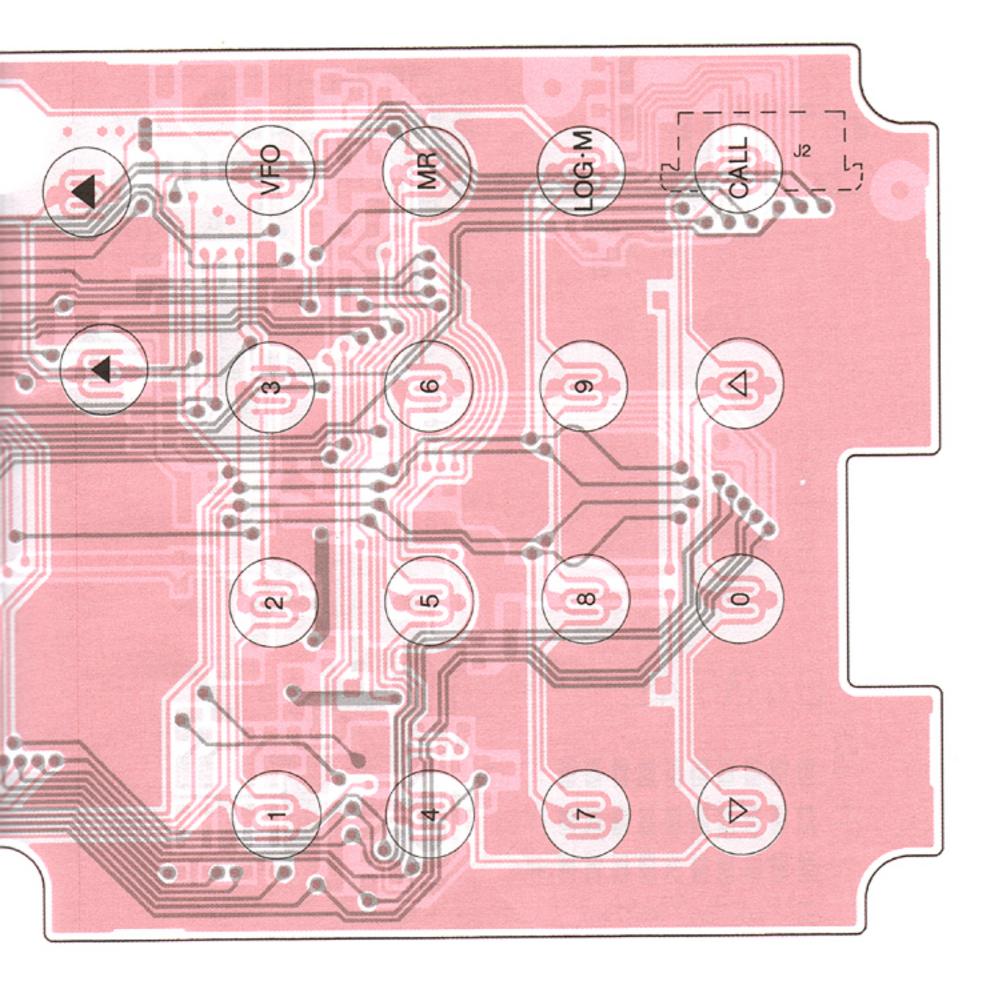




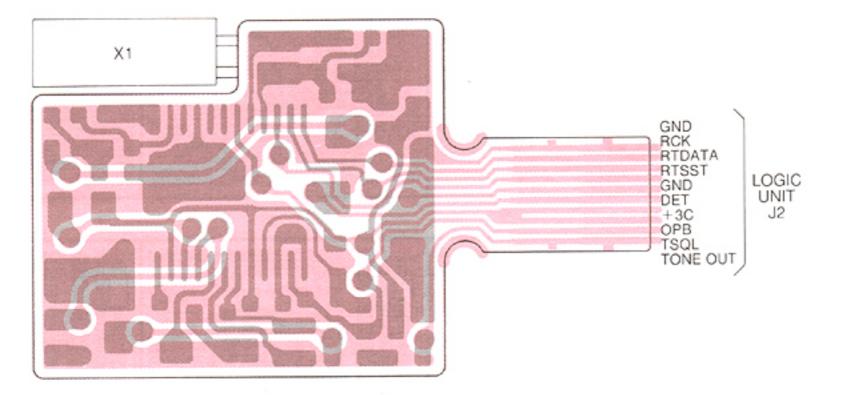


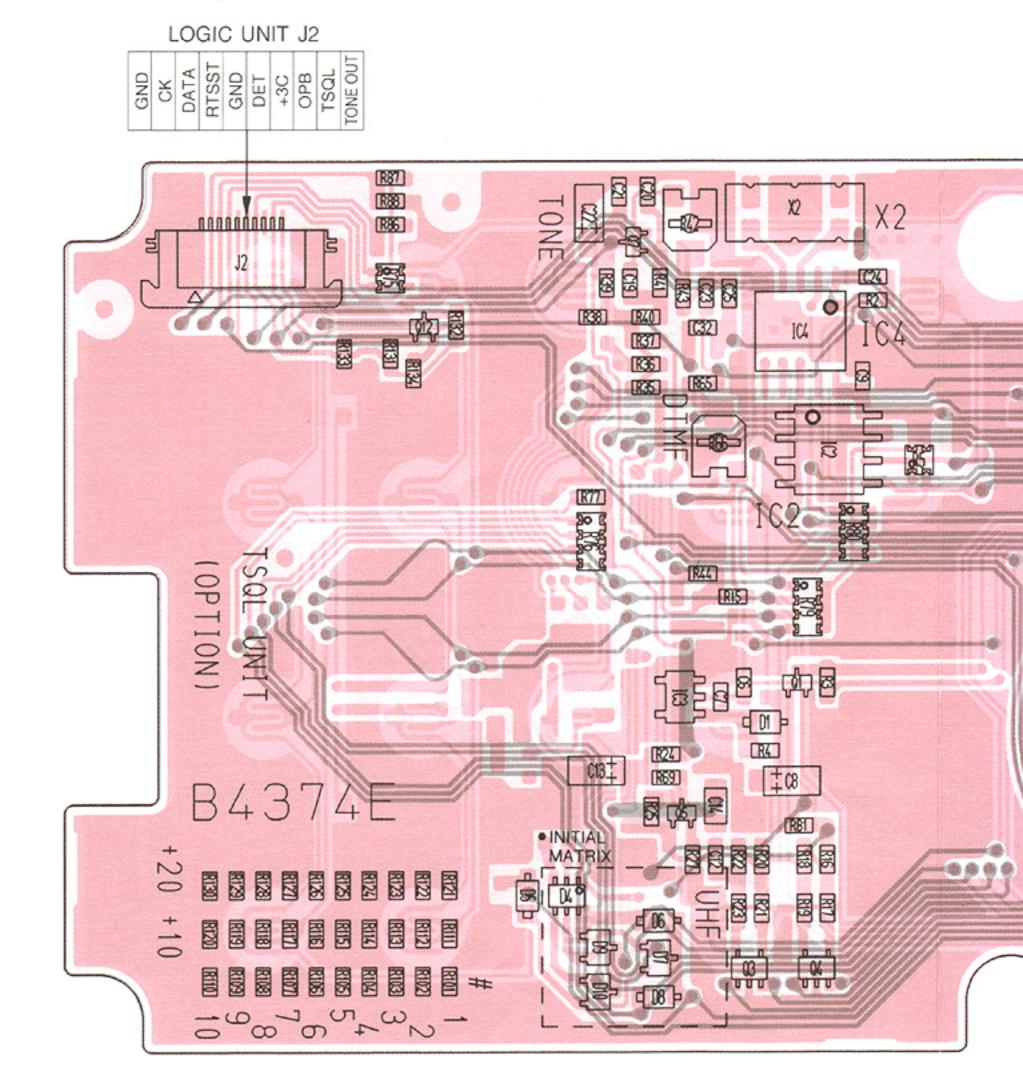


The combination of this page and the next page shows the unit layout in the same configuration as the actual P.C. Board.



• TSQL UNIT (BOTTOM VIEW)



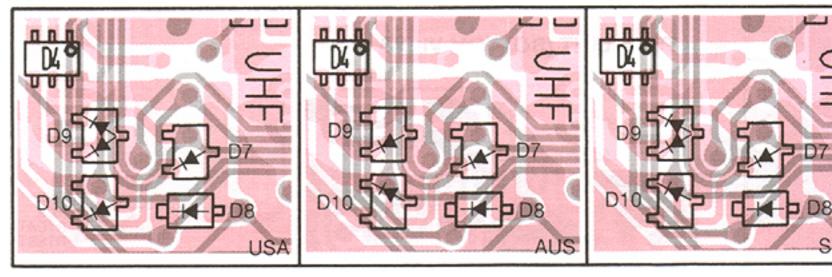


T42

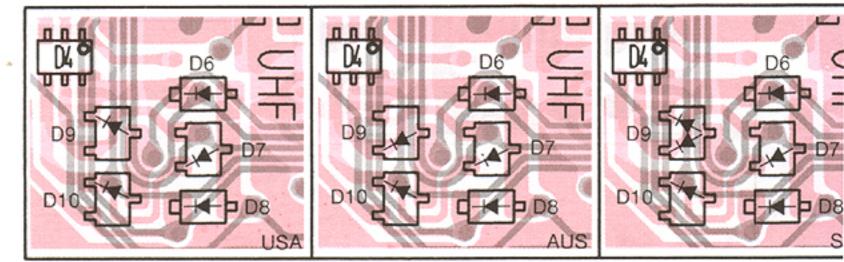
1

INITIAL MATRIX

IC-T22A

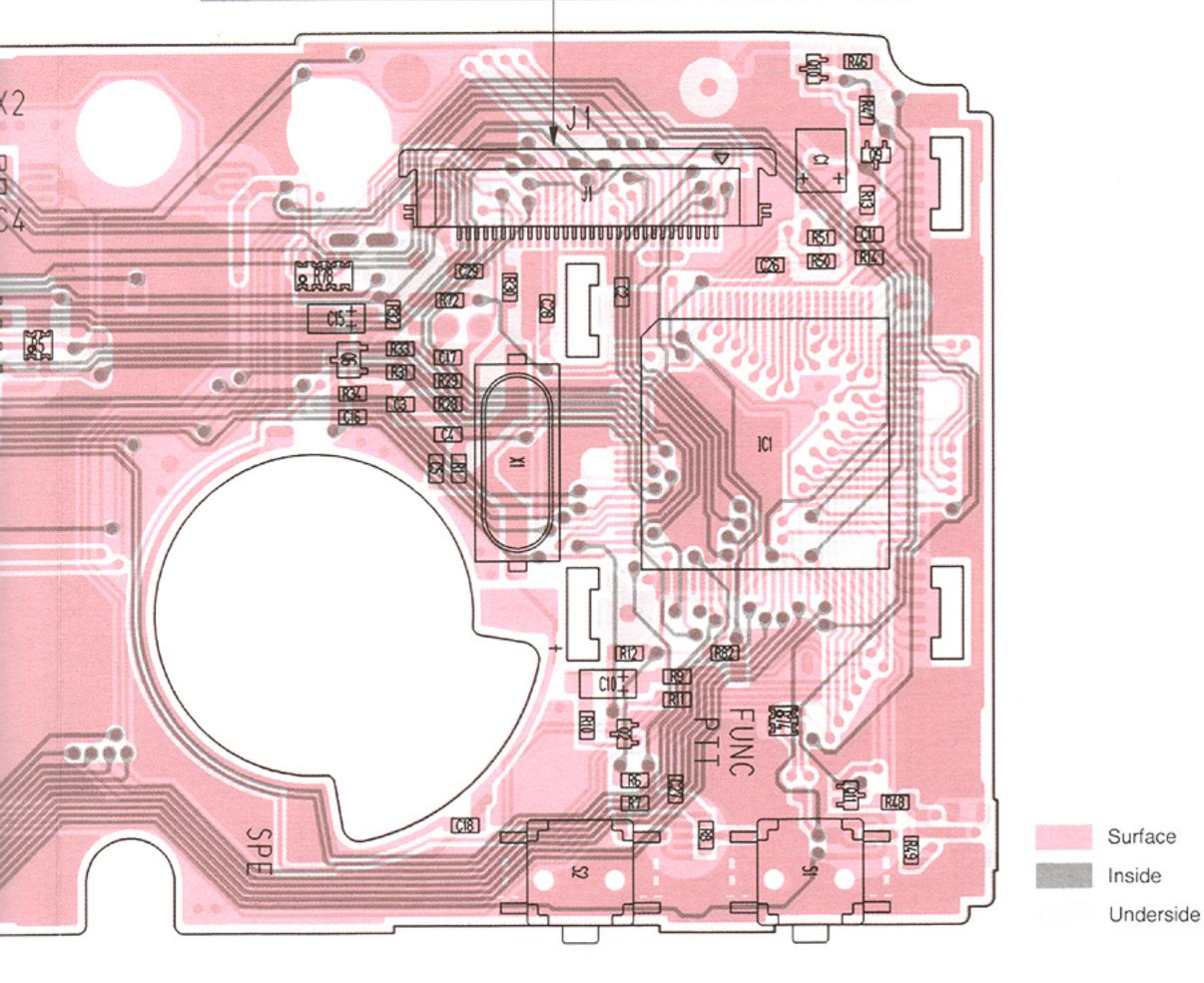


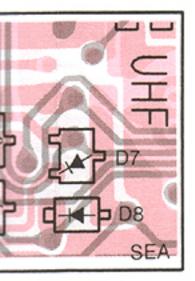
IC-T42A

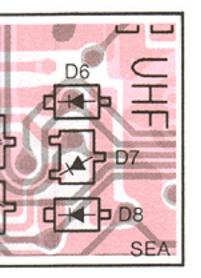


MAIN UNIT J2

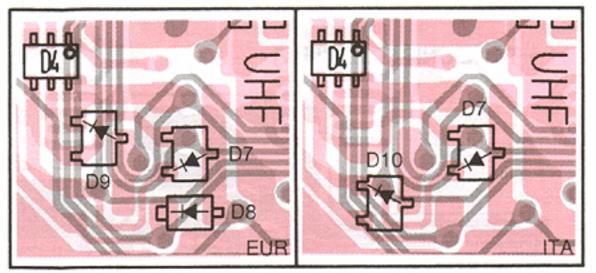
SPE SP GND GND MIC EXTMIC ARX UP UP DCK T4C DEO	$(5 \Box ' T + 5 (5))$	T4 SMETER ULLBUSY AM AM DET DET DET PCON PCON PCON PCON PCON PCON CK
--	------------------------	--



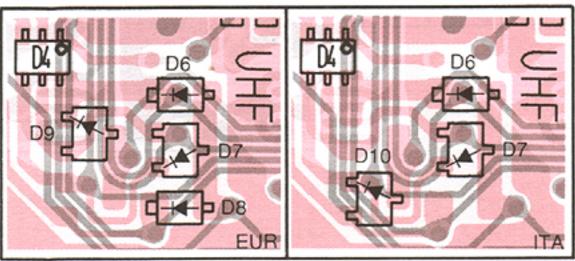




IC-T22E



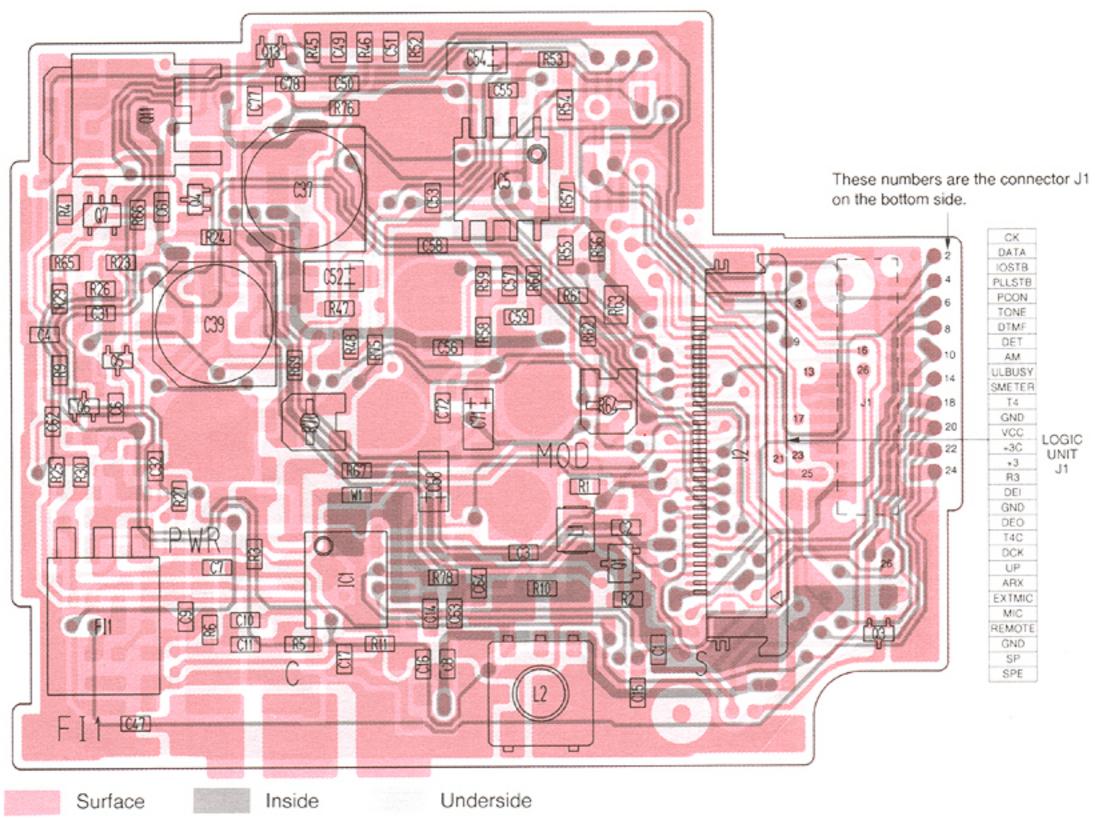
IC-T42E



The combination of this page and the next page shows the unit layout in the same configuration as the actual P.C. Board.

9-2 MAIN UNIT

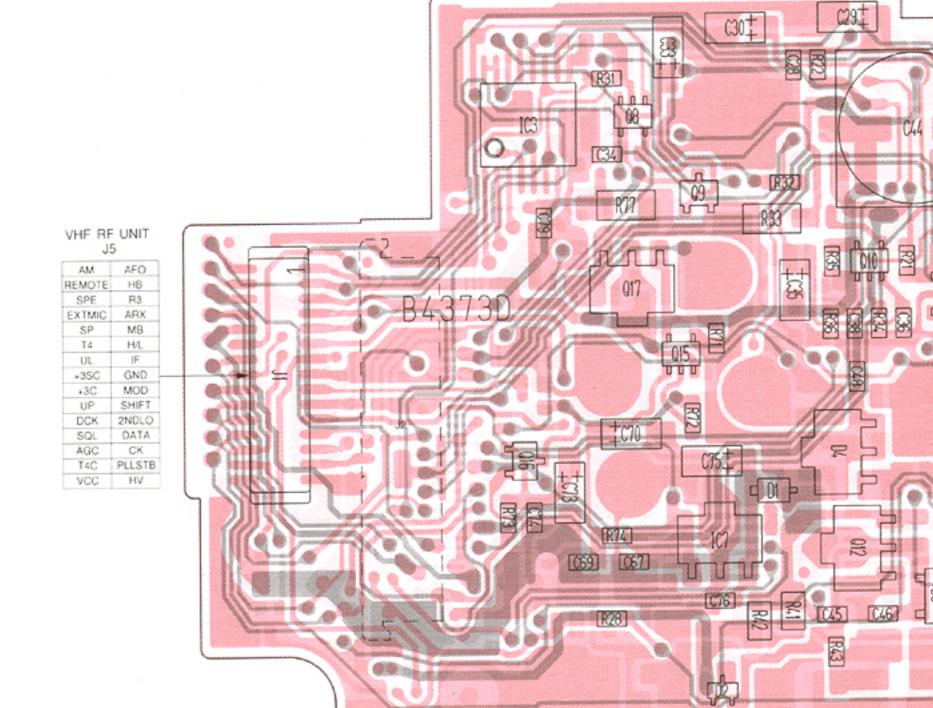
• MAIN UNIT (TOP VIEW)



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MAIN UNIT (BOTTOM VIEW)

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C42+

C43 R40

O

626

C25

102 5

C

9 B

C21

• [R]4] [C20]

27

C12]

R7

C13

R12

Bþ

668

104

RYT (ZI)

8

[R19]

[22]

RI3

R38

(19

106 106 100

88

6



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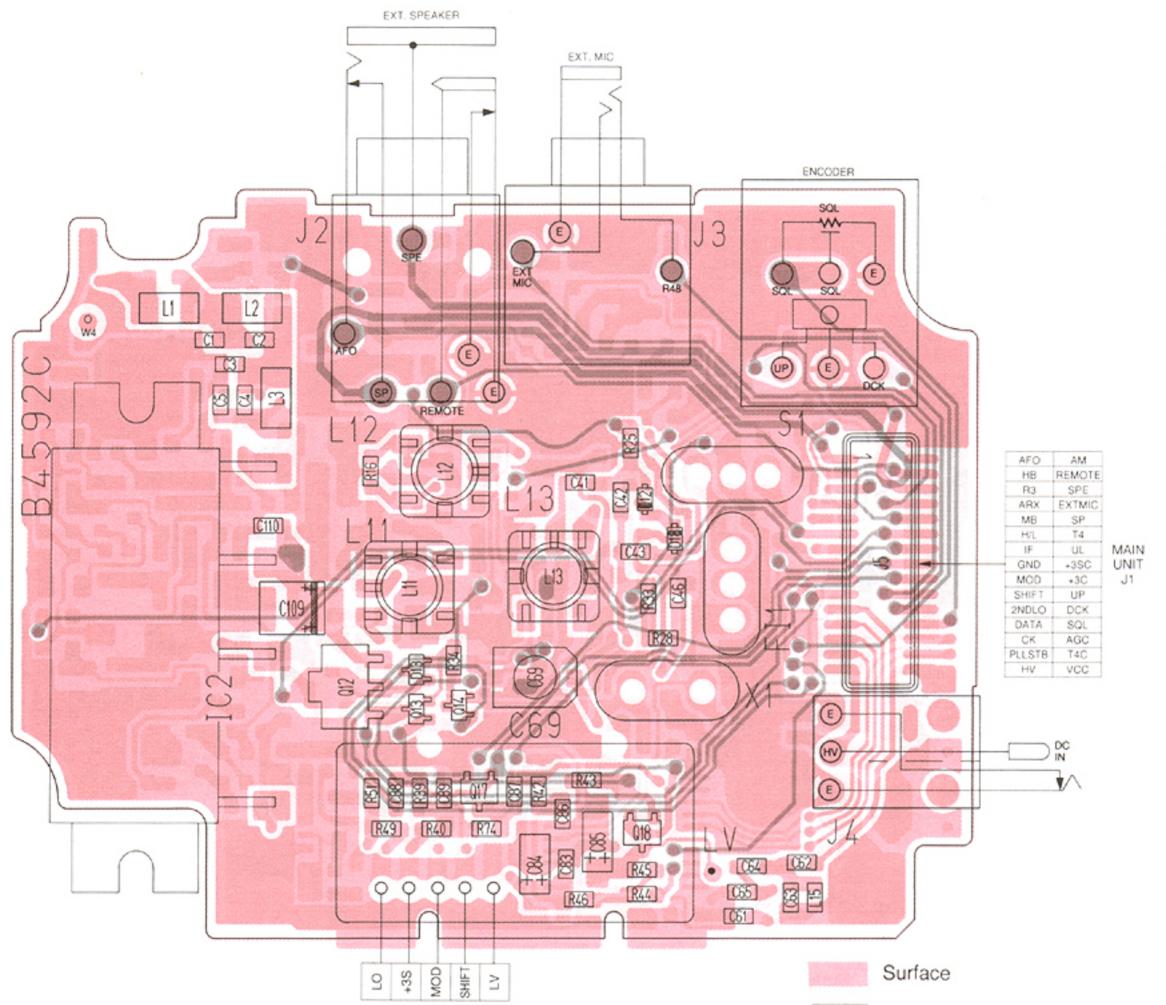
9 - 4

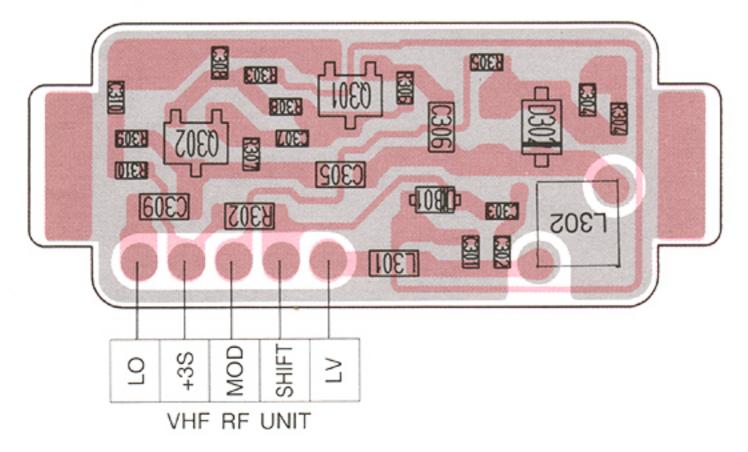
The combination of this page and the next page shows the unit layout in the same configuration as the actual P.C. Board.

T22

9-3 VHF RF UNIT

VHF RF UNIT (TOP VIEW)





9-5

• V VCO BOARD (TOP VIEW)

Underside

V VCO BOARD

Inside

• VHF RF UNIT (BOTTOM VIEW)



Surface Inside Underside

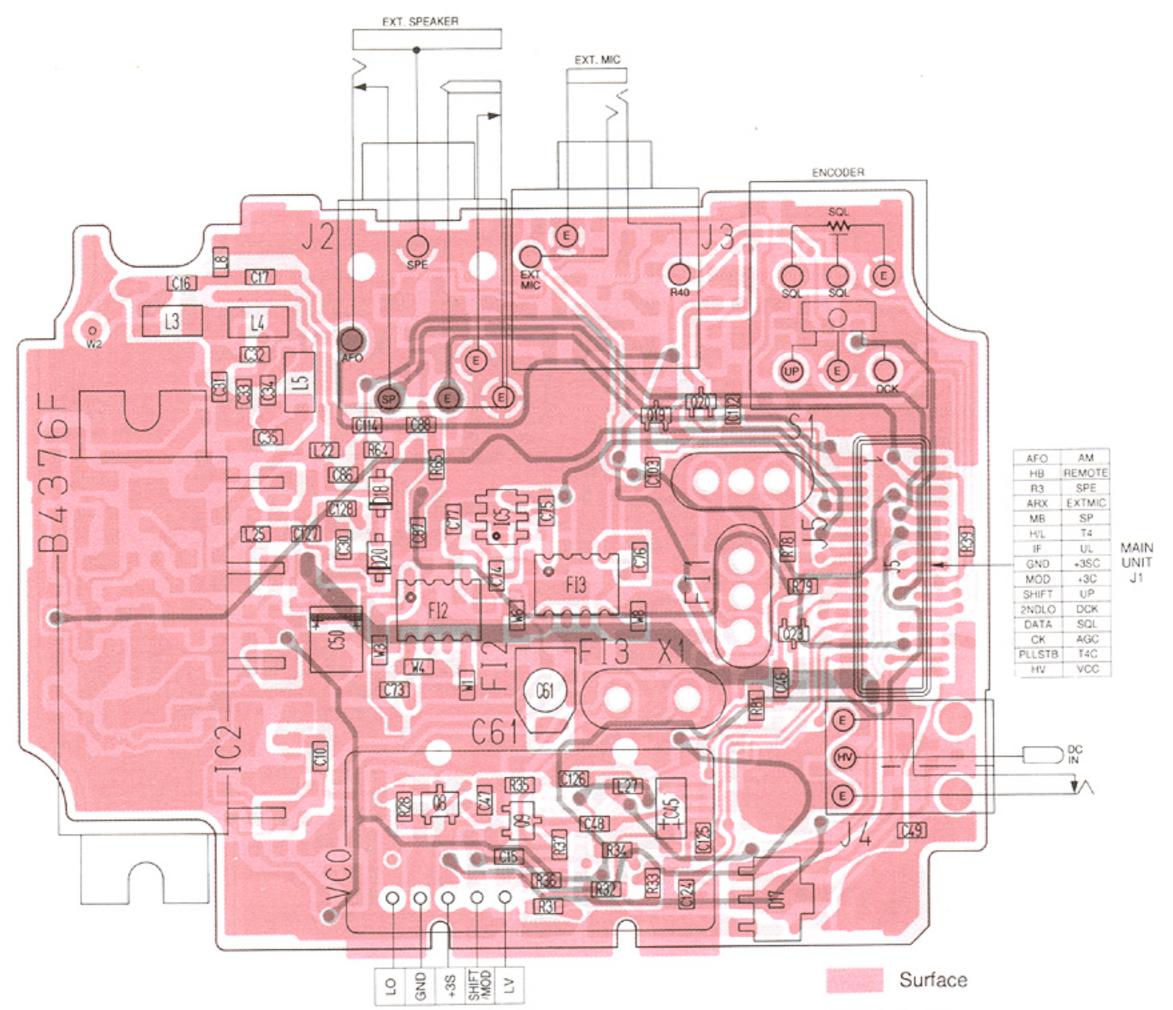
9-6

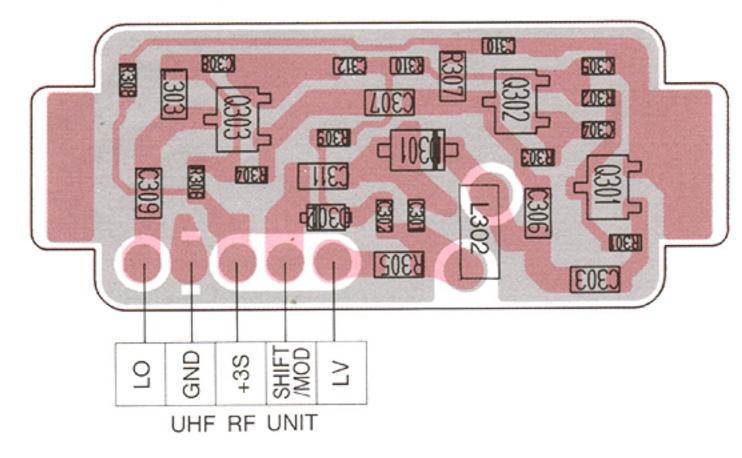
The combination of this page and the next page shows the unit layout in the same configuration as the actual P.C. Board.

T42

9-4 UHF RF UNIT

• UHF RF UNIT (TOP VIEW)



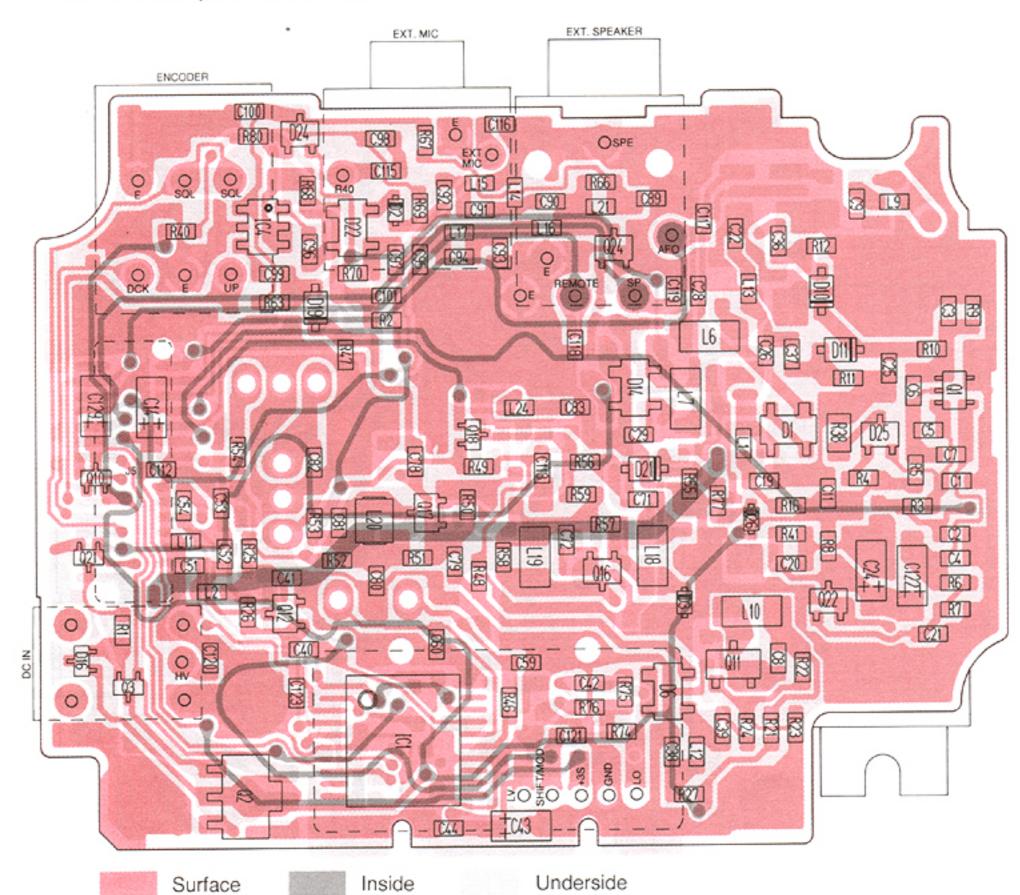


U VCO BOARD

• U VCO BOARD (TOP VIEW)

Inside

Underside



UHF RF UNIT (BOTTOM VIEW)

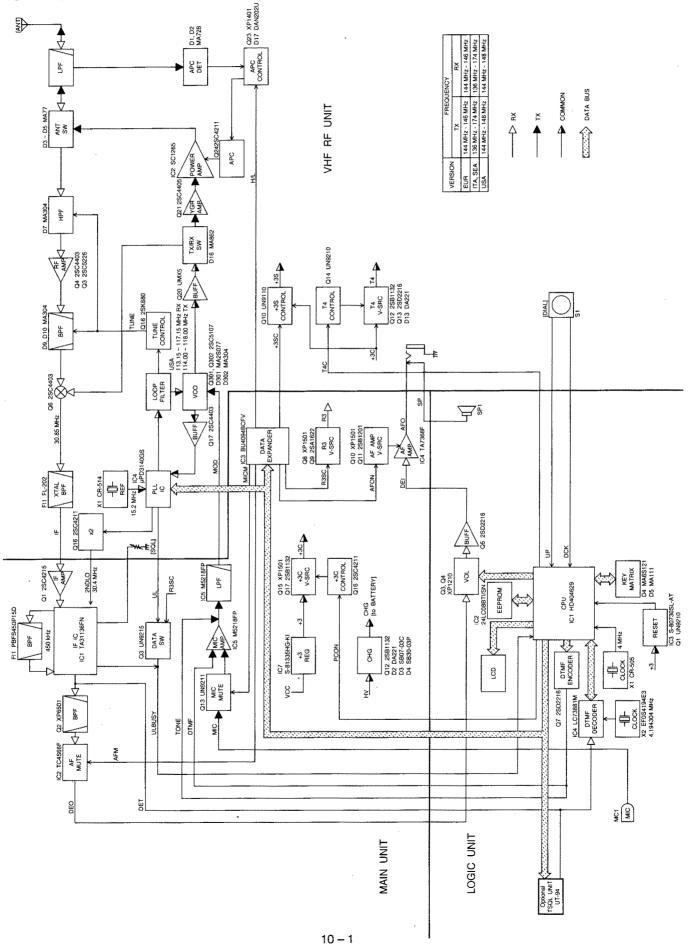
100000

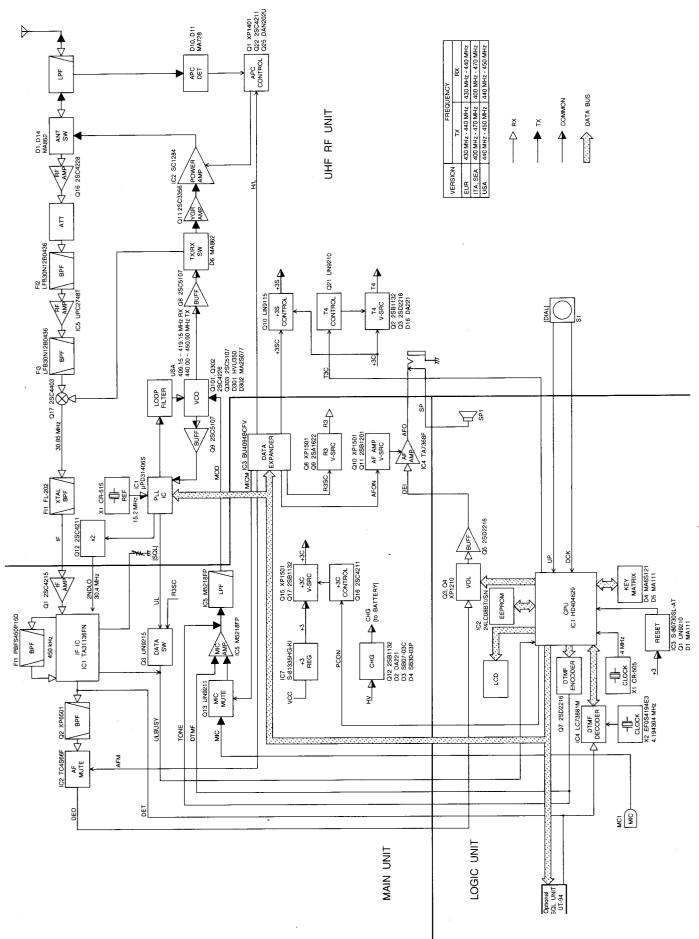
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SECTION 10 BLOCK DIAGRAM

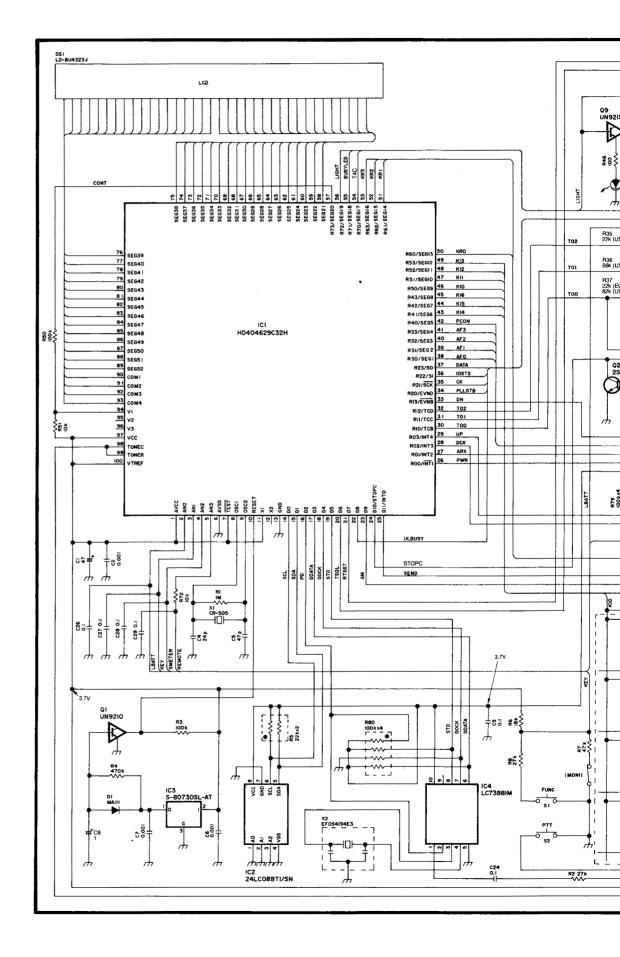
10-1 IC-T22A/E

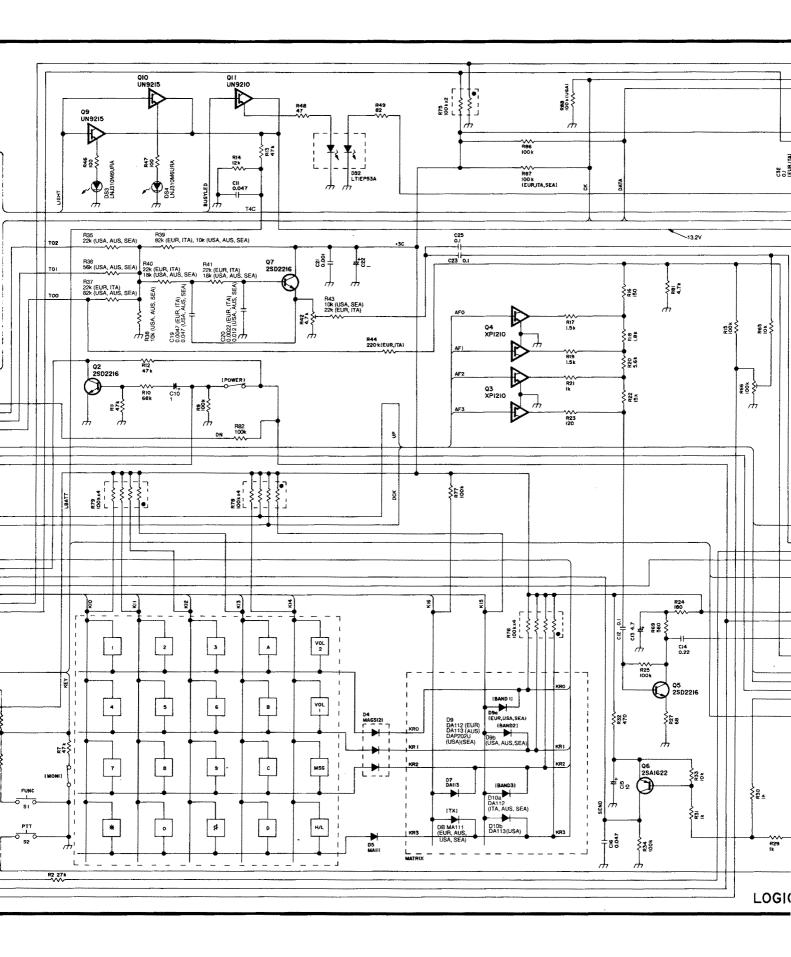


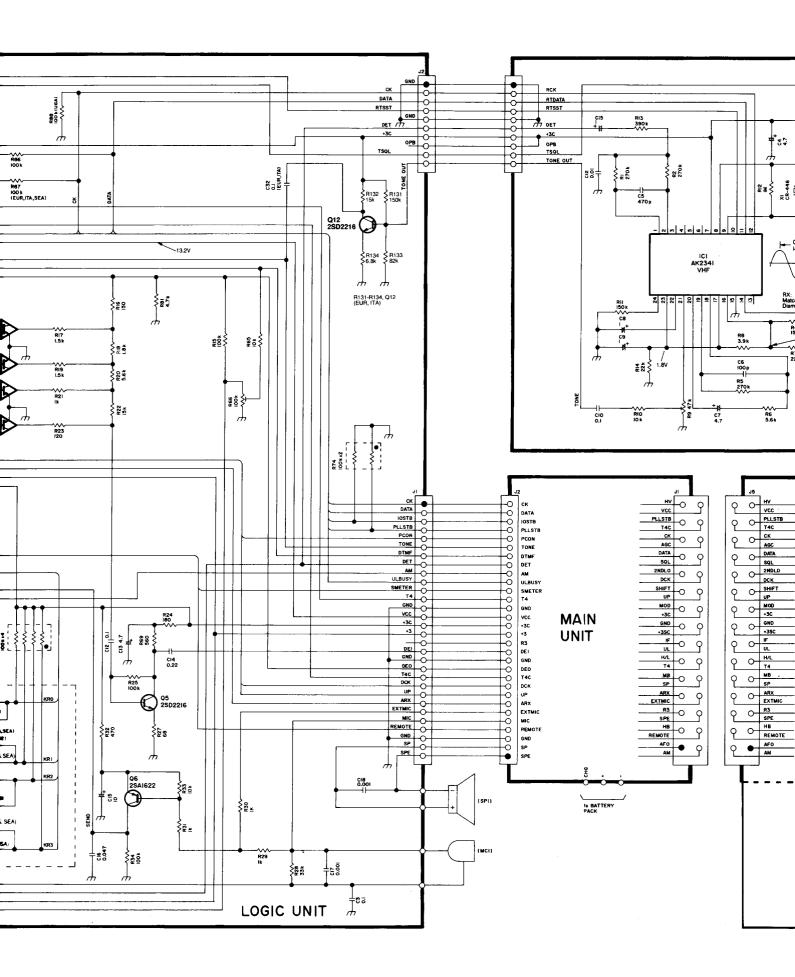


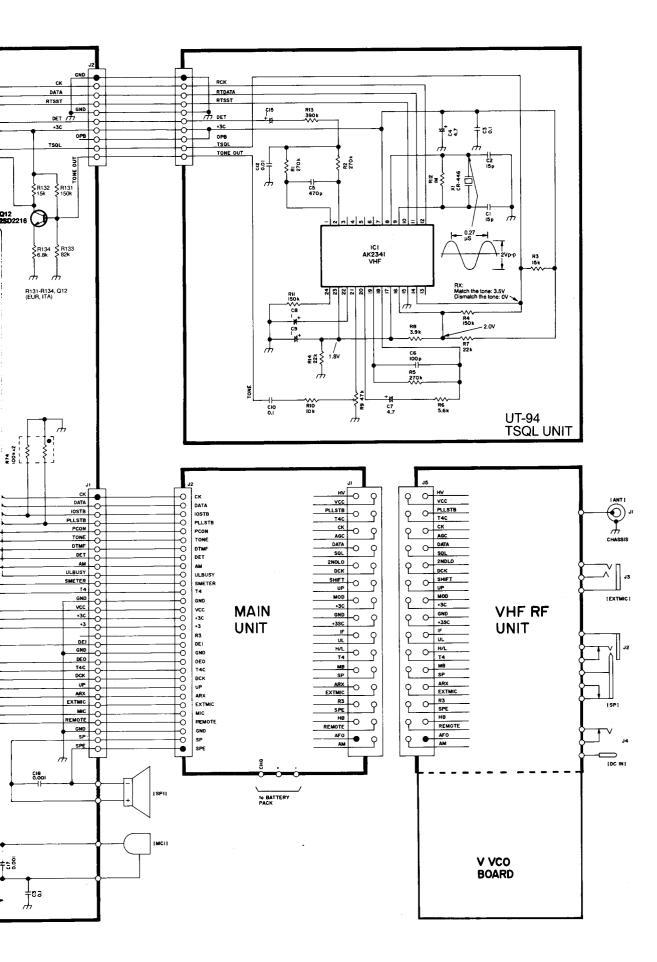
SECTION 11 VOLTAGE DIAGRAM

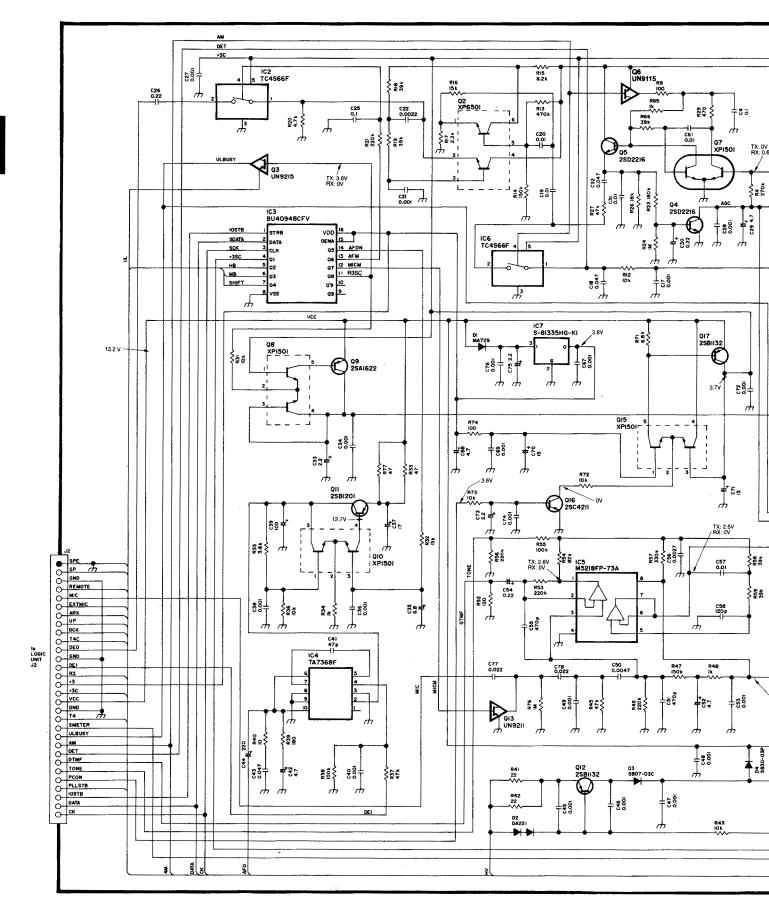
11-1 IC-T22A/E

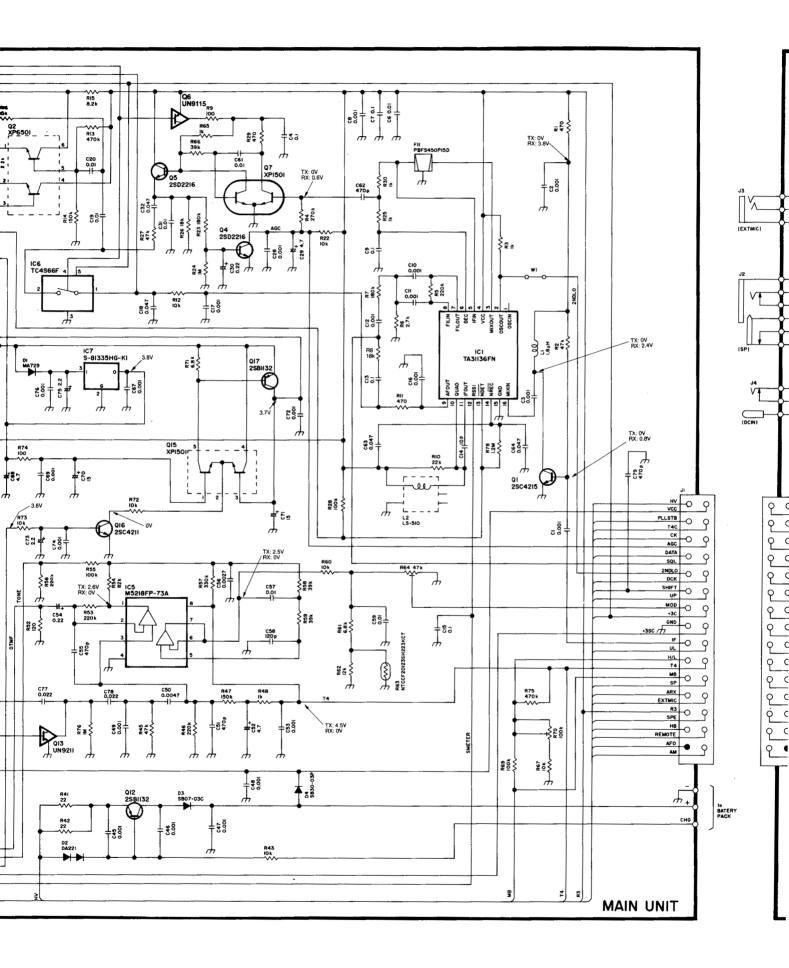


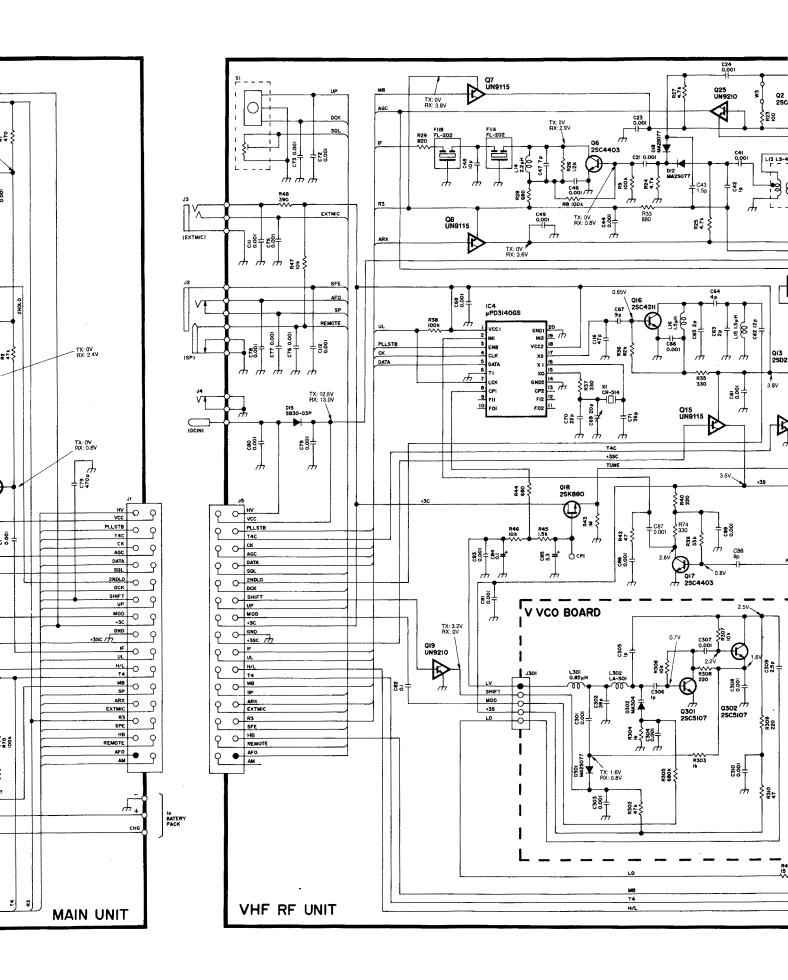


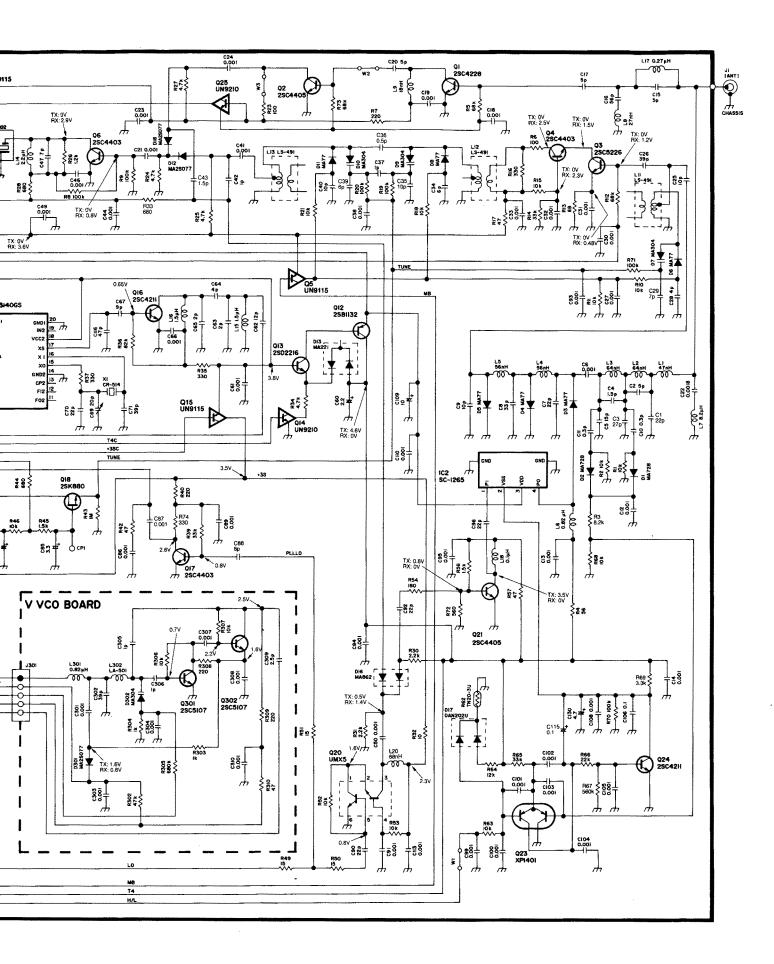


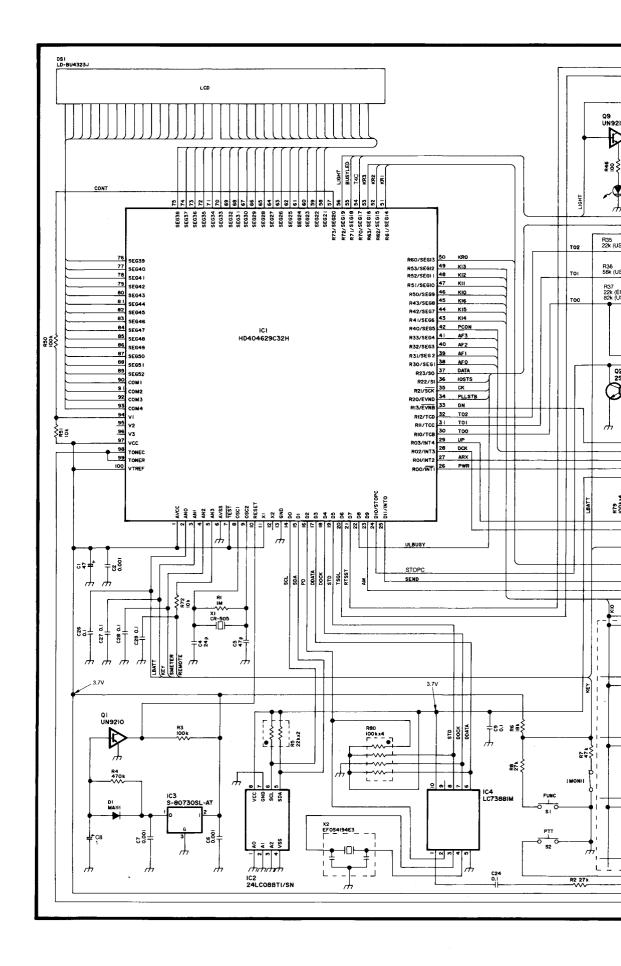


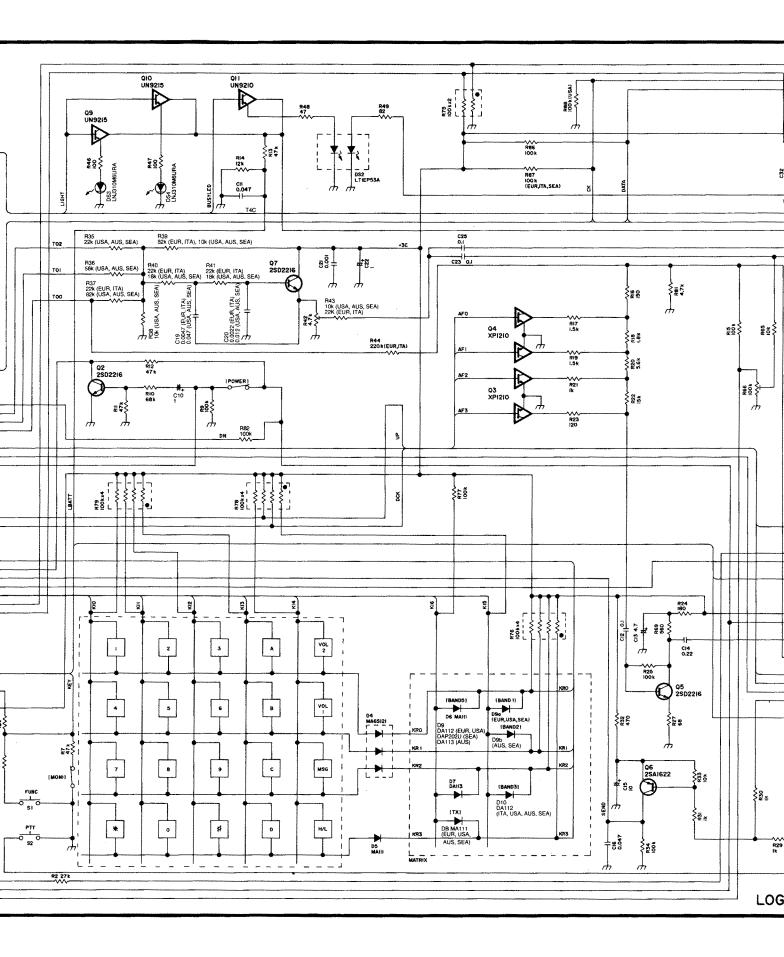


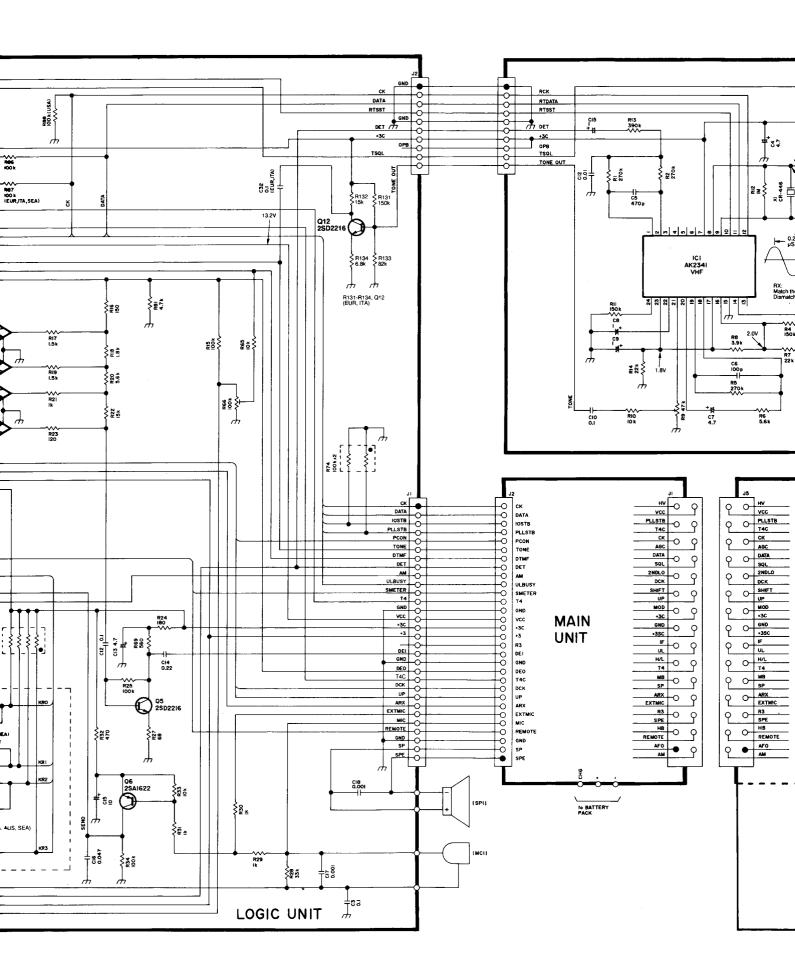


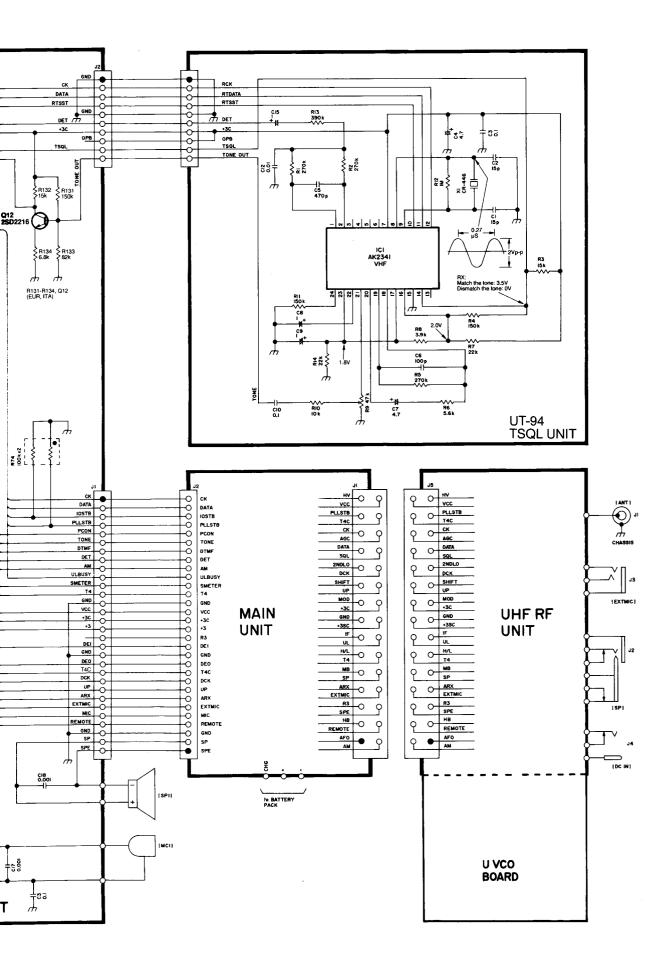




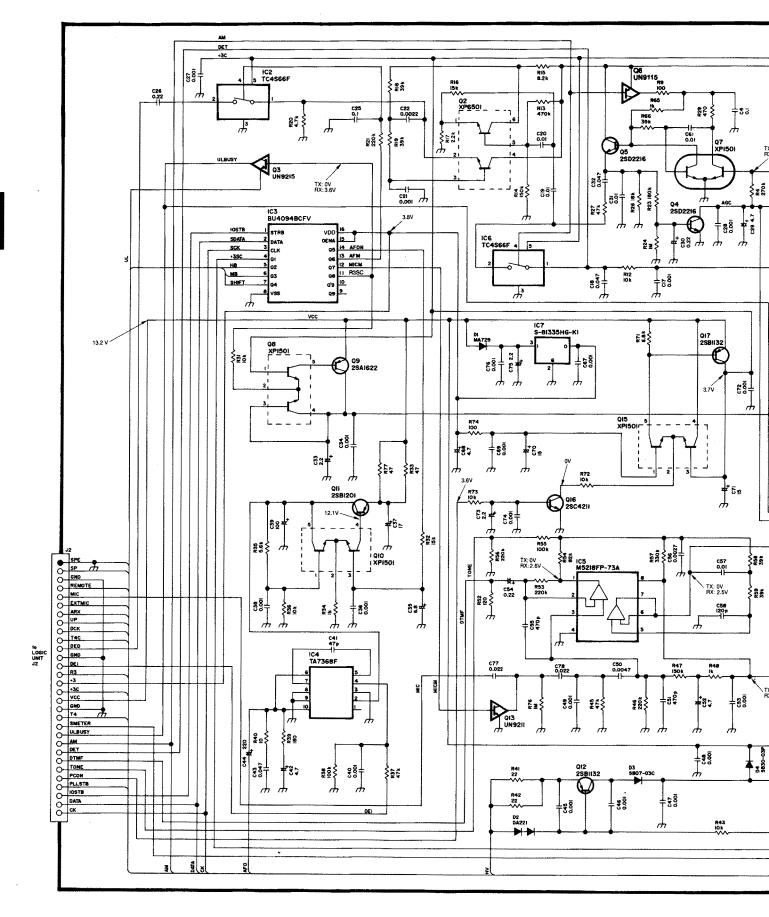




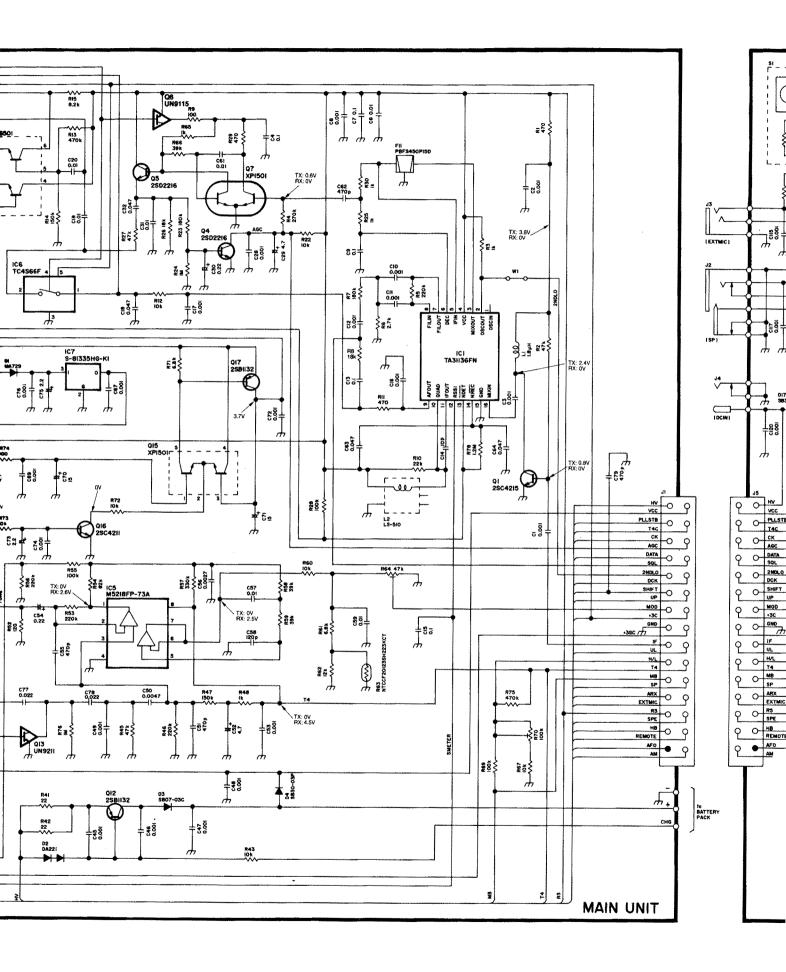


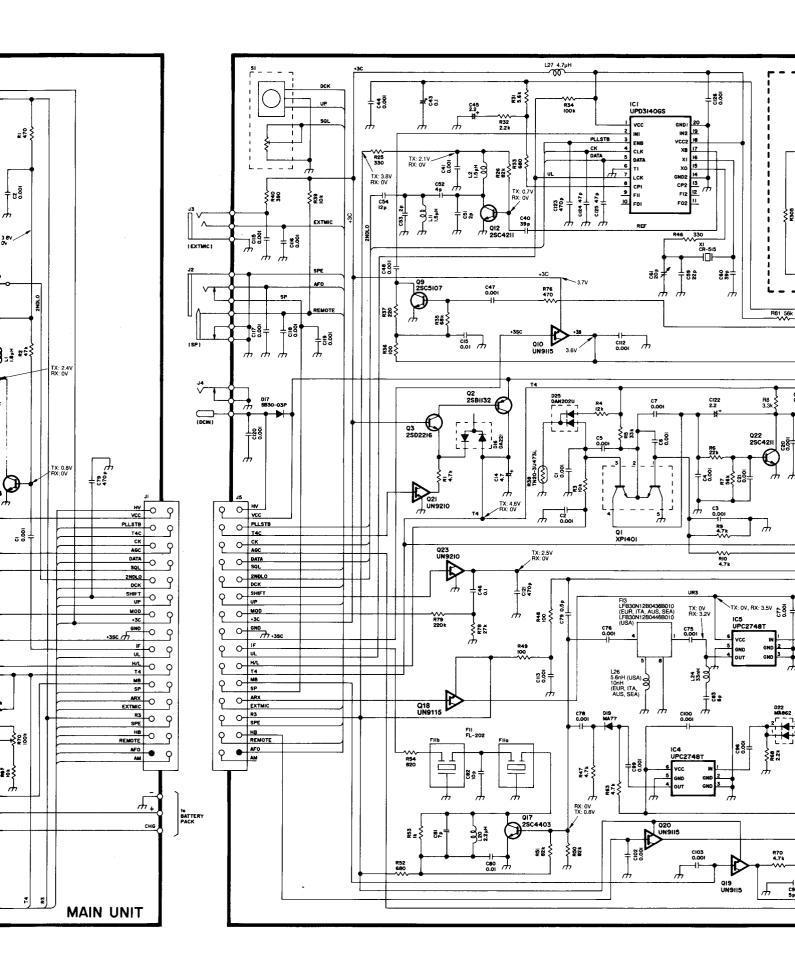


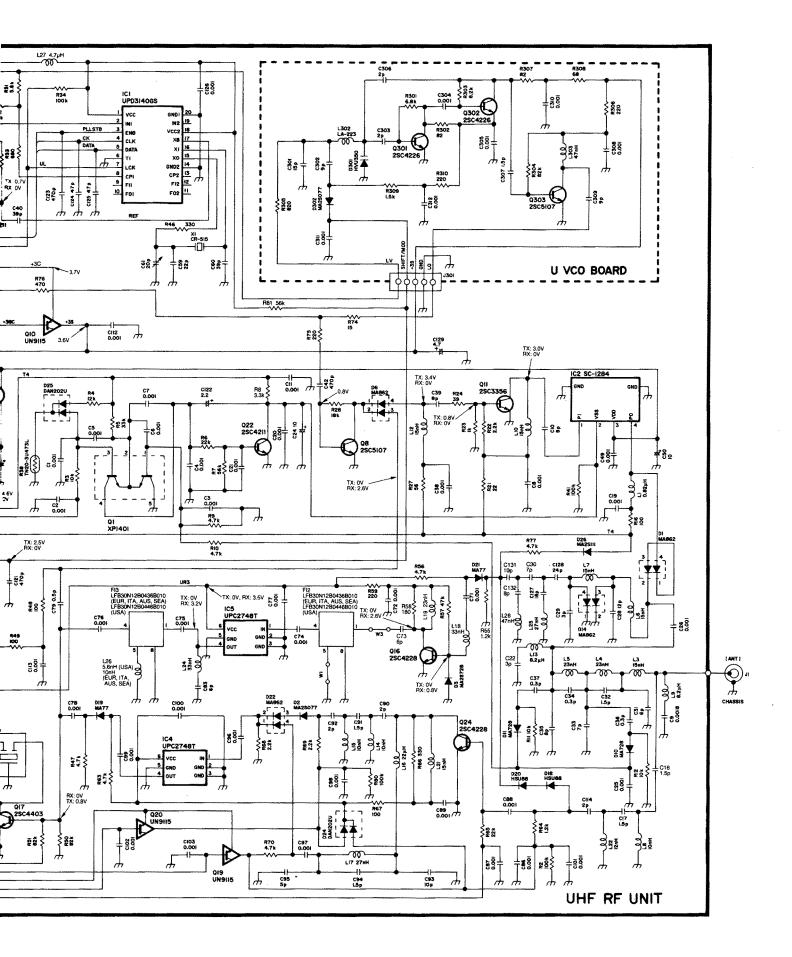
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