### DX-70TH/EH

### (HF&50MHz 100W Version) Service Manual

#### CONTENTS =

SPECIFICATIONS 2
CIRCUIT DESCRIPTION
SEMICONDUCTOR DATA
● EXPLOSED VIEW21
PARTS LIST
ADJUSTMENT
● PC BOARD VIEW46
● PCB INCONNECTION DIAGRAM 57
● BLOCK DIAGRAM58
● CIRCUIT DIAGRAM59
● EDX-1

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# SPECIFICATIONS

### 1) General

Operating mode		J3E (LSB, USB), A1A (CW), F3E (FM)
Number of memory channels		100
Antenna impedance		50Ω unbalanced
Power requirement		13.8V DC ± 15% (11.7 to 15.8 V DC)
Grounding method		Negative ground
Current drain	Receive	1.0A max.
	Transmit	25A max.
Operating temperature		-10°C to +60°C
Frequency stability		± 10ppm (-10°C to +50°C)
Dimensions		178(w) x 58(h) x 228(d) mm
		(1/9 X / 1X 258 mm for projections included)
Weight		Approx. 2.7kg

### 2) Transmitter

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	160m band	1.8000 to 1.9999MHz
	80m band	3.5000 to 3.9999MHz
	40m band	7.0000 to 7.2999MHz
	30m band	10.1000 to 10.1499MHz
Transmit frequency coverage	20m band	14.0000 to 14.3499MHz
(e.g. U.S. Version)	17m band	18.0680 to 18.1679MHz
	15m band	21.0000 to 21.4499MHz
	12m band	24.8900 to 24.9899MHz
4	10m band	28.0000 to 29.6999MHz
	6m band	50.0000 to 53.9999MHz
	100 GOO	100W (high)
Dower Cuthur HE FOMU- bond		Approx. 10W (low)
	AM	40W (high)
		Approx. 4W (low)
	SSB	Balanced modulation
Modulation system	AM	Low power modulation
	FM	Reactance modulation
Spurious emission	HF bands	Less than -50dB (-45dB in 10MHz band)
	50MHz band	Less than -60dB
Carrier suppression		More than 40dB
Sideband suppression		More than 50dB (at 1kHz)
Maximum FM deviation (default)	HF bands	±2.5kHz
(acidada)	50MHz band	± 5kHz
Microphone impedance		2kΩ

### 3) Receiver

Receiver circuitry	rcuitry		Double conversion superheterodyne
Receive fre	Receive frequency range		0.1500MHz to 30.0000MHz, 50.0000MHz to 54.0000MHz
Intermediat	Intermediate frequency		71.75MHz (1st), 455kHz (2nd)
		0.5 to 1.8MHz	0dB (1μV)
	(S/N 10dB)	1.8 to 30MHz	-12dB (0.25µV)
		50 to 54MHz	-16dB (0.15µV)
-	AM	0.5 to 1.8MHz	+20dB (10µV)
Sensitivity	(1kHz, 30% Mod,	1.8 to 30MHz	+6dB (2µV)
	S/N 10dB)	50 to 54MHz	+6dB (2µV)
	FM (1kHz 3.5kHz DEV	28 to 30MHz	-6dB (0.5μV)
	SINAD 12dB)	50 to 54MHz	-10dB (0.3µV)
	SSB, AM (Narrow)		2.4kHz/-6dB, 4.5kHz/-60dB
Selectivity	SSB (Narrow), CW (Standard)	dard)	1.0kHz/-6dB, 3.0kHz/-60dB
Î	CW (Narrow)		500Hz/-6dB, 3.0kHz/-60dB
	AM (Standard), FM		9kHz/-6dB, 20kHz/-50dB
Spurious an	Spurious and image rejection ratio		More than 70dB
Audio output power	ıt power		More than 2.0W (at 8Ω, 10% THD)
RIX/TXIT range	nge		±1.4kHz

# CIRCUIT DESCRIPTION

### 1. Receiving System

#### 1) Filter Unit

a. Antenna Input

The electric charge on antenna is discharged by R501 or R507, and when the voltage exceeds about 300V, the gap in SA501 discharges thereby protecting the receive input circuit.

The input signal from antenna is passed through the HF/50MHz selecting relay RL503, the transmission/reception selecting relay RL502 and the attenuator relay RL514.

The LPF (consisting of L520, C545 and C546) filters out the followings: 2m band image receiving, passing through the First IF (71.75MHz), and leakage of the first local oscillating frequency (72~130MHz) to the antenna terminal.

### b. 50MHz Antenna Input

The receiving signal from the antenna of 50MHz band is passed through the LPF and through the selecting relays RL503, RL514 and RL509, led to HPF. The signal is amplified about 8d8 in Q502. Because the space noise in 50MHz band is less than that in the HF band, its exclusive receiving preamplifier is expected to attain high sensitivity.

The receiving signal of 50MHz or HF is selected in RL509, then after passing through LPF consisting of L521, L522, C547, C548, C555, C556 and C557, the receiving signal is led to the Main unit.

#### 2) Main Unit

a. Front End

The receiving signal output from Filter Unit is fed to Main unit through CN2. HPF, consisting of L19, L20, C47, C48, C49, C50, C51 and C52, eliminates the strong radio signal of MW band of 1.6MHz or below. In case of receiving the signal of 1.6MHz or below, the sensitivity is controlled by the attenuator in R37 and BPF1, also the signal is separated into 1.6MHz, over or below. 5 BPF units consists of 9 filters. Each filter covers the following frequency range. The frequency of 2.5MHz or more consists of Chebyshëv BPF, and under 2.5MHz frequency band is LPF. Two BPF's are installed on the same unit. Not to be influenced so much, the distant frequency band BPF's are combined.

	1.8MHz	3.5MHz	7MHz	10MHz	14MHz	18, 21MHz	24, 28MHz	50MH <sub>2</sub>
BPF1	BPF2	BPF3	BPF4	BPF1	BPF2	BPF3	BPF4	BPF5
- 1.6MHz	1.6 - 2.5MHz	2.5 - 4.5MHz	4.5 - 7.5MHz	7.5 - 10.5MHz	10.5 - 14.5MHz	14.5 - 21.5MHz	21.5 - 30MHz	50 - 54MHz

Passing through BPF, the signal turns ON/OFF in the switching diode, D29 and D30. This preamplifier is the parallel grounded gate operation of Q9 and Q10

(2SK2171), so the unit can obtain a good performance at a high level input signal with low NF.

The wide range frequency from about 1MHz to 60MHz is amplified about 10dB.

This 10dB preamplifier and 20dB attenuator in the Filter unit are combined, then by pressing RF gain switch on the front panel, one of four steps, -20, -10, 0, or +10dB is selected.

The LPF, consisting of L52, L53, L54, C103, C104, C105, and C106, prevents the following first receiving mixer from the local oscillation leaking, and also prevents the first IF and image of the spurious receiving.

The first receiving mixer consisting of Q10 and Q11 is the balanced mixer, in which the local oscillating signal is fed to the gate of 2SK2171.

The 3rd intercept point is about 20dBm, and local oscillator of about 2V P.P is fed

to the gate. The receiving signal is converted into the first IF of 71.75MHz. As the ratio of the spurious interference is decreased in 50MHz band mode, the trap of 71.75MHz consisting of L72 and C107 keeps the ratio of spurious interference 70dB or more in all band.

### b. The First IF Amplifier Circuit

FL1: A and FL1: B are the crystal filters of 71.75MHz. By the combination of two filters, the unit has the characteristics of the band width of 15kHz or more/3dB and the value of guaranteed attenuation of 70dB or more. Here the image ratio is determined 70dB or more (approx. 80dB). The first IF amplifier circuit of Q12 is located between the crystal filters to prevent the loss in the front-end and mutual interference.

The first IF amplifier circuit Q12 decides the sensitivity after passing the mixer. AGC voltage is applied to the second gate.

# c. The Second Mixer Circuit, The Second Amplifier Circuit

DBM (Double Balanced Mixer) consists of L14, D7 and L16. The signal is passed in the opposite direction while receiving or transmitting in this DBM. Approximately OdBm is fed as the second local oscillating level, and the third IP is approximately 10dBm.

The receiving signal (71.75MHz) and the second local oscillating frequency (71.295MHz) is mixed, and unwanted signal is eliminated in LPF consisting of L17, L73 and C36, then the signal of 455kHz is generated. After passing through the switching diode D8, the signal is amplified in Q22. The source of Q22 is controlled by the output of the noise blanker circuit.

#### d. IF Filter

After passing through the transmission/reception switching diode D9, the signal is led to one of three ceramic filters of 455kHz. The selectivity is decided here except CW narrow.

 SSB, AM-NARROW
 FL3(CFJ455K5)
 2.4kHz/-6d8
 4.5kHz/-6dB

 SSB-NARROW, CW
 FL2(CFJ455K8)
 1.0kHz/-6dB
 3.0kHz/-6dB

 FM, AM
 FL4(CFW455G)
 9kHz/-6dB
 20kHz/-50dB

Each filter has 4 switching diodes (D3~D48) in front and rear to isolate the liher. The isolation is required the value of guaranteed attenuation of each filter (approx. 70dB) or more. The diode connected in parallel in front and rear of no used filter is

short and the diode connected in series is open. The combination of open and short is used to get the high isolation.

The modes, transmission/reception and wide/narrow of this filter are selected by Q36~Q46, D79, D80, D82, D83, D84.

### e. The Second IF Amplifier Circuit

After passing through the filter, the signal is led to the transmission/reception switching diode D49, and amplified in Q23 and Q24, then buffered in Q25. The AGC voltage is applied to the second gate of Q22, Q23 and Q24. The output level of Q25 is fixed because the AGC voltage is added to the receiving signal.

This output signal is used for the demodulation in SSB, AM and CW modes and AGC detection.

In the FM mode, after passing through the transmission/reception switching diode of D49, a part of receiving signal is fed to IC7(MC3357) from C221, then it is IF—amplified and demodulated. C214 is connected in parallel to the feedback resister R182, and the resister is de-emphasized. Even in the FM mode, Q23, Q24 and Q25 are active, also AGC is operated.

### f. Demodulation Circuit

In SSB and CW modes, the following local oscillating frequency is supplied from PLL unit to IC3 balanced mixer, then the signal is demodulated.

The receiving signal is fed to Pin1, and local oscillation Pin3, then picked up the demodulation output of approximately 100mV from Pin7.

USB 466.5kHz +1F SHIFT LSB 463.5kHz +1F SHIFT CWU 455.8kHz +1F SHIFT CWL 454.2kHz +1F SHIFT

The output is led to the switching circuit of each mode, and to the CW audio filter.

In FM mode, the signal is demodulated and de-emphasized in above-mentioned IC7, then led to IC5.

### g. CW Audio Filter

IC4 is the active filter, which consists of the combination of low-pass filter and highpass filter in the operational amplifier. It has the band width of about 600Hz (-6dB) centering the frequency of about 800Hz.

## h. AF, AGC Time Constant Selection

IC5 is the analogue multiplexer which has 2 circuits with 4 contact points, and switches the demodulation output in every mode and AGC time constant. The voltage combined in D55 and D56 is input to Pin9 and Pin10, then the output of IC3 (SSB, CW-W), the modulation output of FM/AM and CW audio filter output (CW-N) are selected. The voltage of 8V is applied to Pin6 (INHIBIT) when transmitting, and the modulation output is turned OFF unconditionally.

#### i. AF Amplifier

The voltage that can pass through the analogue switch of IC5 is very low. The voltage is amplified approximately 20dB in IC12: B to get higher AF input vottage to following IC13 (voltage controlled electronic volume). Also a part of this output is picked up and output to Pin6 of microphone as non-squetched audio output. This output is used as the terminal of packet, RTTY, SSTV, etc.

### J. Electronic Volume, AF Amplifier

IC13 is the dual electronic volume controlled by the voltage.

The volume is controlled by the AF GAIN VR on the front panel. Pin5 is the control terminal. The value of the attenuation is the minimum when the control voltage is about 3.4V, and the value is 90dB or more at maximum when the control voltage is about 3.4V.

One of the circuits is for volume control of the demodulation sound, and the other for the volume control of the beep and sidetone. The beep and sidetone can be heard even if the volume is set to the minimum point and sound tone is related with AF GAIV VR.

The squelch circuit (IC14:A, Q14) controls Pin5. The output of IC14: A activates to close the squelch when transmitting, so Q14 is turned OFF in D85 to control the volume of the sidetone.

The receiving sound is fed to Pin6 and applied from Pin7. As for the beep and side tones, Pin2 is for input and Pin1 for output. These two outputs are combined with the input of LPF amplifier IC12.A. The high tone noise that is generated in IF amplifier is decreased by LPF amplifier.

The output of IC12: A is attenuated in R309 and R310 to get the same level with IC20, and also to decrease the noise. IC20 is the AF power amplifier which can get the output of 2W or more (THD 10%) at 8 $\Omega$  load. The ripple filter consists of Q51 and C260.

k. AGC

The AGC voltage is supplied one stage to first IF amplifier and three stages to second IF amplifier. These IF amplifiers consist of 3SK131. AGC voltage is applied to the Gate2. The IF amplifiers are designed that the gain is changed linearly corresponding to the AGC voltage.

D53 and D54 are the rectifier, and Q26 is DC amplifier. D50, the anode is set to about 2V in R176, D110, D111 and R177. Usually AGC voltage is applied 2.4V. The strong signal rectifies D53 and D54 resulting in DC voltage. Q26 decreases the AGC voltage.

When AGC-FAST is selected in SSB/CW mode, C205 and C206 are connected between 5V and AGC line in parallel. The attack time of AGC is determined in R167 and C206, then the release time is determined in R168 and C206. The characteristics are "fast attack" and "slow release". In case of AGC-SLOW, the analogue switch IC6 is turned ON, then R175 and C287 are connected in parallel. The release time is lengthened because of C287. In case of AM, C206 is connected in parallel, then the attack time is delayed, which is the average type. D110 and D111 is the thermal compensation of D50.

In receiving AM, AGC is the average type not to follow the modulation.

### 1. S Meter, Squelch

The output of Pin1 and RF meter output are combined in the clode, then it is sent to the front CPU to display the meter. The output signal of Pin1 is fed to Pin6 of IC14:A. The voltage of Pin5 is determined by the squelch VR of front unit. Comparing with this voltage, the squelch is opened or closed.

While the check operation the CPU output decreases the voltage of squelch VR in front side to open the squelch forcedly. The squelch output controls IC13, at the same time it is provided to the front unit to light RX LED and led to CPU unit.

### m. Noise Blanker Circuit

This circuit eliminates the pulse noise of a car, etc. Because the noise emitting time is short, in this duration the operation of receiver is stopped to prevent the unit from emitting a noise. The pulse noise is delayed when it is passed through the narrow band filter, and the emitting time becomes longer. It makes difficult to eliminate the noise, so it is necessary to eliminate the noise in the earlier stage. A part of the second mixer output, whose band width is limited, is amplified in Q20, Q19, Q18, and Q16. The signal is detected in D33 and D34, and the AGC voltage is applied to Q19, Q18 and Q16.

The charge time constant of this AGC is determined by R82 and C128, and also the discharge constant is determined by R81+R82, C128. The voltage of AGC does not rise suddenly because of the charge constant, so that this voltage is not applied to almost all the short signals such as pulse noise, but is applied to the continuous signals such as receiving signal and amplifier gain is decreased. While emitting the pulse noise, the AGC voltage does not follow the pulse noise, so the detected voltage is high, then Q15 is turned ON in that time.

On the contrary, as for the continuous signal, the detected voltage of D33 and D34 is fixed by AGC, so Q15 is turned OFF because of the emitter bias of R85 and

Manney Q15 is turned ON only the time of the pulse noise, then Q21 is turned OFF. The source of IF amplifier of Q22 is biased through R98 and R102 so that the gain is decreased and the signal is blanked. When the emitter of Q15 is biased to high, the Noise Blanker is turned OFF.

### 2. Transmitter System

#### 1) Main Unit

a. Microphone Amplifier

The input signal from microphone is amplified by the low noise amplifier Q56 through the mic gain VR1. It is possible to bias (8V) the microphone terminal with R388 for the microphone which needs the power supply. (solder bridge) In SSB/AM mode, The gain of IC21 (approx. 15dB) is determined by R329 and

In FM mode, R330 is connected to R320 in parallel by Q55, then the gain is increased approximately 34dB. Also the cut off frequency is risen, and the signal is pre-emphasized and operated as a limitter.

In the SSB/AM mode, C345 and R384 are countected to the feedback circuit by Q63 when the speech compressor is turned ON. The gain is increased about 154B, then IC21:B is operated as the limiter.

When the speech compressor is ON, the low frequency is cut by C345.

In FM mode, the gain is risen enough, so the speech compressor has no effect. The output of Pin1 of IC21: B is attenuated in R326 and R325. The subaudible tone from PLL unit is applied through R325. (When the Tone is ON.) IC21: A is LPF amplifier that is the Splutter filter in FM mode, and it is operated for

This signal is output to PLL unit as the FM modulation, and output to the balanced modulation of IC2.

speech compressor.

The output to IC2 is muted by Q54 in CW/FM mode.

### b. Balanced Mixer

IC2 is the balanced mixer, and the carrier is suppressed in SSB mode. To get more ratio of carrier suppression, the balance adjustment of VR3 and VR4 are applied.

The carrier is necessary in CW/FM/AM mode, so the input of Pin1 is made unbaranced by applying the DC voltage to obtain the carrier.

By applying the DC in AM/FM mode, or by keying in CW mode, the balance is broken to obtain the carrier wave. VR11 is used for the adjustment of carrier level. In the AM mode, the DC and modulation is added simultaneously. In SSB mode, the modulation is added by R317. In AM mode, D93 is DC-biased and tumed ON. Then the attenuator consisting of R317 and R393 limits the modulation.

c. IF Filter

After the output of IC2 increases the impedance in C177 and L77, it is passed through D49 and led into band limit IF filter. D52 is isolated highly by connecting to the output in parallel at receiving. In SSB mode, the output is DSB signal. (Double Side Band)

The filter is switched by the selection of above-mentioned diode switch. The signal is passed through the following filer in each mode.

228	FL3(CFJ455K5)	2.4kHz/-6dB	4.5kHz/-60dB
Š	FL2 (CFJ455K8)	1.0kHz/-6dB	3.0kHz/-60dB
FM, AM	FL4 (CFW455G)	9kHz/-6dB	20kHz/-50dB

SSB is obtained by eliminating one of side bands of DSB through the filter.

## d. IF Amplifier, The Second Mixer

through the second mixer in the opposite direction of the receiving, then the signal After passing through the filter, the signal is led to D37, Q7, and D6, and passed of 71.75MHz is obtained. Q6 operates the CW keying.

The voltage of ALC is added to the second gate of Q7.

FL1: A and FL5. The signal is amplified in Q5, passed through FL5, then led to the The local oscillating signal of 71.295MHz and unwanted signal are eliminated in balanced mixer of Q3 and Q4.

### e. The First Transmitting Mixer

This mixer is the balanced type, and the unwanted signals (IF and local oscillating signal) are decreased. The best operation is selected by biasing the second gate. To decrease the spurious, the signal is balanced in VR1.

#### Power Amplifier

Passing through the mixer, the transmitting signal which has the desired transmitting frequency is passed after switching the LPF for HF band or BPF for 50MHz band. The unwanted signal and especially the leak of local oscillating signal is decreased as less as possible.

The signal is amplified up to 0~3dBm in Q1. T notch filter consists of C1, C2 and L1. It is tuned to approximately 45MHz while using 50MHz band to decrease the spurious signal. Then the signal is supplied to PA unit.

#### 2) PA Unit

### a. Drive Amplifier

current of Q601 flows about 100mA during transmitting as A-class amplifier. The frequency characteristics are compensated by feedback, besides connecting the The signal input to PA unit is amplified up to approximately 100mW. The idling capacitor to emitter resistor in parallel.

The signal is amplified up to 5W in Q602 and Q603.

PA amplifier is the wide band range from 1.8MHz to 54MHz

The idling current flows 100mA (adjusted in VR601), and the amplifier is the push-

D601 is connected to Q602 and Q603 thermally, and the idling current is compen-

sated for temperature.

### b. Final Stage Power Amplifier

idling current of about 800mA is flowing. The gate bias is made by VR502, VR603. The feedback circuit, consisting of L608, C625, R617 and R618, makes the gain In the final stage amplifier circuit consisting of Q604 and Q605 (MRF255), the flat in the wide range of 1.8MHz~54MHz.

The 100W output is led to filter unit.

The drain current of Q606 and Q607 is detected by using FB606 and L611. Then led to the main unit.

#### c. Fan Control

output voltage of comparator, IC601: A. Then the fan starts turning at a low speed perature goes up to about 50°C or more and the compared inverting input voltage controlled. While transmitting, the resistance value is decreased by the rising of The heat of Q604 and Q605 is detected by the thermistor TH601, and the fan is creased. Non-inverting input is applied with the settled voltage. When the temthe temperature, then the voltage of inverting input terminal of IC601A/B is debecomes lower than the non inverting input voltage, Q607 is turned ON by the by the value of series resistor (R639).

the fan turns at a high speed according to the value of senes resistor of R640 and When the temperature rises more and the voltage becomes much lower than the compared voltage IC601: B, Q608 is turned ON. Then R639 is turned OFF and decrease the compared voltage of IC601: A.

transmitting. The temperature, at which the fan turns at a middle speed or more, is D608 become LOW when the fan turns at a high speed. Then the signal is sent to parallel to turn the fan at a higher speed. Although ordinary PDWN is pulled up to higher than it while transmitting. At high teraperature, fan's turning speed comes 14V by R637, the power output is set to 50W because both cathode terminals of further lower, IC601: A supplies again, then R639 and R640 are connected in IC601:B does not work if the temperature does not go up higher than it white When the temperature goes up to about 100°C and the voltage is decreased As the compared voltage of IC601: B is decreased in D611 while receiving, the main unit as the control signal for power down at high temperature. down while receiving.

### d. Protection Circuit

For the protection of the final power amplifier, the followings are equipped: SWR detection

Protection against over current

Power down circuit for the temperature detection

### e. CW Keying Circuit

voltage is supplied to collector. This output controls all of the circuit operaton by As the base voltage of main unit Q49 goes down to LOW by CW keying, the

carrier. VR11 determines the CW waveform of rise and fall by adjusting the carrier balance is broken by applying DC voltage to the balanced mixer to generate the The collector output of Q49 is passed through D95, VR11 and D93, and the level in R285 and C248.

The voltage is applied to IC17: B Pin5 in D95, and the output of Pin7 turns Q46 ON constant. BK1, BK2, and BK3 are the voltages for the setting of 3-bit break-in time constant. 8 stages voltage is obtained by the combination of the resistors R269, to set PTT line to LOW in D73, then the unit enters the transmitting mode. The At the same time Q48 is turned ON to turn OFF Q6 for keying isolation. C244 capacitor (C246, C247) is connected between Pin5 of IC17: B and the ground. The holding time of transmitting is determined according to the discharge time makes the OFF time of Q6 longer not to influence the keying waveform. R270 and R271.

In the Full Break-in mode, all of BK1, BK2 and BK3 are set to LOW, in the Semi Break-in mode, one of BK1, BK2, or BK3 is applied the voltage.

When all of the breakers are applied the voltage, it is used as the shortest time constant:

When in the full break-in mode, all of the voltages of BK1, BK2 and BK3 are low level, and Q47 is turned OFF. Therefore only C246 is the very short discharge constant, it is the full break-in mode with short transmitting time. One of BK1, BK2 and BK3 is supplied the voltage, and Q47 is turned OFF, then connected to C247 and C246 in parallel. The discharge time constant is longer, and it is the semi break-in time constant.

There are 7 stages of the voltage in the semi break-in mode according to the output voltage of BK1, BK2 or BK3. This is applied to the compared voltage of IC17: B, then the discharge time constant is changed. Namely when the voltage is applied to all of BK1, BK2 and BK3, the time constant is the shortest.

When the break-in mode is set to AUTO, BK1 only is supplied, and the compared voltage of IC17:B is controlled by the output voltage of IC17:B.

In the AUTO mode the keying output is emitted by one-shot multivibrator consisting of IC18A and B whenever the key is pressed. Therefore the average value of the output voltage of IC18: A is in proportion to the average speed of keying. To obtain the average voltage in R281, C245, etc., integrate the voltage. Then this output is D/O amplified in IC17:A, and provided as the compared voltage of keying. D97 is used for OFF in the AUTO mode. When the AUTO mode is in the LOW level, the voltage charged in C245 is short, then the operation in AUTO mode is

D107 and R360 are used to get up speed rising when the keying is started. D92 and R280 determine the discharge time constant. While receiving the time constant is prolonged.

The selection of transmission/reception follows the keying speed from 30 letters/minute to 200 letters/minute.

The transmitting mode is held between letters, and the unit returns to receiving mode between words.

### f. Power Control, ALC Circuit

The forward wave voltage in proportion to the transmitting power obtained in filter unit is inverting-input to ICB:A, and inverting-amplified. Non-inverting input is applied the voltage, and the output voltage is shifted by the non-inverting input voltage.

ALC line is applied the voltage of about 2.7V beforehand, and the ALC voltage is supplied to the second gate of the amplifier.

When the forward wave voltage is detected, the output voltage of ICB: A is decreased. If it is about 3V or below, the ALC line voltage is decreased by D63. VR7 is used for the adjustment of 100W. When the unit is switched to 50W by S1, Q27 is turned ON and VR5 is connected in parallel to decrease the voltage, then the unit is adjusted to 50W.

In AM mode, R195 is connected in parallel to decrease the voltage up to about

In the low power mode, R191 is connected in parallel by setting to LOW, and the voltage is decreased.

Q29 and VR8 are used for the adjustment to get the required power of about 10W in the matching operation of external automatic tuner. (The required power depends on the tuner.)

decrease the power. The unit is operated when the SWR is about 3 or more.

When the value of SWR is high, the reflected wave voltage turns Q28 ON to

Compared with the forward wave detection power in HF band of 100 W, the forward wave voltage in 50MHz band of 10W is set to higher a little. In SSB mode, "fast attack" is obtained by D63, and the release time of "slow attack" is obtained by C222 and R130. In AM mode C221 is connected in parallel by Q30, and the unit is operated in near the average value.

### g. Over Current Protection Circuit

The final stage collector current which is detected in PA unit is differential-amplified in IC8: B. The output voltage is decreased according to the increase of the current. Then ALC line is fallen by D63 and the output power is decreased. The operational point is decided in VR6.

## h. RF Meter Circuit, ALC Indication

The forward wave is amplified in IC9: A to obtain the meter output voltage.

The peak is held in D70, R223 and C223, and the meter swings smoothly.

Meter output voltage and S meter output voltage are switched in D71 and D86 automatically.

ALC voltage is inverting voltage amplified in IC9: B.

This output is applied to the base of Q31, then sent to front unit for the detection of transmission/reception and lighting the transmitting LED. The LED brightness is changed according to the ALC voltage.

### i. Sidetone Circuit

The comparison frequency of the second local oscillator in PLL unit (65kHz~85kHz) is divided by 10 in IO714, then led to the main unit. In addition the frequency is divided by 10 in IO719 of the main unit to obtain the sidetone of 650Hz~850Hz. The comparison frequency of the second local oscillator is changed according to the CW offset setting. To relate with the sidetone, comparison frequency is about 100 times the CW offset. IC19 Pin2 is controlled by Q65 at CW frequency is about 100 times the CW offset. IC19 Pin2 is controlled by Q65 at CW sidetone.

The following active filter QSO makes the square wave to sine wave to obtain better sound. The rise/fall wave of the sidetone is generated by keying controlling the bias of base and emitter.

#### j. Tune Circuit

When using the external automatic antenna tuner, this circuit controls the matching start signal and the operation of the unit during tuner matching.

When the tune operation is started, the Tune voltage is supplied to operate the one-shot multivibrator in IC18. C, D. The voltage of about 8 V is applied to outside for a fixed time through Q52 as the start signal. In the other hand, Q53 supplies the tune voltage of sink output, it becomes LOW while tuning. (For the transceiver made by ICOM, KENWOOD).

As soon as the tuner receives the tune start signal, the tuner provides it as the tuning signal . (TKEY terminal)

CPU observes the TKEY terminal, and keeps the unit in TUNE mode indicating that the tuner is operating while it is in the LOW fevel. CPU releases the TUNE mode when TKEY terminal is in LOW for 20 seconds or more. In the Tune mode the unit transmits a signal in AM mode, the microphone output is muted, then the carrier is kept on outputting about 10W (adjustable).

## k. Regulated Power Supply Circuit

nected to the ground through the microphone terminal or CW keying output (Q46), IC11 is the 8V Regulated Power Supply Circuit. T8V that is necessary for transmitting is made in Q33, and R8V that is necessary for receiving is made in Q35. IC10, Q32 and Q34 control the transmission/reception. When PTT line is con-H level is supplied from IC10: A and it is led to CPU of front unit to detect the transmission/reception switching.

IC10: C delays the rise of receiving in R227, C224 and D62 and controls in Q32

While receiving, the current is flowing from 13.8V through R230 and D75, then the While transmitting, the base voltage of Q33 is 0V because Q32 is turned ON, and base voltage Q33 is approximately 8.7V, and the emitter output is just 8V. R8V is not provided.

While transmitting R8V is short by D77, and it makes the charge voltage such as electrolytic capacitor discharge momentarily not to remain R8V.

just 8V while receiving. While transmitting, the base voltage is 0V because Q34 is D75, then the base voltage of Q35 is approximately 8.7V and the emitter output is As for Q35, as same as R8V the current is flowing from 13.8V through R230 and turned ON, and T8V is not provided.

While transmitting T8V is short by D77, and it makes the charge voltage such as electrolytic capacitor discharge momentarily not to remain T8V.

After delayed the transmitting rise time in IC10:B, the signal is inverted in IC18:D, then T8V is controlled in Q34.

When Pin8 IC10:A is supplied the voltage, the unit enters PTT lock mode without changing the output of Pin10 even if the PTT line is connected to the ground.

## I. Mode Voltage, Function Control

(BPF/ LPF Selector)

The enable terminals of IC15 and IC16 select the signal ENX or ENY by using

IC24 and Q62.

The data from CPU (DAT2) consists of 16-bit serial data, two 8-bit shift resistors are connected in series.

IC22 and IC23 control the band selection, ON/OFF of preamplifier, ATT, power, TX mute function, etc. They are operated in Low level.

IC15 controls the Mode voltage, and IC16 controls filter, AGC, Break-in, PTT lock,

and Noise blanker. The voltage of every mode (USB, LSB, AM, CW, CWU, CWL, FM, TUNE) tums ON Q41, Q42, Q43 and Q44 to supply 8V.

m. LPF

Input/Output of this filter is switched by the relay, and Input/Output of unused filter HF supplied from PA final stage eliminates harmonics through LPF of filter unit. is short at the relay contact.

LPF control is used the BPF control voltage of the main unit.

Every LPF consists of Chebyshëv filter, and double or more harmonics are attenuated about 40dB or more.

10, 14MHz band 1.8MHz band 3.5MHz band 7MHz band BB0, BB1 BB4, BB5 882 883 ~ 2.5MHz 7.5MHz~14.5MHz 2.5MHz~4.0MHz 4.0MHz~7.5MHz 2523

14.5MHz~21.5MHz BB6 21.5MHz~30.0MHz BB7 14.5MHz~21.5MHz 7 2

18, 21MHz band

24, 28MHz band

led to power detection circuit and supplied to HF antenna terminal passing through The transmitting signal, whose spurious is eliminated by passing through LPF, is the selection relay.

# n. 50MHz Transmission/Reception Selector

50MHz band performs the transmission/reception selection by the relay RL503. It is supplied to antenna terminal of 50MHz through LPF consisting of L507, L508, C510, C511, C513, C517 and C518.

50MHz LPF consists of Chebyshev filter and double or more harmonics are attenuated 60dB or more.

### Power Detection Circuit

A power detection circuit is equipped.

detection circuit. LPF makes the standing wave, so the circuit is located before the LPF in 50MHz band whose spurious specification is severe, and after LPF in HF The harmonics are sometimes generated depending on the using diode in the band.

L502 is 8 turns bifilar of toroidal core (twisted pairs of AWG). Therefore the both sides are 16 turns with center tap.

Piercing the center hole of the core means the same with 1 turn. So the transformer is 1:16.

output voltage, and R515 is applied the voltage (reflected wave) according to the reflected power. The output power and reflection detect the power to control the Therefore R514 is applied the voltage (forward wave voltage) according to the power in the main unit.

### p. Dial Rotating Detection

The pulse generated by the rotation of the main dial is eliminated the chattering in IC1001: A, B. IC1001: A and B are the Schmitt triggers by the feedback from the

number is doubled. Then it is 4 times the pulse number because of synthesizing in The rise and fall of each output is differentiated in IC1002:A, C, so the pulse IC1001; C.

To find the rotation direction, it is detected in IC1002: B and IC1003 and fed to CPU. As S1002 generates 50 pulse at 1 rotation, what is input to CPU is 200 pulse/rotation, and 5kHz/rotation in 25Hz step.

the pulse number stored in IC1004, then the process is finished, the pulse number divided in IC1004, and the pulse number is stored as the 6-bit binary digit by each dividing output. At a high speed rotation the frequency is forwarded by counting The main dial rotates very fast and generates so many pulses. The pulse is stored in IC1004 is reset by the output from CPU.

The dial rotation pulse is charged in D1016, R1022 and C1010, and the average voltage according to the speed is obtained. When the dial rotation speed is last, the frequency step per pulse is four times that at normal speed.

#### 3) Front Unit

a. Power Switch

The output from the main unit (RTXC) lights the LED according to the change of the ALC voltage. The output cannot be supplied as it is, so it is changed to ON/

Q1011 is the squelch output from the main unit, and it lights RX LED.

OFF signal in Q1009.

CPU, the squelch setting voltage programmed by turning the knob on the front

panel is decreased forcedly. Then the squelch is open forcedly without any

relation with VR position.

When SW1001 is kept pressing while the power is ON, the signal is detected in PSDET, and the Q1006 is turned OFF to cut OFF the power supply.

#### b. Power Supply

IC1007 is the regulated power supply of 5V which has the output for CPU reset. IC1006 is the regulated power supply of 8V which generates the required voltage for IF shift and volume control.

When the power supply is out OFF, the output of regulated power supply of 8V is increased first, and it is detected in D1018 and IC1002:D, then sent to CPU. In CPU the data is stored in the EEPROM of IC1005 before the output of regulated power supply of 5V is decreased and the unit is reset. D1019 and C1002 are used to hold the output voltage of 5V by killeping the input voltage of 5V regulated power supply as long as possible.

#### c. Dimmer Circuit

The regulated power supply of about 10.5V consists of Q1003, Q1004 and Q1005. Q1003 supplies about 10.5V when the DIMM output from CPU is 5V. In CPU unit, DIMM is the pulse output, and it switches ON/OFF of the output of about 10.5V.

At full lighting the output from CPU is fixed to 5V. In "LP4" mode the duty is 80% and in "LP 3" mode the duty is 60%. In this way the brightness is changed by the duty in Q1003.

Q1003 is supplied the current by turning ON/OFF. At the maximum the brightness is the lightest, and the duty is decreased according to the dimmer, then the power dissipation is decreased. The dimmer can be operated by the small transistor. The maximum brightness is 10.5V, and it is set to under the regulation voltage (6.3V x 2) to prolong the life of the lamp. The rush current when the lamp is turned ON is in pulse mode to decrease the load on the lamp.

#### d. LCD

e. Others

The indication such as frequency that is required the speed is performed by the CPU itself, and the other indications are performed by the LCD driver of IC1009. The LCD indication employs the frame frequency of about 128Hz, 1/2 DUTY and 1/2 bias.

X1001 is the ceramic resonator of 8MHz selected not to enter the amateur band in the harmonics relations.

When the power is ON, the voltage is supplied from Y2 and Y3, to detect whether it is connected to the outputs DB0-DB6 or not, then the destination is determined. The currents in Y0 and Y1, and between DB-DB6 are scanned to detect which switch on the front panel is pressed.

The both sides of RIT VR are applied 5V, and the location of VR is detected by the voltage of A/D input terminal.

In the Receiving frequency monitor Q1019 is turned ON by the MONI output from

#### 4) PLL Unit

Summary

The followings are performed in PLL unit.

The generation of carrier signal

The generation of the first and second local oscillating signal

The generation of sidetone CTCSS

Adding the FM modulation

Making the power supply of 5V

#### Details

(1) There are 3 kinds of power supply as follows:

The voltage of 13V passed through the switch The voltage of 8V made in the MAIN unit The voltage of 5V made in the PLL unit

Power supply depending on the MODE comes from the main unit.

(2) First the reference signal of 30MHz is generated in X701 and Q701 according to the constant of TC701 and L702.

(3) Secondly the signal of 9.420MHz +/- 1.5kHz is generated by the voltage of D706 in X702, G721 and G722.

(4) Thirdly the signal of 9.875MHz +/- 1.5kHz is generated according to the constant of TC702-TC704, C807, C809, C810, C811 and C812 in Q725 and Q724.

(5) The frequency of 9.875MHz is changed according to the MODE, transmission/ reception.

### [Transmission/Reception of LSB]

CN701 Pin21 (LSB) is applied the voltage of 8V and the signal is passed through D714, then results in the frequency of 9.8735MHz according to the constant of TC702 and C812. Also (LSB) 8V is passed through D718, and the voltage is applied to Q723 to emit the carrier signal.

### [Transmission/Reception of USB]

CN701 Pin26 (USB) is applied the voltage of 8V and the signal is passed through D711, then results in the frequency of 9.8765MHz according to the constant of TC704 and C807. Also (LSB) 8V is passed through D717, and the voltage is applied to Q723 to emit the carrier signal.

### [Reception of AM/FM/TUNE]

CN701 Pin20 (FM) or CN701 Pin22 (AT) is added the voltage of 8V and in the FM mode the signal is passed through D708, then results in the frequency of 9.875MHz according to the constant of TC703 and C811. Q723 has no voltage,

and carrier signal is never emitted.

### [Transmission of AM/TUNE]

CN701 Pin22(AT) is applied 8V and results in the frequency of 9.875MHz according to the constant of TC703, C811.

The voltage of 8V from CN701 Pin23 (T8V) is passed through D718 to add the voltage to Q723, then the carrier signal is emitted.

### Transmission of FMI

according to the constant of TC702 and C812. Here FM is passed through AT and R814 to turn ON C811, however, as Q733 is also turned ON, Q727 is turned ON CN701 Pin20 (FM) and CN701 Pin23 (T8V) are added the voltage of 8V, the Q729 and Q733 are turned ON. 8V voltage of CN701 Pin20 (FM) is passed through D708, Q733 and D714, then results in the frequency of 9.8735MHz and C811 is shorted.

The voltage of 8V from CN701 Pin23 (T8V) is passed through D718, and led to Q723 to emit the carrier signal.

The modulation signal is passed through R798, IC715, R796 and C801, and it is The voltage of 8V from Q733 turns ON the analogue switch of IC715. FM-modulated in VCO2.

### The Transmission of CWU/CWL)

CN701 Pin24 (CWU) or CN701 Pin25 (CWL) is supplied the voltage of 8V, then it results in the frequency of 9.875MHz according to the constant of TC703 and is passed through D716, D732, Q716 (because Q729 is ON) and R814, then

Although here CWU tries to tum C810 ON or CWL tries to turn C809 ON, it can not be done through D715 because Q729 is also turned ON.

### The Reception of CWUJ

resulting in the frequency of 9.8758MHz of frequency according to the constant of CN701 Pin24 (CWU) is supplied the voltage of 8V, passed through D712, then TC703 and C810. Also the voltage of 8V from CN701 Pin24 (CWL) is passed through D716 and D717 to the Q723, then the carrier signal is emitted.

### [The Reception of CWL]

resulting in the frequency of 9.8742MHz of frequency according to the constant of (6) The frequency of 9.42MHz can be changed only while receiving by the IF shift CN701 Pin25 (CWU) is supplied the voltage of 8V, passed through D712, then TC703 and C809. Also the voltage of 8V from CN701 Pin25 (CWL) is passed through D716 and D717 to the Q723, then the carrier signal is emitted. volume on the front panel. The voltage supplied to CN701 Pin14 (SHV) is changed by the IF shift volume, and the capacitance of D706 is also changed, then 9.42MHz is changed. The center While transmitting Q715 is turned ON by T8V to eliminate the influence by SHV frequency of the IF shift volume is determined by VR702.

In USB CN701 Pin26 (USB) and CN701 Pin15 (TONS) are supplied the voltage of 8V. As in UT mode TONS becomes the sink, Q735 is turned OFF and USB is

and VR 701, then the frequency is decided only by VR701.

decreased about 300Hz less while receiving and about 100Hz less while transmilsupplied 0V, then Q730 is turned ON and a terminal of R767 is connected to the ground to decrease the voltage of D706, beside the frequency of 9.42MHz is ting than the value in USB mode. In the same manner, in LSB mode the voltages of CN701 Pin21 (LSB) and CN701 Pin15 (TONS) are 8V. As in LT mode TONS becomes the sink, Q735 is turned creased. Beside the frequency of 9.42Hz is increased about 300Hz more while receiving and about 100Hz more while transmitting than the value in LSB mode. OFF and D729 is supplied the voltage by R767. Then voltage of D706 is in-

# (7) The Emission of 455kHz Carrier Signal

The above-mentioned 9.875MHz signal is input to Mixer IC712 Pin6, and 9.42MHz signal is input to IC712 Pin8. The difference frequency of 455kHz is output from IC712 Pin3 and sent to the MAIN unit from J701 after amplified in Q723. The Output level is approximately -5dB,

x RX) (RX) FM(TX) WL AM TUNE (TX) (X) X)	9.8765MHz - 9.42MHz ("") = 456.5kHz ("") 9.8735MHz - 9.42MHz ("") = 453.5kHz ("") 9.8735MHz - 9.42MHz ("") = 456.6kHz ("") 9.8735MHz - 9.42MHz ("") = 456.8kHz ("") 9.8765MHz - 9.4197MHz ("") = 456.8kHz ("") 9.8735MHz - 9.4197MHz ("") = 456.8kHz ("") 9.8735MHz - 9.4197MHz ("") = 456.8kHz ("") 9.8735MHz - 9.4199MHz ("") = 456.6kHz ("") 9.8765MHz - 9.4199MHz ("") = 456.6kHz ("") 9.8765MHz ("") = 456.6kHz ("") 9.8765MHz ("") 9.8765MHz ("") 9.87656KHz ("") 9.8765MHz ("") 9.8765MHz ("") 9.87656KHz ("") 9.8765MHz ("") 9.87656KHz ("") 9.8765MHz ("") 9.87656KHz ("") 9.87656KHz ("") 9.87656KHz ("") 9.87656KHz ("") 9.8765MHz ("") 9.87656KHz (""") 9.87656KHz (""") 9.87656KHz (""") 9.87656KHz ("") 9.87656K
E1(XX)	9.8735MHz - 9.4201MHz

(\*\*): While receiving IF Shift Operation (+/- 1.5kHz) AM FM (RX) does not output

IF Shift Operation (+/- 1.5kHz)

# (8) The Second Local Oscillating Signal

In VCO2 unit, after the frequency of 71.295MHz is oscillated in Q941 and amplified in Q949, Q944 and Q945, the signal of approximately 3dB is supplied to MAIN unit through J702 as the second local oscillating signal.

The signal for PLL loop is supplied from Q942 to PLL unit.

led to Pin3, so that the deference frequency of 61.875MHz output from Pin6 only is The signal of 71.295MHz is fed to Mixer IC711 Pin7 and the signal of 9.42MHz is picked up by Q711, L712 and L711, and fed to PLL IC707, then locked at 61.875MHz.

Therefore, by rotating the IF shift volume, 9.42MHz, and also 71.295MHz are

The frequency of 30MHz is fed to IC707 through Pin1, and it is divided to get the 61.875MHz is divided to get the reference frequency, then these two frequencies following frequency as the reference frequency, and also the frequency of are compared.

The reference frequency changes according to the CW sidetone frequency.

When the sidetone frequency is 650Hz, the reference frequency is 64,655kHz. When the sidetone frequency is 750Hz, the reference frequency is 75.000kHz. When the sidetone frequency is 850Hz, the reference frequency is 85.227kHz.

(9) The First Local Oscillating Signal

)

and passed through the switching diode D725 and D726, then band-pass filter and In the HF mode, the frequency oscillated in VCO3 is amplified in Q710 and Q714, RL701. The signal of approximately 3dB is led to the MAIN unit from J703.

3 VCO's are built in VCO3, and it is oscillated under following frequency condi-

150kHz~under 10.5MHz:

The VCO is oscillated within 71.90~82.25MHz by D961, TC961 and Q961. 10.5kHz~under 21,5MHz: The VCO is oscillated within 82.25~93.25MHz by D963, TC962 and Q963 21.5kHz~under 30.0MHz:

The VCO is oscillated within 93.25~101.75MHz by D965, TC963 and

These 3 VOC's are selected by the serial data of DAT2, CK2 and ENB from CPU 8 signals from IC716 are reduced up to 3 signals, then VCO is selected by the switches of VCO3, Q962, Q964 and Q966.

frequency within 121.75~125.75MHz is generated. It is passed through RL701 by 45MHz by the DBM (Double Balanced Mixer) in L729, L730 and D730, then the When the frequency is 50MHz, in VCO3 the oscillated frequency within 76.75~ the band-pass filters of L732, L733, L734 and L735 and Amplifier of Q731 and 80.75MHz by D961, TC961 and Q961 are synthesized with the frequency of Q716, then the signal of approximately 3dB is output to J703.

The frequency of 45MHz is generated as follows: The reference signal of 30MHz is amplified in Q719 and fed to IC701 Pin3, then one half of the signal is supplied from Pin5. 3 times frequency of the signal only is passed through the filter L720, L721 and L722, and fed to the center tap of L729, then led to DBM.

passed through Q712 and input to the mixer IC709 Pin6, also the signal of 70.65~ The frequency loop of VCO3 is locked as follows: VCO3 oscillating frequency is passed through the amplifier Q713 and led to PLL IC702 Pin8 as the difference 70.75MHz (25Hz step) is fed to IC709 Pin8. Then the signal of 1.1~31.1MHz

This frequency is locked by the following procedure.

quency, and divided to obtain 100kHz. Then the frequency is locked after comparng with the reference frequency 100kHz. See the examples as shown below. 1.1MHz is added to the digit number of 100kHz or more of the operation fre-

Operation Frequency: 1MHz

2.1MHz The frequency fed to IC702 Pin8: Operation Frequency: 29MHz -PLL

30.1MHz ---> PLL The frequency fed to IC702 Pin8: Therefore, as the reference frequency of IC702, the reference frequency of 30MHz is divided up to 100kHz inside the unit.

In IC702, the operation frequency of 100kHz or more only is controlled.

In 50MHz band, CN701 Pin1 (50M) is sink, Q732 collector is supplied the voltage

ON. Q709, RL701, D724 and D724 are turned ON, then D730 is ON and Q724 is of 8V. The power supply of Q731, Q716 is turned ON. Q709 and D730 are turned

The deviation while transmitting is 5kHz/DEV, and 2.5kHz/DEV while HF/FM

ON. IC710 Pin4 is supplied about 0.7V so that the operation of IC710 is stopped. In the HF mode, Q717 is ON, and D725 and D726 are turned ON, then D735 is

IC707, the voltage of 8V is supplied from the collector in Q728, and Q718 is turned ON so that Q714 is turned OFF, then the level of J703 is decreased about 30dB or When the unlock signal is emitted from every Pin7 in PLL IC 1C702, IC703 and

(10) 25Hz Step 70.65~70.75MHz

and divided by 20 in IC704, and supplied through Q933. Then the signal is divided by 10 in IC705, and the frequency of 775~875kHz (25Hz step) is fed to the mixer In VCO1 Unit, to generate 25Hz step of the first local oscillating, Q931 is used to oscillate the frequency of 155MHz~175MHz, the signal is passed through Q932 IC701. Therefore, the operation frequency of 100kHz digit or below can be operated in 25Hz step.

Also the frequency is input to PLL unit IC703 Pin8 through Q931 for the PLL loop. PLL IC divides the frequency of 155.000~174.995MHz to get 5kHz, and it is compared with the reference frequency of 5kHz to make the loop.

Oscillating frequency Indication of the operation frequency of 100kHz digit or below

155.000MHz 165.000MHz (00)0000 .5000(00)

174.995MHz \*The number in ( ) is the frequency of no indication.

(92)6666

as the reference frequency in IC703. Because the signal of 9.875MHz is input to The reference frequency of 30MHz is divided to get 5kHz (25Hz x 200), ard used IC701 Pin8, the sum of the frequencies, 10.65~10.75MHz is supplied from IC703 Pin2, and passed through the ceramic filter of 10.7MHz, then fed to IC706 Pin6. As the double harmonics of reference frequency of 30MHz are generated in Q708, 70.65~70.75MHz is supplied from IC703 Pin3, passed through the band-pass filter of L706, L707 and L708, and fed to fC709 Pin8. Then the signal is ncluded in a L710 and L709, and they are fed to IC706 Pin8. The sum of the frequency of part of the loop of the first local oscillating signal.

(11) CTCSS for only FM transmission

In Tone unit, T type controls the frequency with the DIP Switch SW901 Pin3 - 8, then it is oscillated between 67~251Hz, amplified in Q901 and passed through CN704-1, then led to the MAIN unit from CN701 Pin16.

In this circuit, ON operation is performed when TONS is the sink and IC901 Pin4 is 0V, and FM is supplied 8V and tone unit power supply is ON.

The tone level is controlled with the DIP switch SW901 Pin1 and Pin2 to adjust the

5) Terminal function of CPU

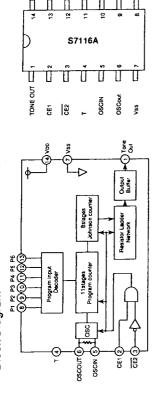
(12) FM TX deviation	Default is ±2.5kHz deviation on 29MHz and ±5kHz deviation on 51MHz.	a) Short-circuiting collector and emitter of Q734 will make both bands ±2.5kHz.	b) Short-circuiting the base and emitter of Q734 (and collector and emitter open)	will make both bands ±5kHz.	Short-circuiting both (a) and (b) will result in the same effect as (a).
(12) FM TX	Default is ±2	a) Short-circ	b) Short-circ	will make	Short-circu

2         AMAS         GND         T           4         AMAS         GND         T           4         AMAS         GND         T           5         AMAS         AMAS         T           6         AMAS         AMAS         T           1         AMAS         GND         T           1         AMAS         GND         T           10         GND         AMAS         GND         T           11         AMAS         GND         AMAS         T           10         AMAS         GND         T         T           11         AMAS         AMAS         GND         T         T           12         AMAS         AMAS         GND         T         T           13         AMAS         COMBAN         T         T         T           14         AMAS         COMBAN         T         T         T         T           15         AMAS         ENTR         <	Nan da iroalion delection and pulse Rise edge number of the control output Power China Charles output Charles o
Name	Rise edge Rise edge detection detection Demographer At work Unbook
Name	Rise adge detection of the Control o
New Page   New Page	Rise edge detector Dower OFF Doyner OFF Al work
10   155   1774   1   1   1   1   1   1   1   1   1	Rise eage detection Power OFF Power OFF A work Under OFF A work Under A work Under U
P20   P20	Rise eage detection detection and Downs OFF Anna Downs OFF Anna OF
MOO   SYT	Rise eage Rise eage detection detection Demographer At work United To
MEA   MEA   MEA   1   1   1   1   1   1   1   1   1	Rise eage detection detection Power OFF OFF Alwork Linear
P20   IROA   ADTRG   OCK   DIALCACK   1   P21   OLD   PCONT   POWERON   0   P22   OLD   PCONT   POWERON   0   P23   OLD   PCONT   POWERON   0   P24   OLD   PCONT   POWERON   0   P24   OLD   PCONT   POWERON   0   P24   OLD   P24   OLD   P25   OLD   OLD   P25   OLD   P2	Rise agge detector Dower OFF In 5 Defe Al work
P20         IROM         ADTRG         DOK         DIAL CLOCK         1           P21         UD         PCOMT         POWER DN         0           P22         IN         PCOMT         POWER DET         1           P23         IN         IN         IN         1           P24         IN         INAK         PLIMICCK         1           P25         IN         MCK         EEPROM CK         0           P26         IN         MCK         EEPROM CK         0           P27         IN         MCK         EEPROM CK         0           P28         IN         MCK         EEPROM CK         0           P27         IN         MCK         EEPROM CK         0           P28         IN         MCK         EEPROM CK         0           P29         IN         MCK         EEPROM CK         0           P20         IN         MCK         EEPROM CK         0           P21         IN         IN         IN         IN           P22         IN         IN         IN         IN           P23         IN         IN         IN         IN	Alse eage detection Power OFF Alwork Unitods
P21         UD         PCONT         POWERON         O           P22         TKEY         TUNEKY         1           P23         TKEY         TUNEKY         1           P24         TKEY         TUNEKY         1           P25         TKEY         TUNEKY         1           P26         TKEY         TUNEKY         1           P27         KAT         PLANACOK         1           P27         KAT         PLANACOK         1           P27         KAT         EKTIN         EKTIN         1           P28         SCKI         CKI         FERRALI DATA         0           P29         SCKI         CKI         FERRALI DATA         0           P29         SCKI         CKI         FERRALI DATA         0           P29         SCKI         CKI         FERRALI DATA         0           P20         SCKI         CKI         FERRALI DATA         0           P20         SCKI         CKI         FERRALI BATA         0           P21         SCKI         CKIN         CKIN         0           P22         SCKI         CKIN         CKIN         0	Power OFF Power OFF Switzh is During power OFF All WOrk Monto
P22         TKEY         TUNKN         TUNKOK         1           P23         TKEY         TUNKK         TUNKOK         1           P24         UNAK         PLUNCOK         1           P25         MCK         EEPROM CK         0           P27         MDAT         EEPROM CK         0           P27         EXTIN         EXTIN         1           P27         EXTIN         EXTIN         1           P28         SCAC         CKI         SERIALI CK         0           P29         SCAC         CKI         SERIALI CK         0           P29         SCAC         CKI         SERIALI CK         0           P23         SCAC         CKI         SERIALI CK         0           P24         SCAC         CKI         FERRALI SELECT         0           P25         STRBB         EMA         SERIALI SELECT         0           P24         SCOM         CCOMB         CCOMB         0           P25         STRB         EMA         SERIALI SELECT         0           P24         SCOM         CCOMB         CCOMB         0           P25         SEGI         WKP2	Swith is Outrop power OFF enta Alwork Unlock
P23	enna Al work Unkock Xon to
P24   WCK   EPPOM CK   1	Unick Xion to
P25   MCAT   EEPROM.CK   O     P26   MDAT   EEPROM.CATA   UO     P27   EXTIN   EXTIN   UO     P30   SCK1   CKT   SERIALI CATA   O     P31   ST   CKT   SERIALI CATA   O     P32   SCK2   ENT   ENTIN   UO     P33   SCK2   ENT   ENTINE   O     P34   SCK2   ENT   ENTERET   O     P35   ST   CKT   SERIALI CATA   O     P36   ST   CKT   SERIALI CATA   O     P37   CKT   CKT   SERIALI CATA   O     P38   ST   CKT   CKT   CKT   O     P39   ST   CKT   CKT   CKT   O     P40   CKT   CKT   CKT   CKT   O     P41   CKT   CKT   CKT   CKT   O     P42   CKT   CKT   CKT   CKT   O     P43   CKT   CKT   CKT   CKT   O     P44   CKT   CKT   CKT   CKT   O     P45   CKT   CKT   CKT   CKT   O     P46   CKT   CKT   CKT   CKT   O     P47   CKT   CKT   CKT   CKT   O     P48   SEG1   WKP7   DBC   O     P49   SEG2   WKP7   DBC   O     P40   SEG3   WKP7   CKT   CKT   O     P41   SEG3   WKP7   CKT   CKT   O     P42   SEG3   WKP7   CKT   CKT   O     P43   SEG3   WKP7   CKT   CKT   CT     P44   SEG3   WKP7   CKT   CKT   CT     P45   SEG3   WKP7   CKT   CKT   CT     P46   SEG3   WKP7   CKT   CKT   CT     P47   SEG3   WKP7   CKT   CKT   CT     P48   SEG3   WKP7   CKT   CKT   CT     P49   SEG3   WKP7   CKT   CKT   CT     P40   SEG3   WKP7   CKT   CKT   CT     P41   SEG3   WKP7   CKT   CKT   CT     P42   SEG3   WKP7   CKT   CKT   CT     P43   SEG3   WKP7   CKT   CKT   CT     P44   SEG3   WKP7   CKT   CKT   CT     P45   SEG3   WKP7   CKT   CKT   CKT   CT     P46   SEG3   WKP7   CKT   CKT   CKT   CT     P47   SEG3   WKP7   CKT   CKT   CKT   CT     P48   SEG3   WKP7   CKT   CKT   CKT   CKT     P49   SEG3   WKP7   CKT   CKT   CKT   CKT     P40   SEG3   WKP7   CKT   C	A to dai transmissovineepton to PROM a Transmission/Reception to PROM
P26	a Transmission/Reception to PROM
P27   SCAL   CKT   SERIALI CKT   CKT   SERIALI CKT   CKT   SERIALI CKT   CKT	
Page   SCAT   OKT   SERIALI CK   OKT     Page   SCAT   OKT   SERIALI DATA   OKT     Page   SCAT   OKT   SERIALI DATA   OKT     Page   SCAT   OKT   OKT   OKT     Page   SCGA   WWPP   ORD   OKT     Page   SCGA   WWPP   ORD   OKT     Page   SCGA   WWPP   ORD     Page   SCGA   WWPP   ORD     Page   SCGA   WWPP   OKT   OKT     Page   SCGA	emal EEPROM transmission EEPROM Acceptance
P31   S11   DAT1   SERALI DATA   O     P32   SCA2   ENH   PHILEMBLE   O     P34   SCA2   ENH   PHILEMBLE   O     P35   SCA2   ENH   PHILEMBLE   O     P36   STRB   ENH   SERIAL SELECT   O     P37   CS   ENB   SERIAL SELECT   O     P37   CS   ENB   SERIAL SELECT   O     P43   COM   V2   COM   O     P44   COM   COM   COM   O     P45   SEG1   WWP1   DB   O     P46   SEG1   WWP2   DB   O     P47   SEG4   WWP3   DB   O     P48   SEG1   WWP4   DB   O     P49   SEG1   WWP5   DB   O     P40   SEG1   WWP5   DB   O     P41   SEG1   WWP5   DB   O     P42   SEG1   WWP5   DB   O     P43   SEG1   WWP5   DB   O     P44   SEG1   WWP5   DB   O     P45   SEG1   WWP5   DB   O     P46   SEG1   WWP5   DB   O     P47   SEG3   WWP5   DB   O     P48   SEG1   WWP5   DB   O     P48   SEG1   WWP5   DB   O     P49   SEG1   WWP5   DB   O     P40   SEG3   WWP5   DB   O     P41   SEG10   WWP5   DB   O     P42   SEG11   WWP5   DB   O     P43   SEG13   WWP5   DB   O     P44   SEG13   WWP5   O     P45   SEG14   WWP5   DB   O     P46   SEG15   WWP5   DB   O     P47   SEG15   WWP5   DB   O     P48   SEG15   WWP5   DB   O     P49   SEG15   WWP5   DB   O     P40   SEG15   WWP5   DB   O     P41   SEG15   WWP5   DB   O     P42   SEG15   WWP5   DB   O     P43   SEG15   WWP5   DB   O     P44   SEG15   WWP5   O     P45   SEG15   WWP5   O     P46   SEG15   WWP5   O     P47   SEG15   WWP5   O     P48   SEG15   WWP5   O     P48   SEG15   WWP5   O     P49   SEG15   WWP5   O     P40   SEG15   WWP5   O     P41   SEG15   WWP5   O     P42   SEG15   WWP5   O     P44   SEG15   WWP5   O     P45   SEG15   WWP5   O     P46   SEG15   O     P47   SEG15   O     P48   SEG15	HPL, LPL data transmission clock
P32         SOT         First         HPLL EMBLE         O           P34         SCZ         FIRM         HPLL EMBLE         O           P35         SCZ         SFRALZ CK         O           P36         SCZ         SFRALZ CK         O           P36         SCZ         SFRALZ SELECT         O           P37         CSZ         SFRALZ SELECT         O           P37         CSZ         GND         C           P38         GND         CSZ         C           P43         CXM         CX         C           P43         CXM         CXM         C           P44         CXM         CXM         C           P45         SEG1         WKP2         DBC         C           P44         CXM         CXM         C         C           P45         SEG3         WKP3         DBC         C         C           P45         SEG3         WKP4         DBC         C         C         C           P45         SEG3         WKP7         C         C         C         C         C           P45         SEG3         WKP7         DBC         C	L. LPL data transmission
P33   SCA   ENL   SPERALE ENABLE   O	
Page   SCOP   OKA2   SERMAL DATA   OKA2	data transmission enable Enable
Page   STAN	DE, BPF, etc. transmission clock
P37   CS	
Visa   OND   ON	
V3	Enable 2
V2   V2   V2   V2   V2   V2   V3   V2   V4   V2   V2   V2   V2   V2   V2	
V1   V2   V2   V2   V2   V2   V3   V4   V4   V2   V4   V2   V2   V3   V3   V4   V2   V3   V3   V3   V3   V3   V3   V3	
PA3   COMM   C	
PAS   COMM   COMM   COMM   PAS   COMM   COMM   COMM   PAS   COMM   COMM   PAS   COMM   COMM   PAS   COMM   COMM   COMM   PAS   SEC2   WWP7   DBE   PAS   SEC3   WWP7   DBE   PAS   SEC3   WWP7   DBE   PAS   SEC3   WWP7   DBE   PAS   SEC4   WWP7   DBE   PAS   SEC6   WWP7   DBE   PAS   SEC6   WWP7   COMP   PAS   SEC3   WWP7   PAS   SEC3   WWP7   PAS   SEC3   WWP7   PAS   SEC3   WWP7   PAS   SEC3   PAS   PAS   SEC3   PAS	
PA1   COMP   COM3   COM3   COM3   COM3   COM4   COM4   COM4   COM4   COM4   COM4   COM4   COM4   COM5   C	DCOMMON
PAGO         COMIT         CCMR3         O           PSO         SEG1         WKPP         DB0         1           PS1         SEG3         WKPP         DB1         1           PS2         SEG3         WKPP         DB2         1           PS4         SEG6         WKPP         DB2         1           PS4         SEG6         WKPP         DB4         1           PS5         SEG6         WKPP         DB6         1           PS6         SEG9         WKPP         DB6         1           PS6         SEG9         YT         O           PS6         SEG17         YT         O           PS6         SEG12         Y3         O           PS6         SEG14         CODEN         O	NOWNOO
PSO   SEG1   WKPO   DBO   1   PSO   SEG2   WKPO   DB3   1   PSO   SEG3   WKPO   DB4   DB	D COMMON
PSI         SEG2         WKPP         DBI         1           PS2         SEG2         WKPP         DB2         1           PS4         SEG4         WKPP         DB2         1           PS4         SEG6         WKPP         DB3         1           PS6         SEG7         WKPP         DB5         1           PS6         SEG9         WKPP         DB6         1           PS7         SEG9         WKPP         DC         0           PR9         SEG10         Y7         0           PR3         SEG12         Y3         0           PR9         SEG13         GNIO         0           PR9         SEG14         CODEN         0	, initial setting detection
PS2         SEG4         WKP2         DB2         1           PS4         SEG5         WKP4         DB2         1           PS4         SEG6         WKP4         DB4         1           PS5         SEG6         WKP5         DB5         1           PS6         SEG0         WKP6         DB6         1           PS0         SEG0         YY         0         0           PR1         SEG10         Y1         0         0           PR2         SEG11         Y2         0         0           PR4         SEG12         Y3         0         0           PR5         SEG14         COBN         0         0	
PAS         SEGN         WKP4         DBS         1           PSS         SEGG         WKP4         DBS         1           PSS         SEGG         WKP5         DBS         1           PSS         SEGG         WKP6         DBS         1           PSS         SEGG         WKP7         DBS         1           PSS         SEGG         WKP7         DBS         1           PSS         SEGG         Y7         0         0           PSS         SEGG         Y3         0         0           PSS         SEGG         Y3         0         0           PSS         SEGG         Y3         0         0           PSS         SEGG         X3         0         0           PSS         SEGG         X3         0         0           PSS         SEGG         X3         0         0	
PSS         SEGG         WKF9         DB4         1           PS6         SEGG         WKF9         DB6         1           PS6         SEGG         WKF9         DB6         1           PS7         SEGG         WF9         C           P81         SEG10         Y1         O           P82         SEG11         Y2         O           P83         SEG12         Y3         O           P84         SEG14         CODEN         O	
PAS         SEGO         WKMP         Des         1           PSI         SEGO         WKPP         Des         1           PRO         SEGO         YY         0           PRI         SEGO         YY         0           PRI         SEGOI         YY         0           PRI         SEGOI         YI         0           PRI         SEGOI         CODEN         0           PRI         SEGOI         CODEN         0	
PSG         SEG-80         WRFY         CO           PRO         SEG-10         Y1         C           PRI         SEG-10         Y1         C           PRI         SEG-11         Y2         C           PRI         SEG-12         Y3         C           PRI         SEG-13         CORN         C	
PRO         SEG0         Y1         O           PRI         SEG10         Y1         O           PRI         SEG11         Y2         O           PRI         SEG12         Y3         O           PRI         SEG14         COND         O           PRI         SEG14         COND         O	
P61         SEG10         Y1         O           P62         SEG11         Y2         O           P63         SEG12         Y3         O           P64         SEG12         Y3         O           P65         SEG14         CMDN         O	
P62         SEG11         Y2         O           P63         SEG12         Y3         O           P64         SEG13         GND         O           P65         SEG14         LCDEN         O	nel SW for ON defection
P63 SEG13 CND O P84 SEG14 CODEN O	offino
P63         SEG12         Y3         O           P84         SEG13         GND         O           P85         SEG14         LCDEN         O	ection
P64         SEG13         GND         O           P65         SEG14         LCDEN         O	Output for initial condition setting
P65 SEG14 LCDEN 0	
	D driver enable
P66 SEG15 LCDCK O	D driver clock
Ī	D driver data

	Use2	Use3	Pin Name	Remarks	9	Description		r
	SEG17		SEG17		0	Output to LCD Segment		
ı	SEG18		SEG18		0	Output to LCD Segment		
	SEG19		SEG19		0	Output to LCD Segment		
1	SEG20		SEG20		0	Output to LCD Segment		
	SEG21		SEG21		0	Output to LCD Segment		
- 1	SEG22		SEG22		0	Output to LCD Segment		
- 1	SEG23		SEG23		0	Output to LCD Segment		
	SEG24		SEG24		0	Output to LCD Segment		
	SEG25		SEG25		0	Output to LCD Segment		
	SEG26		SEG26		0	Output to LCD Segment		
ŀ	SEG27		SEG27		0	Output to LCD Segment		
1	SEG28		SEG28		٥	Output to LCD Segment		
1	SEG29		SEG29		٥	Output to LCD Segment		
1	SEG30		SEG30		0	Output to LCD Segment		
1	SEG31		SEG31		0	Output to LCD Segment		
i	SEG32		SEG32		0	Output to LCD Segment		
ıl	SEG33		SEG33		0	Output to LCD Segment		
	SEG34		SEG34		٥	Output to LCD Segment		
- 1	SEG35		SEG35		0	Output to LCD Segment		
- 1	SEG36		SEG36		0	Output to LCD Segment		
- [	SEG3/	<b>z</b>	SEG37		٥	Output to LCD Segment		
1	2000	3 8	SEG38		0	Output to LCD Segment		
-	SEGAN OF CAS	3 2	SEGS		2	Output to LCD Segment		
1		8	25/25		,  -	Output to LCD segment		
l	_	WOM	MONI		0	Open the squetch forcedly (monitor)		Squelch open
i		٤	Ŀ		(	The command to put out the light	Put out the light	forcedly
i		15	5		0	forcedly and flashing to LCD driver	forcedly	Ouring lighting
- 1		TMOFH	ВЕЕР		٥	Beep sound output	Pulse output	
		TMIG	sos			Squeich open/close condition detection	Squelch close	Squelch open
		M.M.	DIMM	DIMMER	0	LCD dimmer control	Duty control of pulse output	
i I	FO1	TMIB	TXS		_	Transmission condition detection	Transmission	Reception
- 1	F02	OIMIC F	SUBA		-	MF dial rotation detection		
	3	JIMI-	2088		-	MF dial rotation detection		
- 1	1	2 2	ONO ONO	COUNT RESET	0	Dial pulse count reset	Duning counting	Reset
		2 2	SWE SWE		-  -			
1	<u>8</u>		POWDN	POWER DOWN	- -	Power OFF detection	Power OFF	Power OK
ıl		AVCC	50					2
- 1	ANO		ě		-	Dial clock 1/2		
- 1	AN.		200		-	Dial clock 1/4		
	AN2		903		-	Dial clock 1/8		
-	PACS		ğ		-	Dial clock 1/16		
- 1	Y Y		8		-	Dial clock 1/32		
1	S S		8		-	Dial clock 1/64		
- 1	ANG		8		-	Dial up rolation		3
-1	AN7		8		-	Dial down rotation		Down
	87. 4		DSDET		Q.	Dial speed detection	The voltage according to the	
PC3	ANS		FIT		ΨV	Bit VB metion detection	Speed of Totalion.	
1	ANIO		95		2	non-person non-person	0-5V	
ł	AN11		SRF		§ §	S. & RF Mater voltage invest	2-3V 00Wn	0-2A up
- 1			6		Ş	S & Hr Meter votage input	0-5v	

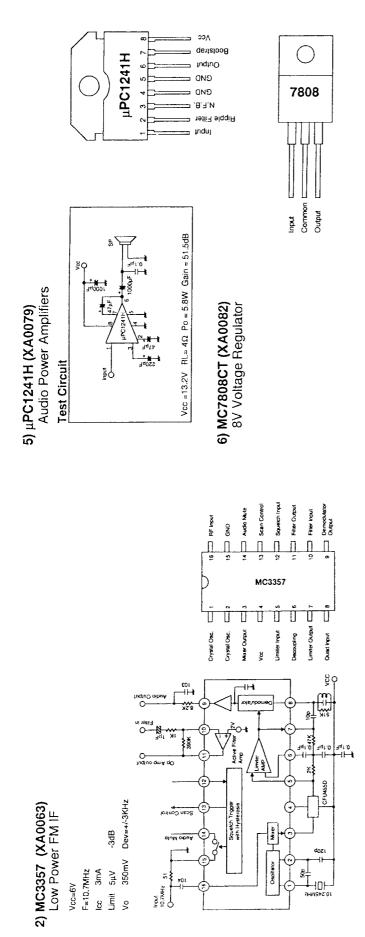
# SEMICONDUCTOR DATA

## 1) S7116A (XA0052) Tone Generator Block Diagram



Parameter	Symbol	Condition	N.	Min Typ Max	Max	Unit
Supply voltage	ααΛ		3.0		9	>
Supply current	lpbo	VDD=5.0V, CE1=Vpp, CE2=Vss, CG=Co=10pF	ŀ	0.4	0.1	Ę
Stand by current	saaj	VDD=5.0V, input: open, RL=50kΩ		20	8	¥
Tone output level	VOT	VDD=5.0V, RL=50kΩ	240	340	340 440	mV rms

				_			_	_	_	_	_	_				-		-	-	_	_		-	_	,	•		_
		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-				Γ			Ī										-	-	-	-	-	-	-	-	-	-	
-	-				Γ					-	-	-	-	-	-	-	-							Γ		-		
-	-				ĺ	-	-	-	-					-	-	-	-					-	-	-	_			
-	-			1	-			-	-			-	1			-	-			-	-			-	-			
	-		-		-		-		-		-		-		-		-		-		-		-		-	Ľ	-	
186.2	192.8	203.5	210.7	218.1	225.7	233.6	241.8	250.3	200	09	8	800	006	980	1600	1700	1750	1800	1300	2000	2200	2975	2550	2295	2125	1275	1445	
															1	-	1	-	-	-	-	-	-	-	-	-	-	-
							-	-	٠	1	-	-	1	-									٦	-	-	-	-	-
			1	-	-	1					-	- 1	-	1					-	-	1	-					-	-
	1	1			-	1			-	1			-	1			-	-			-	١			1	î		
-		-		-		1		1		1		-		1						-		-		1		1		-
0.79	71.9	74.4	0.77	7.8.7	82.5	85.4	88.5	91.5	8,	97.4	100.0	103.5	107.2	110.9	114.8	118.8	123.0	127.3	131.8	136.5	141.3	146.2	151.4	156.7	162.2	167.9	173.8	179.9
	1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1	1	1   1   1   1   1   1   1   1   1   1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1



#### Vss K Z S 7) µPD6345GS (XA0114) 8bit Serial in Parallel Out Driver Serial data output termin Data output termina Enable terminal Latch terminal GND terminal

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NEC D6345G

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☐ 5 Non Inverting Input 2

Power Supply Minus 4 Non Inverting Input 1 3

☐ 6 Inverting Input 2

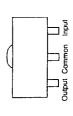
Bower Supply Plus

Output 2

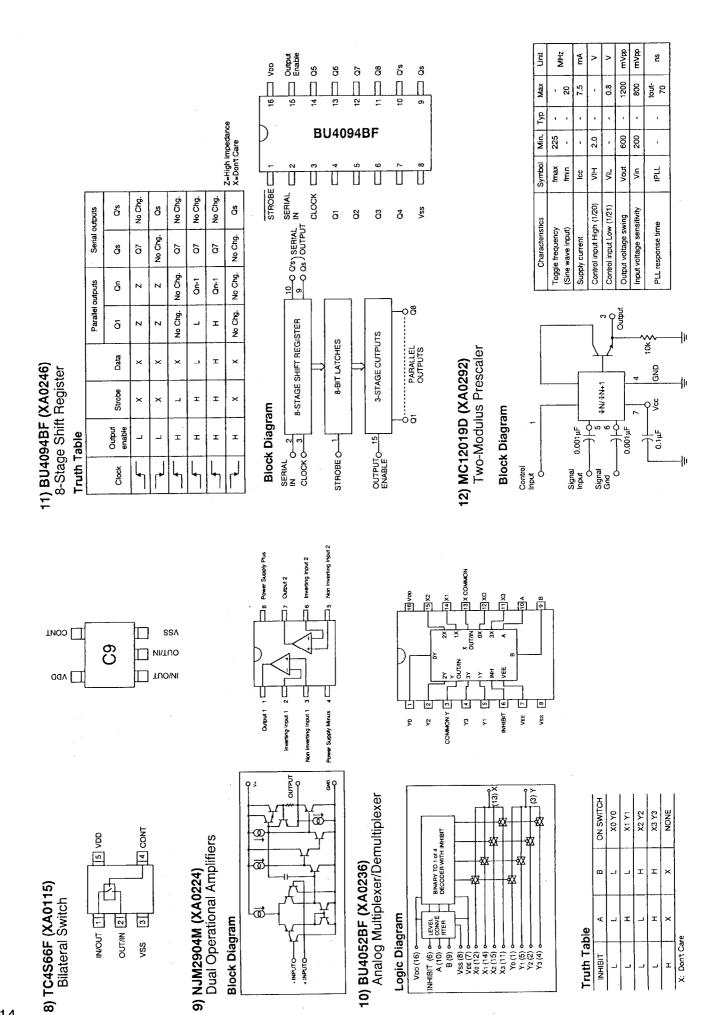
Inverting Input 1 2

Output 1

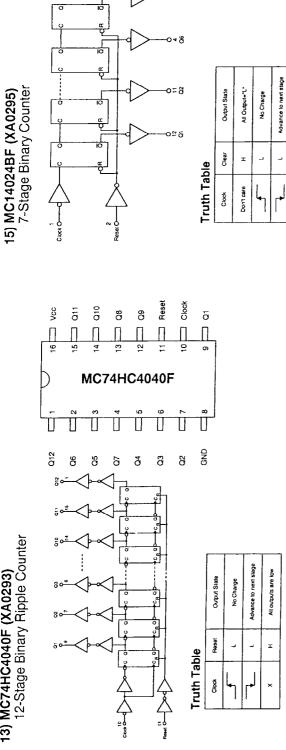
3) M5218FP (XA0068)
Dual Low Noise
Operational Amplifiers











Vpp 2 5 8

Clock Reset

ဗ 2

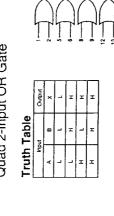
MC14024BF

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Vss



Dual 4-Stage Binary Ripple Counter 1/2 and 1/5 Sections

14) MC74HC390F (XA0294)

11 Out D

MC14071BF

12 In 1D 13 ∏ In 2D

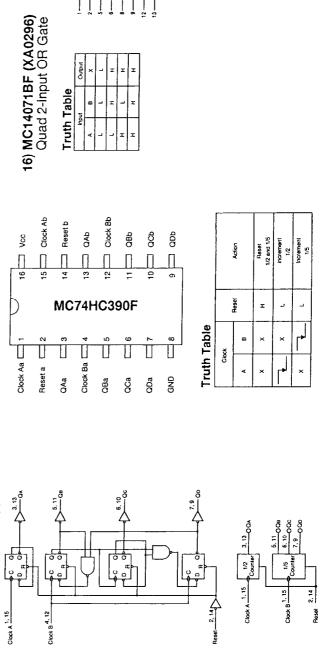
> Out A Out B

In 1A In 2A Out In 2C 다 5

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리 1 In 2B Vss

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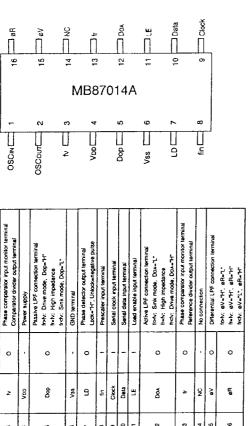


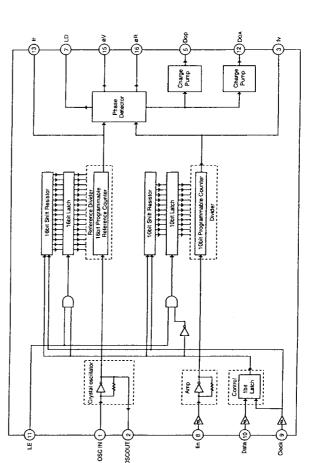
17) MB87086A (XA0297) PLL Frequency Synthesizer

18) MB87014A (XA0298) PLL Frequency Synthesizer

			terminal OSCIN		L HOUSE				2		Joan			don		Vss			9		_	£	lan			
Description	Crystal connection terminal	Crystal connection terminal	Phase comparator input monitor terminal Comparator divider output terminal	Power supply	Passive LPF connection terminal	fr>fv: Drive mode, Dop+"H"	fr=fv: High impedance	fr <fv: dop-1."<="" mode,="" sink="" td=""><td>GND terminal</td><td>Phase detector output terminal</td><td>Lock="H". Unlock=negative pulse</td><td>Comparator divider input terminal</td><td>Serial clock input terminal</td><td>Serial data input terminal</td><td>Load enable input terminal</td><td>Active LPF connection terminal</td><td>fr&gt;fv: Drive mode, Dox="L"</td><td>fr=tv: High impedance</td><td>fr<fv: <="" do.a.="H" mode,="" sink="" td=""><td>Phase comparator input monitor terminal</td><td>Reference divider output ferminal</td><td>No connection</td><td>Differential LPF connection terminal</td><td>froh: eV-"H", eR-"L"</td><td>fr=fv: @V="H", @R="H"</td><td>fr<fv: ,="" <="" td="" ør="H" øv="L"></fv:></td></fv:></td></fv:>	GND terminal	Phase detector output terminal	Lock="H". Unlock=negative pulse	Comparator divider input terminal	Serial clock input terminal	Serial data input terminal	Load enable input terminal	Active LPF connection terminal	fr>fv: Drive mode, Dox="L"	fr=tv: High impedance	fr <fv: <="" do.a.="H" mode,="" sink="" td=""><td>Phase comparator input monitor terminal</td><td>Reference divider output ferminal</td><td>No connection</td><td>Differential LPF connection terminal</td><td>froh: eV-"H", eR-"L"</td><td>fr=fv: @V="H", @R="H"</td><td>fr<fv: ,="" <="" td="" ør="H" øv="L"></fv:></td></fv:>	Phase comparator input monitor terminal	Reference divider output ferminal	No connection	Differential LPF connection terminal	froh: eV-"H", eR-"L"	fr=fv: @V="H", @R="H"	fr <fv: ,="" <="" td="" ør="H" øv="L"></fv:>
Q	-	0	0			c	)			c	,	-	-	-			c	)		c	•	٠	0		0	
Pin Name	CSCIN	OSCOUT	2	VDD		8	<u> </u>		Vss	9	1	fin	Clock	Oata	J,		á			å		NC	ه۸		Ę	
Š	-	2	n	4		v			۵	_		8	æ	٥	7		12			5		7	15		9	

∏ R <sub>B</sub>	§ 	<u>§</u>	Ť	á	<u>"</u>	Data	Clock
1 9	5	4	13	5	Ξ	9	o
-	5	N	1B87	4680	۸	4	8
OSCIN	OSCOUT	2	oay	Dop	\ss	9	Ę





Charge

Control Circuit

Control

Sinary 6ort (A) 10ort (N) Swallow Counter Counter

Dual Modulus Prescaler (54/65)

4 © 1

Charge Pump

Phase Detector

Phase comparator input monitor terminal Comparator divider output terminal Crystal connection terminal Crystal connection terminal 
 No.
 Pin Name
 UO

 1
 OSCNY
 1

 2
 OSCOUT
 0
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	Output	×	I		١		
Table	5	æ	٦	н	٦	т	
_	Input						

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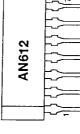


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-	8	က	4	ß	ø	~
			IJ			
In 1A	In 2A	Out A	Out B	In 1B	In 2B	Vss

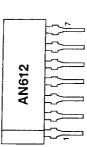
# 20) AN612 (XA0300) Balanced Modulator Circuit

Max. supply voltage Vc	Symbol	Condition	Ratings	Unit
	VCC		14.4	>
Supply current	00		15	Αm
Power dissipation PI	O-G		220	Λm
Total current Itc	Itot		9.5	Ę
Zener voltage	V54		6.15	>
Signal input terminal voltage V	4 2	V6=12.0V	3.1	>
Carrier input terminal voltage V3	V3.4		3.4	>
Output terminal voltage V7	V7-4		8.6	>
Output voltage (BM AC) Vo	Vo(BM)		-3	фBр
Carrier suppression SC	SC	V6 <del>=</del> 9.0V	50	g



**AN612** 

**Test Circuit** 



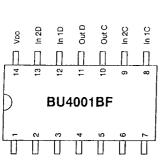
tuqtuO ροΛ Ζ٨

GND ınduj Bypass

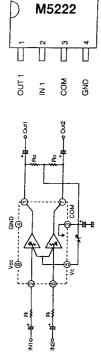
Vo-9V

110.0

Signal input



# 21) M5222FP (XA0385) Low Voltage Dual VCA



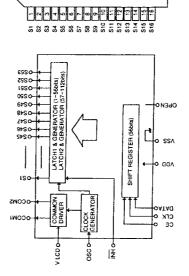
5 VC (Control)

☐ 0UT2

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_	_		_			
init	A E	Vrms	Vrms	g	μVrms	μVrms
XeX	5.5	5.5			09	,
Š	3.6	3.6	3.4	06	30	2
Σ	2.5	0.7	2.3	88		
Vcc	≋	e e	96	36	35	35
Condition	Vi=0, Vc=0	V=0. I=1kHz, Vc=0, THD=1%, RI=10kΩ, RO=20kΩ	f=1kHz, Vc=0, THD=1%, RI=50kΩ, RO=100kΩ	Vc=-270mV, RI=10kΩ, RO=20kΩ	Vc=0 (ATT=-1.4dB) RI=10kΩ, RO=20kΩ, BW=20Hz~20kHz	Vc=-40dB RI=10kΩ, RO=20kΩ, BW=20Hz-20kHz
Symbol	20	ViM	ViM2	ATTM	VNO1	VNO2
Parameter	Supply current	Max. input	vonage	Max. attenuation level	Noise output voltage	Noise output voltage

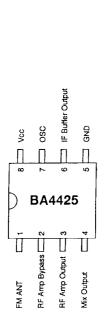
# 22) LC75821W (XA0303) LCD Driver



LC75821W

Pin Name	Description
51-553	Segment output terminal
COM1, 2	Common output terminal
VLCD	LCD Bias voltage setting terminal
osc	Oscillator terminal
CE, CLK, DATA	Serial data transmission terminal
VSS, VDD	Power supply terminal
<b> </b> ₹	Display turn off input terminal  NH="1" V8s, turn off (S1 ~ SS3, COM! 2="1")  NH="1" V6d, turn on
OPEN	No connection

23) BA4425F (XA0304) FM Front End IC



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CLEAR PRESET

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GND

NO CHARGE

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I X=Don't Care 25) L78LR05B (XA0338) Voltage Regulator

ΙĠ

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Vcc

1 CLR

FUNCTION

OUTPUTS ю

INPUTS

Truth Table

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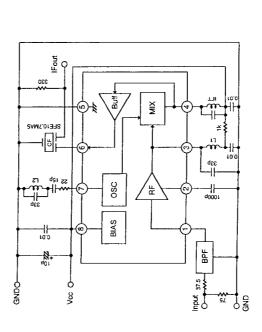
۱g I

CLR.

24) TC74AC74F (XA0305) Dual D-Type Flip Flop

Parameter	Symbol	Condition	Σ	Min Typ Max	Max	Unit
Current	0	No signal	2.6	2.6 4.5	7.2	Ą
Saturated output voltage	0,	td=98MHz, 80dBμV	တ္တ	25	72	mV rms
Local oscillator voltage	Vosc	fosc=108MHz	200	400	630	mV rms
Conversion gain	Gvc	fd=98MHz, 55dBμV	31	36	42	8
Local oscillator stop voltage	OSC STOP				1.2	>

**Test Circuit** 

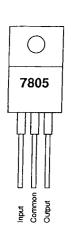


JuqtuO 78LR05 Delay capacitor to TTT П indai

	100 DESET	3 GED
		% ≥ 8 ≥
	<u></u>	
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iagram	Sea type (Sea type)	On Japanese Control of the Control o
Block Diagram	The state of the s	2008

Parameter	Symbol	Ratings	Unit
input voltage	Vin	7.5~20	>
Output current	lout	1~150	Ą
Output voltage	Vout	5.0	>

**26) MCT7805 (XA0346)** 5V Voltage Regulator



Carrier Input

П Π

29) µPC1037GR (XA0379) Double Balanced Modulator

Signal Input

Π П

μPC1037GR (MS)

Output2 3 1

2

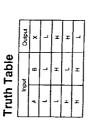
7

Output1 Vcc

GND

Bypass

27) TC4030BF (XA0347) Quad Exclusive-OR Gate



	Output	×	_	I	I	_	
}	put	8	٦	Ξ	٦	Ι	

£ 4 0	=
	4
	13 — 12

Out B

Out A

In 2A

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8 8

9

Carrier: 100mV r.m.s. 28.25MHz Signal: 70mV r.m.s. 1.75MHz

Ls

Output: 30MHz

3

Carrier leakage Signal leakage

> Out D Outc

TC4030BF

32

땅

-35

45

Signal 1: 42.5mV r.m.s. 1.75MHz Signal 2: 42.5mV r.m.s. 2.00MHz Carrier: 100mV r.m.s. 28.25MHz Output: 29.75MHz

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Inter modulated distortion

In 2C 8 In 10

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Max, 16 7 8 8

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Condition

Symbol

Characteristics

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In 1A

Vcc=6.0V

No signal

<u>8</u> ၓၟ

Conversion gain

Circuit current

12

0

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KQ//pF Ω//pF Ω//pF

Carrier input

Block Diagram

Output 1

Zci Zol

Carrier input impedance Signal input impedance

Output impedance

Zsi

500//9 350/7

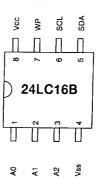
 $\prod$ 

In 18

In 2B

Vss

28) 24LC16B (XA0351) 16K bits CMOS Serial EEPROM



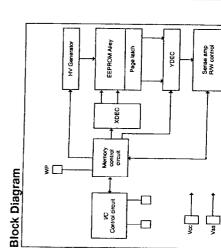
Output 2

၁၁ ဂ

2	d	್ ್ಹ್ 016	8 B 4		Description	GND terminal	Serial address/data I/O	Serial clock	Write protect	+2.5V~5.5V power supply	No connection
	Ц	Ц	Ц		Pin Name	Vss	SDA	SCL	WP	Λας	A0, A1, A2
	¥	<b>A2</b>	Vss		ď	>	S	Š	3	>	A0. A

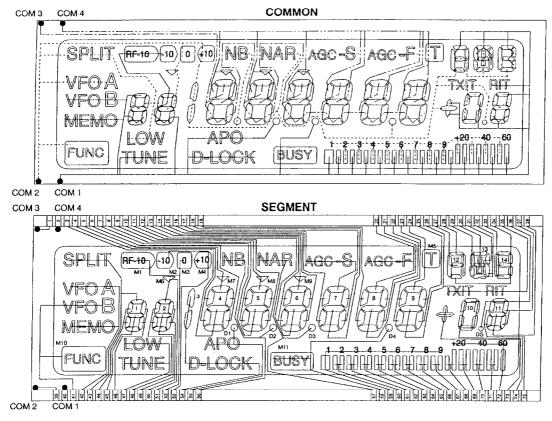
	<del></del>	
<u> </u>		-
<u> </u>		
		1
T X		Bypass
		] %
- <del>1</del>   F	<del></del>	
gnal	input tu	
க	Ē	
		7

OND O



31) LCD Connection

30) Transistor, Diode and LED Outline Drawings

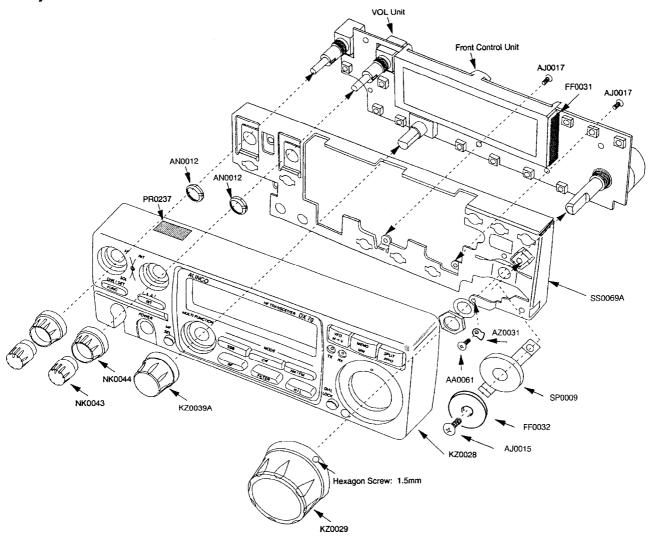


X D0257 ₩ <sup>82</sup> ]] FB <del>8</del>9 CB |-K--9 DTA123EU XU0116 20 ₹ ¥ 12 8 Š 54 þο <u>₹</u> FMA4 XT0067 E2 E B1 -|k)<sup>T6</sup> □ 굨 A 4 <u>ի</u> և 56 8 188355 XD0254 XD0254 2SC4081 XT0095 C C XU0051 XU0051 O A8 ⊐™ ΩЧ ⊐Ω 25 C3

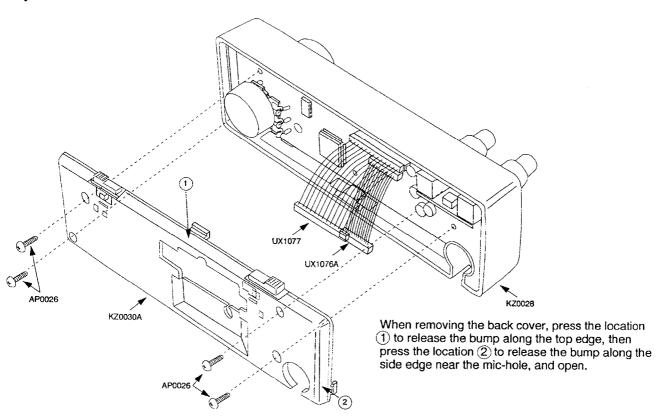
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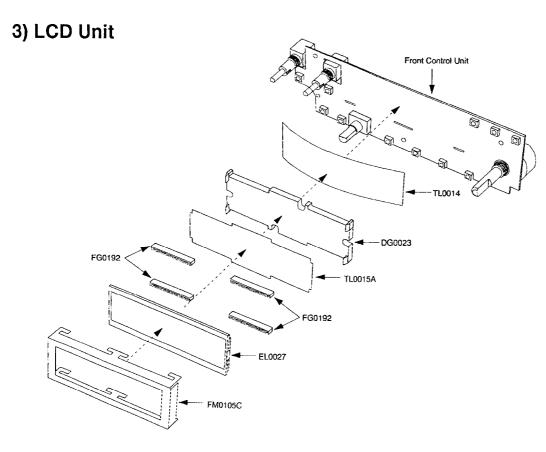
#### **EXPLODED VIEW**

#### 1) Front Control Unit 1

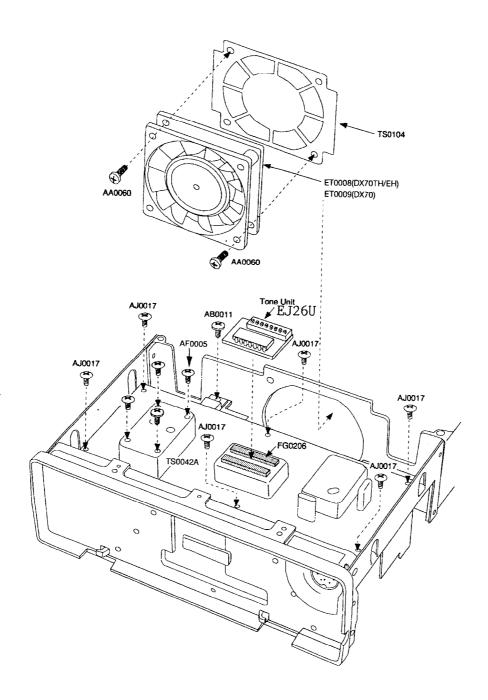


#### 2) Front Control Unit 2

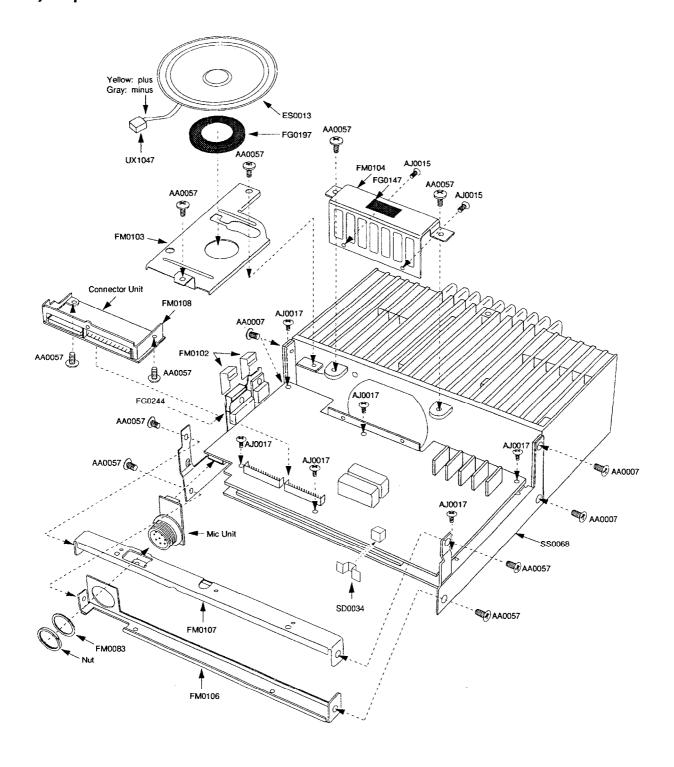




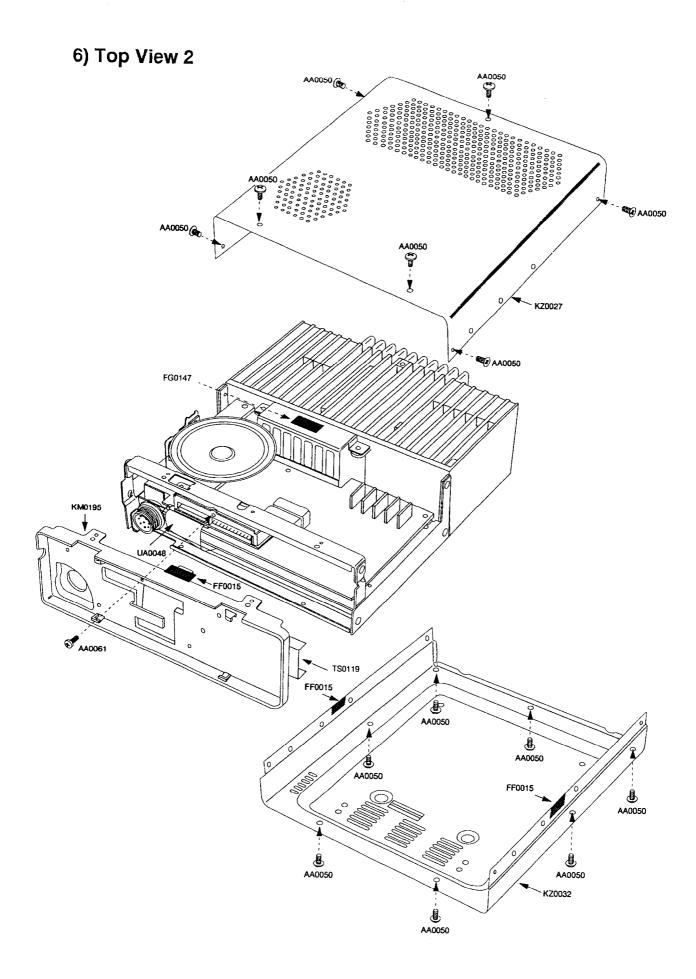
#### 4) PLL Unit and Fan



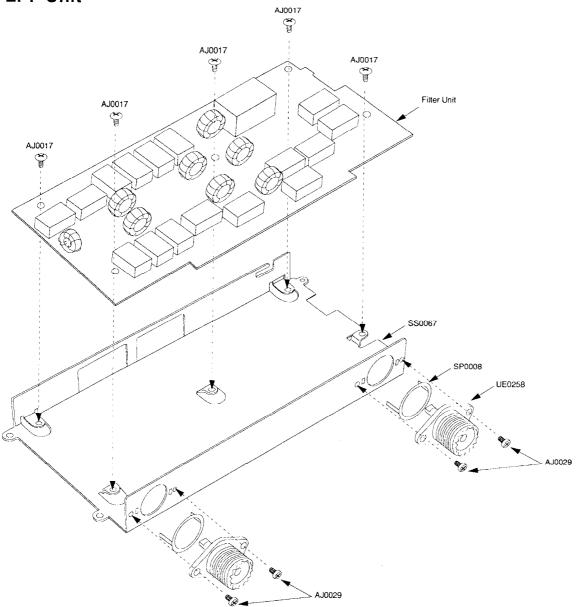
#### 5) Top View 1

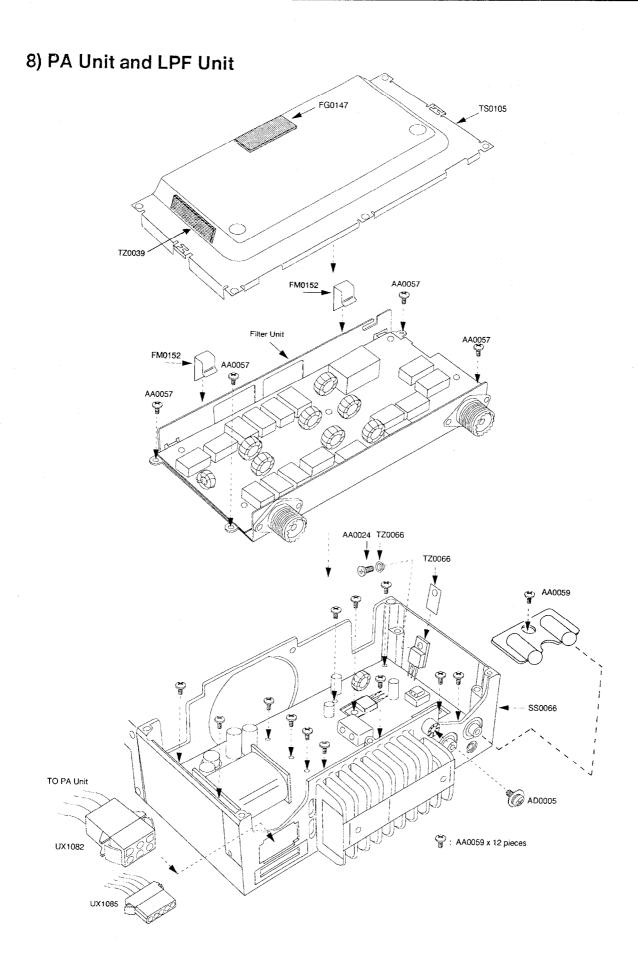


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#### 7) LPF Unit





# PARTS LIST BPF UNIT

Ver.

Parts Name C1608CH1H820JT-A

CONNECTOR Unit / FILTER Unit

C1600JBHH100KT.A
RCC09SL181J-L46AU
RCC09SL181J-L46AU
RCC09SL181J-L46AU
RCC0SBLH100KT.A
C1600BHH100KT.A
RCC0SL170J-L46AE
RCC0SL270J-L46AE
RCC0SL270J-L46AU
RCC0SL271J-L46AU
RCC0SL21J-L46AU
RCC0SL21SDJ-L46AU
RCC0SL31J-L46AU
RCC0SL31J-L46AU
RCC0SL31J-L46AU
RCC0SL31J-L46AU
RCC0SL31J-L46AU
RCC0SL320J-L46AE
RCC0SL320J-L46AE
RCC0SL330J-L46AE
RCC0SL330J-L4AE
RCC0SL330J-L4AE
RCC0SR230J-L4AE
RCC0SL330J-L4AE
RCC0SL330J-L4A

Ref				_	H	Г								[		
Š	Farts No.	Description	Parts Name	ž Š	Š	Parts No.	Description	Parts Name	Ver.	Se.	Parts No.	Description	Parts Name	Ver. Ref.	. Parts No.	Description
		BPF Unit	nit	8				C1608JF1E473ZT-A				CONNECTOR Unit	R Unit	C557	CU3022	Chip C.
BPF1	0100	ė,		D16		XD0066		RLS135TE11		CN2	UE0266	Connector	S12B-EH	C558		Chip C.
5 6	Cuana	j (2	C1608CH1H1D4ZT-A	710				RLS135TE11	_	CNB	UE0254	Connector	S13B-ZR	C559		Ceramic C.
3 5	CUSUS	i ci	C1508CH1H101JI-A	213	_	XD0066	Diode	ALS1351E11 PI S135TE11		CN14	UE0263	Connector	IMSA-9120S-13	C260		Ceramic C.
C57	CU3035	O circle	C1608 IB1H102KT A					LOISSIEII	_	CN15	UE0263	Connector	IMSA-9120S-13	58	_	Ceramic C.
88	CU3059	Opio C	C1608.1F1.F1047T-A	3 8				NL3ZZSZI-3H9J				FILTER Unit	hit	2862	_	Chip C.
C73	CU3025	Chip C.	C1608CH1H151JT-A	1 3				NL322527-282			720042		Adhesion O 47 42			Chip C.
C74	CU3034	Chip C.	C1608JB1H821KT-A	139				NI 322522T-1801		j	120042	, in the	Acriesion G-17 Ig	3 2		3 1
C75	CU3034	Chip C.	C1608JB1H821KT-A	- 64				NI 322522T-R22.L3		5 6	CC5031	Ceramic C.	ACC113L3313-L48AU	3 3		Ceramic C
C76	CU3056	Chip C.	C1608JF1E473ZT-A	-				NI 3225221-1922 1.3		3 2	7.0505	Ceramic C.	HCCOVSLBZOU	8 2		Ceramic C.
C77	CU3056	Chip C.	C1608JF1E473ZT-A	_						3 5	C113047	Chin C	CASON ISTANDART.A		C13047	ن ر و ا
				# #		RK3028	Chip R	ER.1365Y.1151V		3 6	CU0087	j (	Classic Catalog Catalo	965		5 C
D12	XD0086	Diode	RLS135TE11	R44				ERJ14YJ151H		3 6	C113047	5 5	C1508 IB1H103KT-A	200	_	5 ( 2 i
D13	XD0086	Diode	RLS135TE11	15				ERJ3GSY,1151V		3 2	CU3047	5 c	Clean Interest A	3 6		. din 0
D130	XD0088	Diode	RLS135TE11	H52				EBJ14Y,1151H		25.00	CCSO4	Comp.C.	PCCORES ORDER ARKS	3 8		Ceremic C
22	QC0079	Chip L.	NL322522T-270J							5 5	CC5064	Ceramic C.	RCC05SI 220.1-1 46AE	3 6		Caramic C
123	QC0078	Chip L.	NL322522T-220J	8	7.					C512	CU3029	Chip C.	C1608JB1H331KT-A	C574		Caramic C
E3.	OC0043	Chip L.	NL322522T-2R2J	.08 89	-	CU3030	Chip C.	C1608JB1H391KT-A		513	CC5069	Ceramic C.	RCC06SL470J-L46AU	C575		Chio
134	000129	Chip L.	NL322522T-R39J-3	8			Chip C.	C1608JB1H821KT-A		C514	560500	Ceramic C.	RCC12SL4713-L46AU	C576		Ceramic C
135	000129	Chip L.	NL322522T-R39J-3	Ö	-		Chip C.	C1608JB1H821KT-A		C515	CC5097	Ceramic C.	HM15SJSL561J	C577	_	Ceramic C.
į				Ω				C1608JF1E473ZT-A	_	C516	CC5095	Ceramic C.	RCC12SL471J-L46AU	C578	_	Chip
H39	RK4070	Chip P.	ERJ14YJ271H	5				C1608JF1E473ZT-A		C517	CC5077	Ceramic C.	RCC07SL820J-L46AU	C579		Chip
7.40	HK3015	Chip R.	ERJ3GSYJ120V	88				C1608CH1H510JT-A	_	C518	CC5067	Ceramic C.	RCC05SL330J-L46AE	C580		Ceramic C.
ž 0	HK3031	. d	ERJ3GSYJ271V	රී				C1608JB1H331KT-A		C519	CU3031	Chip C.	C1608JB1H471KT-A	C581	1 CC5083	Ceramic C.
	HK3028	. i	ERJ3GSYJ151V	රී				C1608JB1H331KT-A		C520	CU3031	Chip C.	C1608JB1H471KT-A	C582	2 CC5004	Ceramic C.
-	000+40		EHJ147J151H	රී				C1608JF1E473ZT-A		C521	CU3019	Chip C.	CI608CH1H470JT-A	C583	3 CU3047	Chip C.
8052				3 7				C1608JF1E473ZT-A		C522	CU3017	Chip C.	C1608CH1H330JT-A	C584	4 CC5095	Ceramic C.
C59	CU3040	Chip C	C1608 1814/973/CT.A	2 2				HLS1351E11		C253	CC5087	Ceramic C.	RCC09SL221J-L46AU	C585		Ceramic C.
090	CU3042	Chic	C1608.181H392KT.A	24.5	•	YDOOGA	Diode	PLS1351E11		C524	CC5077	Ceramic C.	RCC07SL820J-L46AU	C586		Ceramic C.
	CU3040	Chip C.	C1608JB1H272KT-A	138				PLS 1351E11		5525	CU3047	Chip C	C1608JB1H103KT-A	C587	7 CC5073	Ceramic C.
C62	CU3056	Chip C.	C1608JF1E473ZT-A	2				NI 309500T.0001		8 5	C03047	i de di	C1608JB1H103KT-A			
C78	CU3024	Chip C.	C1608CH1H121JT-A	3				NI 322527-1R0		282	C13037	ر ام ال	CtededB1H103R1-A	Cospo		Connector
C79	CU3033	Chip C.	C1608JB1H681KT-A	<u> </u>				NL32252T-1R0.		0,50	CC5097	Ceramir C	HATES ISLEED I	CNSUZ	000 00000	Connector
8	CU3033	Chip C.	C1608JB1H681KT-A	L42				NL322522T-R82J-3		C530	CC5097	Ceramic C.	HM15S.ISI 561.)	S S S S S S S S S S S S S S S S S S S	_	Connector
081	CU3056	Chip C.	C1608JF1E473ZT-A	7		QC0123	ChipL	NL322522T-R12J-3		C531	60200	Ceramic C.	HM15S-5L681J	CNSOS		Comedor
82	CU3056	Chip C.	C1608JF1E473ZT-A	4		QC0123		NL322522T-R12J-3		C532	CC5099	Ceramic C.	HM15SJ-SL681J	905NG	_	Connector
014	XD0086	Diode	RLS135TE11							C533	CU3047	Chip C.	C1608/B1H103KT-A	CN507		Connector
015	XD0066	Diode	RLS135TE11	R45				ERJ3GSYJ151V		5534	CU3047	Chip C.	C1608JB1H103KT-A		_	
123	X DOORA	Diode	HLS1351E11	R46		-		ERJ14YJ151H		C535	CU3047	Chip C.	C1608JB1H103KT-A	D501	11 XD0273	Diode
25.5	00000	Chin	nt.51351E11	H53	_			ERJ3GSYJ151V		C536	CU3047	Chip C.	C1608JB1H103KT-A	D502	2 XD0273	Diode
2 2	000045	ا ما	NL3225221-3R30	<del>,</del>		HK4068	Chip R.	ERJ14YJ151H		C537	CU3047	Chip C.	C1608JB1H103KT-A	D503	3 XD0273	Diode
្ន	000497	J Tollo	I OHANING IN	2000	- 4				_	C538	CC5085	Ceramic C.	RCC08SL181J-L46AU	D504		Diode
136	OC0041	Chip L.	NL3225221-1851	8		C113013	Caid	A FLOSESSENCES		C539	CC5068	Ceramic C.	RCC06SL390J-L46AU	5050		Diode
137	QC0127	Chip L.	NL322522T-B27J-3	286				C1608CH1H1901T-A		3 5	C03047		C160&JB1H1U3K1-A	020		Diode
138	QC0127	Chip L.	NL322522T-R27J-3	38				C1608CH1H181JT-A		C542	18080	Ceramic C.	HULLISL331J-L46AU	7050	XD0273	Diode
H42	RK4059	Chip R.	ERJ14Y3221H	960		CU3047		C1608JB1H103KT-A		C543	CC5093	Ceramic C.	RCC12SL391.1-1 46A11	050	_	Diode
H49	HK3028	Chip R.	ERJ3GSYJ151V	297		CU3047		C160&JB1H103KT-A		C544	CU3047	Chip C.	C1608JB1H103KT-A	D510	_	Dio d
H20	RK4068	Chip R.	ERJ14YJ151H	_					_	C545	CU3025	Chip C.	C1608CH1H151JT-A	0611	_	Diode
000				727				RLS135TE11		C546	CU3025	Chip C.	C1608CH1H151JT-A	D512		Diode
2 200	CU3034	Chin	C1608 IB1 U601 CT. A	2		9900GX	Diode	RLS135TE11	_	C547	CU3006	Chip G.	C1608CH1H050CT-A	D513		Diode
8 8	CU3037	) (1) (2) (3) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4	C1608 B1H152KT.A			18100				C548	CU3019	Chip C.	C1608CH1H470JT-A	D514	_	Diode
C65	CU3037	o ci	C1608JB1H152KT-A	48			Chip L	NL322522TR56J-3		C549	CU3047	Chip C.	C1608JB1H103KT-A	0515	5 XD0254	Diode
990	CU3056	Chio C.	C1608JF1F4737T-A	1 4				NL3225221-0473		C250	CU3047	Chip C	C1608JB1H103KT-A			
C67	CU3056	Chip C.	C1608JF1E473ZT-A					N_3623621-0473		C551	CU3047	Chip C.	C1608JB1H103KT-A	1,501		Jumper
C83	CU3022	Chip C.	C1608CH1H820JT-A	H55			Chip R.	ERJ3GSYJ221V		C553	CC5062	Ceramic C.	RCC07SI 1801-I 46AF	1503	2 OR0022	j j
8 8	CU3030	Chip C.	C1608JB1H391KT-A	£		RK4069		ERJ14YJ221H		C554	CU3047	Chip C.	C1608JB1H103KT-A	1504		3 3
C85	CU3030	Chip C	C1608JB1H391KT-A	_						C555	CU3021	Chip C.	C1608CH1H680JT-A	1.505		Chip t.
C89	CU3056	Chip C.	C1608JF1E473ZT-A	_	-					C556	CU3023	Chip C.	C1608CH1H101JT-A	1.506		Coll
														]	1	

0 ohm Jumper TMP-J02X-41 0 ohm Jumper P122A05M P122A04M 00-6208-000-112-301 P122A02M 0 ohm Jumper Troidal Core QR0022 Troidal Core QR0007 Troidal Core QR0004 NL32522T-121J Troidal Core QR0004

RLS-83TE-11
RLS-83TE-11
RLS-83TE-11
SS335 TE-17
RLS-83TE-17
RLS-83TE-17
RLS-83TE-17
RLS-83TE-17
RLS-83TE-11
RLS-83TE-11
RLS-83TE-11
RLS-83TE-11
RLS-83TE-11

Unit	
FILTER	pot.

RK4038	Š	Farts No.	Description	Parts Name	Ver.	2	Parts No.	Description	Parts Name	Ver	<u> </u>
Control   Cont	202	OKARA	70								
0.0000   O.   1.000   O.   1.000   O.   1.000   O.   0.000   O.   0.	3 8	OKA25H	3 8	COIL MR10.0 3.5T 1.0		R528	RK3038	Chip H.	ERJ3GSYJ102V		
COCCOM-   COCC	509	QR0006	Ö	Troidal Core QR0006		R530	RK3020	2 2 3 3 3 3 3 3 3	ERJ14YJ471V		
COCODE         COLOR         COLOR <t< td=""><td>510</td><td>QR0007</td><td>S</td><td>Troidal Core QR0007</td><td></td><td>R531</td><td>RK3038</td><td>C C C</td><td>EB.13GSY.1102V</td><td></td><td></td></t<>	510	QR0007	S	Troidal Core QR0007		R531	RK3038	C C C	EB.13GSY.1102V		
COURT   COIN   MAZZEZZET-11/2-1   FR35   FR0005   COIN   FR040   COURT   FR040   COURT   FR040   COURT   COIN	-	000044	Chip L	NL322522T-2R7J		H532	RK1013	Chip R.	ERJ8GEYJ560V		
Page 1971   Color	512	QC0087	Chio L	NL322527-121J		R533	RK0005	Chip R.	ERJ6GEYJ220V		
Characteristics   Characteri	514	QR0017		NL3225221-H15J-3							
1990/09-04   Col.   Troid Cong Option	516	QR0008	ষ্ট	Troidal Core OR0008		RL501	UL0007	Relay	AT0203		
CODIES         OTHOL         MINZESSETT FLUI         FLUID         FRANCE         CODIES	517	QR0009A	So.	Troidal Core OR0009A		RI 503	UL0007	Relay	ATC203		
COURT   Chief   Chie	918	OC0124	Chip L	NL32252T-R15J-3		RL504	UL0007	Relay	ATG203		
COUNTY   C	6 0	00087	Chip L.	NL322522T-121J		RL505	UL0007	Relay	ATG203		
OCCURS         CONDIG         CONDIG<	25.0	000067	Chie	NL322522T-R27J-3		RL506	UL0007	Relay	ATG203		
CODD   Col   Trockel Core OFFORT   Fig. 90   ULCOOT   Filesy   ATCRES	22	QC0124	2 S 1 J	NL322527.H1W		H.507	UC0007	Helay	ATG203		
1990   1   Coli	523	QR0010	3	Troidal Core QR0010		RL509	UL0007	Relav	ATO203		
COCKASE         Chip L.         AUZESZEZI-LUDOY         READY         AUZESZEZI-LUDOY           COCKASE         COLI MINIOD SET 10         REAS         ULDOOY         REAS         AUZDOS           COCKASE         COLI MINIOD SET 10         REAS         ULDOOY         REAS         AUZDOS           COCKASE         COLI MINIOD SET 10         REAS         ULDOOY         REAS         AUZDOS           COCKASE         COLI MINIOD SET 10         REAS         ULDOOY         REAS         AUZDOS           COCKASE         COLI MINIOD SET 10         REAS         ULDOOY         REAS         AUZDOS           COCKASE         COLI MINIOD SET 10         REAS         ULDOOY         REAS         SUPPLICATION           ALOOYS         Transistor         UNEXTILIZA         TOSO         Transistor         UNEXTILIZA         TOSO           ALOOYS         Transistor         UNEXTILIZA         TOSO         Transistor         UNEXTILIZA         TOSO         TOSO           ALOOYS         Transistor         UNEXTILIZA         TOSO         Transistor         UNEXTILIZA         TOSO         TOSO <td>524</td> <td>QR0011</td> <td>ÇŌ</td> <td>Troidal Core QR0011</td> <td></td> <td>RL510</td> <td>UL0007</td> <td>Relay</td> <td>ATG203</td> <td></td> <td>C1002</td>	524	QR0011	ÇŌ	Troidal Core QR0011		RL510	UL0007	Relay	ATG203		C1002
COMODAS         COLIL MATIO 25 TI 10         RISTS         LUGOTY         Relay         ATCZ203           COCODAS         COLIL MATIO 26 ST 10         RISTS         LUGOTY         Relay         ATCZ203           COCODAS         COLIL MATIO 26 ST 10         RISTS         LUGOTY         Relay         ATCZ203           COCASS         COLIL MATIO 26 ST 10         RISTS         LUGOTY         Relay         ATCZ203           COCASS         COLIL MATIO 26 ST 10         RISTS         LUGOTY         Relay         ATCZ203           COCODAS         COLIL MATIO 26 ST 10         RISTS         LUGOTY         Relay         ATCZ203           COCODAS         COLIL MATIO 26 ST 10         RISTS         LUGOTY         Relay         ATCZ203           COCODAS         COLIL MATIO 26 ST 10         RISTS         LUGOTY         Relay         ATCZ203           COCODAS         COLIL MATIO 26 ST 10         RISTS         LUGOTY         Relay         ATCZ203           COLOR         Transistor         LUGOTY         Relay         ATCZ203         VARIAN           COLOR         Transistor         RAA         WESSE         LUGOTY         Relay         ATCZ203           COLOR         Transistor         RAA         WESSE <td>525</td> <td>000048</td> <td>Chip L</td> <td>NL322522T-100J</td> <td>_</td> <td>RL511</td> <td>UL0007</td> <td>Relay</td> <td>ATG203</td> <td></td> <td>C1003</td>	525	000048	Chip L	NL322522T-100J	_	RL511	UL0007	Relay	ATG203		C1003
Оргости Органия         Органия         АПД 2000         На разовати (долго долго	97.0	OKA75H	<u> </u>	COIL MR10.0 7.5T 1.0		RL512	UL0007	Relay	ATG203		0100
Обосковний собы         Ост. М. 1972 (1700)         PR. 151 (1700)         PR. 151 (1700)         PR. 151 (1700)         PR. 152 (1700)		OCODAS	3 8	COIL MH10.0 6.5T 1.0		RL513	00007	Helay	ATC203		C1005
ОКИАБЕН         COIL         COIL MR10.0 5.5 T.10         RL516         ULGOOT         Reinty         ATGZEG           ОКМАНО         COIL MR10.0 5.5 T.10         RL517         ULGOOT         Reinty         XTGZEG           ОКМАНО         COIL MR10.0 4.5 T.10         RL517         ULGOOT         Reinty         XTGZEG           ОКМАНО         COIL MR10.0 4.5 T.10         RAD         XTGZEGT.100         SASOT         REVENTA           XUGOTS         Transistor         UMAZELTTA         WSGD         UX1099         Wire         WWIRE FLITERAMIN 2           XUGOTS         Transistor         PAAA         WSGD         UX1099         Wire         WWIRE FLITERAMIN 2           XUGOTS         Transistor         PAAA         WSGD         UX1099         Wire         WWIRE FLITERAMIN 3           XUGOTS         Transistor         PAAA         WSGD         UX1099         Wire         WWIRE FLITERAMIN 3           XUGOTS         Transistor         PAAA         WSGD         UX1099         Wire         WWIRE FLITERAMIN 3           XUGOTS         Transistor         PAAA         WSGD         UX1099         Wire         WWIRE FLITERAMIN 3           XUGOTS         Transistor         PAAA         RELISECYJOSA         R		QB0337	Inductor	78F9590.00		RI 515	11 0007	Relay Balay	AT0203		C1006
COCKMASH         COIL MARIO G 57 10         RL517         ULODIS         Relay         SVR-12           COCMASG         Only L.         COIL MARIO G 57 10         SASO1         EU0001         Svcg absorce           XU00736         Transistor         UMSZLL-TX         TCS01         CT0035         Trimmast           XU00736         Transistor         PMSZLL-TX         WSO6         UX1079         Wine         Wine-ILTER-MAIN 2           XU00736         Transistor         PMSZLL-TX         WSO6         UX1079         Wine         Wine-ILTER-MAIN 2           XU00737         Transistor         PMA4         WSO6         UX1079         Wine         Wine-ILTER-MAIN 3           XU00740         Wine         PELBGEY-USCU         WSO6         UX1079         Wine         Wine-ILTER-MAIN 3           XU00757         Transistor         PMA4         AS         ERLAGEY		QKA55H	Coil	COIL MR10.0 5.5T 1.0		RL516	UL0007	Relay	ATQ203		2000
OCCODAS B         OTHO L.         NUZBESZT-100.0         SASOIT         EU0001         SASOITAA           XUO078 FFT         Transistor         UNBZ1L-TX         TGS01         Trimmer         ECV1ZNZOXS3T           XUO078 FFT         Transistor         UNBZ1L-TX         WSOG         UX1079         Wire         Wire FLTERAMAIN 2           XUO078 Transistor         Transistor         MAA         WSOG         UX1090         Wire FLTERAMAIN 3           XUO016 Transistor         Transistor         DTA128LIT106         WSOG         UX1090         Wire FLTERAMAIN 3           XUO016 Transistor         Transistor         DTA128LIT106         WSOG         UX1090         Wire FLTERAMAIN 3           XUO016 Transistor         Transistor         DTA128LIT106         WSOG         UX1090         Wire FLTERAMAIN 3           XUO016 Transistor         Transistor         DTA128LIT106         WSOG         UX1090         Wire FLTERAMAIN 3           XUO016 Transistor         Transistor         DTA128LIT106         WSOG         UX1090         Wire FLTERAMAIN 3           XUO017 Transistor         Dip R.         ENAGES/LIGOV         ENAGES/LIGOV         WSOG         UX1090         Wire FLTERAMAIN 3           RKU005 Chip R.         ENAGES/LIGOV         ENAGES/LIGOV         E	 E	OKA45H	Ö	COIL MR10.0 4.5T 1.0		RL517	010015	Relay	SVR-12		C1009
Microsope   Coli MRS 0 4 01 0.6   SAS01   E10001   Surga basedone   DSA-301LA	22.5	QC0048	Chip L	NL322522T-100J							C1010
XU0078         Fransistor         UNAZIL-TX         TC501         CT0035         Trimme         ECV1ZW2DXS3T           XE0026         Transistor         AM421—TX         W506         UX1079         Wire         Wrea FLTER-MAIN 2           XT0067         Transistor         FMA4         W509         UX1090         Wire         Wrea FLTER-MAIN 3           XT0067         Transistor         FMA4         W509         UX1090         Wire         Wrea FLTER-MAIN 3           XT0067         Transistor         FMA4         W509         UX1090         Wire         Wrea FLTER-MAIN 3           XT0067         Transistor         FMA4         W509         UX1090         Wire         Wrea FLTER-MAIN 3           XT0067         Transistor         FMA4         W509         UX1090         Wire         Wire FLTER-MAIN 3           XT0067         Transistor         FMA4         W509         UX1090         Wire         Wire FLTER-MAIN 3           XT0067         Transistor         GNip R.         FRA326CV133V         RK3060         Wire FLTER-MAIN 3           RK0058         CNip R.         FRA326SV103V         RK3060         CNip R.         FRA326SV103V           RK3060         CNip R.         FRA326SV103V         RK306S<	 	QKA45G	₹	COIL MR5.0 4.0T 0.6		SA501	EU0001	Surge absorber	DSA-301LA		C1011
XEODOS         FET         25R/2171-4         WSGB         UXT0079         Wire         VAVARANDASA1           XU0078         Transistor         PMA4         WSGB         UX1090         Wire         WWFFLTER-MAIN 2           XU0116         Transistor         PMA4         PMA4         WSGB         UX1090         Wire           XT0067         Transistor         PMA4         PMA4         PMA4         PMA4           XL00118         Transistor         PMA4         PMA	109	XU0078	Transistor	UN521L-TX		TC501	CTD035	Tommor	100000000000000000000000000000000000000		C1914
XUDO78         Transistor         UNEZIL-TX         W566         UX1079         Wire         Wire FILTER-MAIN 2           XUD16         Transistor         FMA4         W509         UX1090         Wire         Wire FILTER-MAIN 3           XUD16         Transistor         FMA4         W509         UX1090         Wire         Wire FILTER-MAIN 3           XUD16         Transistor         FMA4         W509         UX1090         Wire         Wire FILTER-MAIN 3           XUD16         Transistor         FMA4         W509         W509         Wire         Wire FILTER-MAIN 3           XUD16         Transistor         FMA4         W509         W509         Wire FILTER-MAIN 3           XUD17         Transistor         FMA4         W509         Wire FILTER-MAIN 3           XUD17         Transistor         FMA4         W509         Wire FILTER-MAIN 3           RX006         Chip R.         FRAGEL/100         Wire FILTER-MAIN 3         W600-100           RX007         Chip R.         FRAGEL/200         W600-100         W600-100         W600-100           RX005         Chip R.         FRAGEL/200         W600-100         FRAGEL/200         W600-100         W600-100         FRAGEL/200           RX006 <td>202</td> <td>XE0026</td> <td>Fi</td> <td>2SK2171-4</td> <td></td> <td>}</td> <td></td> <td>5</td> <td>ECVIÇWZUA531</td> <td></td> <td>C1016</td>	202	XE0026	Fi	2SK2171-4		}		5	ECVIÇWZUA531		C1016
X/10067         Transistor         FMA4         W6507         UA0500         Power cond         FFC SMCD-12X69-60           X/10016         Transistor         FMA4         W6508         UX1090         Wire         Wire FILTER-MAIN 3           X/1016         Transistor         FMA4         FMA6         Wire FILTER-MAIN 3         Wire FILTER-MAIN 3           X/10118         Transistor         FMA6         FMA6         Wire FILTER-MAIN 3           X/10118         Transistor         FMA6         FMA6         Wire FILTER-MAIN 3           X/10118         Transistor         FMA6         FMA6         Wire FILTER-MAIN 3           RK0405         Chip R.         FRA6         FRA6         FMA6           RK0405         Chip R.         FRA6         FMA6         FMA6           RK0005         Chip R.         FRA6         FMA6         FMA6           RK0005         Chip R.         FMA6         FMA6           RK0005         Chip R.         FMA6		XU0078	Transistor	UN521L-TX		W506	9X1079	Wire	Wire FILTER-MAIN 2		C1017
XOUTO FT Transion         Transion         DYA122EUT106         Wire         WIRE FILTER-MAIN 3           XTO067         Transion         FMA4         FMA4         WG08         UX1090         Wire FILTER-MAIN 3           XTO067         Transion         FMA4         FMA4         FMA4         FMA4           XU0116         Transion         DTA123EUT106         FMA4         FMA4           RK0056         Chip R.         ERJ8GEVJ83V         ERJ8GEVJ83V         ERJ8GEVJ33V           RK0056         Chip R.         ERJ3GEVJ03V         ERJ3GEVJ103V         ERJ3GEVJ103V           RK0056         Chip R.         ERJ3GEVJ103V         ERJ3GEVJ103V         ERJ3GEVJ103V           RK0056         Chip R.         ERJ3GEVJ103V         ERJ3GEVJ103V         ERJ3GEVJ103V           RK3060         Chip R.         ERJ3GEVJ103V         ERJ3GEVJ103V         ERJ3GEVJ103V           RK3062         Chip R.         ERJ3GEVJ103V         ERJ3GEVJ103V         ERJ3GEVJ103V           RK3062         Chip R.         ERJ3GEVJ103V         ERJ3GEVJ103V         ERJ3GEVJ103V           RK3062         Chip R.         ERJ3GEVJ102V         ERJ3GEVJ102V         ERJ3GEVJ102V           RK3062         Chip R.         ERJ3GGEVJ102V         ERJ3GGEVJ102V		XT0067	Transistor	FMA4		W507	UA0050	Power cord	FFC SMCD-12X95-BD		C1018
XTONGS         Transistor         FMA4           XU0116         Transistor         FMA4           XU0116         Transistor         DTA123EU/106           RK0065         Chip A.         ERJ6GEVJ8G3V           RK1020         Chip A.         ERJ3GEVJ151V           RK0065         Chip A.         ERJ3GEVJ103V           RK0065         Chip A.         ERJ3GEVJ103V           RK0065         Chip A.         ERJ3GEVJ103V           RK0065         Chip A.         ERJ3GSVJ103V           RK0065         Chip A.         ERJ3GSVJ103V           RK0065         Chip A.         ERJ3GSVJ103V           RK3050         Chip A.         ERJ3GSVJ103V           RK3062         Chip A.         ERJ3GSVJ103V           RK3062         Chip A.         ERJ3GSVJ103V           RK3062         Chip A.         ERJ3GSVJ103V           RK3060         Chip A.         ERJ3GSVJ102V		XT0067	Transistor	DTA123EUT106		W508	UX1080	Wire	Wire FILTER-MAIN 3		C1019
XU0116         Transition           PK0065         Chip R.         ERJACZEUT106           PK1020         Chip R.         ERJACZEUT106           PK1020         Chip R.         ERJACZEUT103           PK1020         Chip R.         ERJACZEVISOV           PK0005         Chip R.         ERJACSEVISOV           PK0005         Chip R.         ERJACSEVISOV           PK3060         Chip R.         ERJACSEVISOV           PK3060         Chip R.         ERJACSEVISOV           PK3060         Chip R.         ERJACSEVISOV           PK3062         Chip R.         ERJACSEVISOV           PK3062         Chip R.         ERJACSEVIDOV           PK3062         Chip R.         ERJACSEVIDOV           PK3062         Chip R.         ERJACSEVIDOV           PK3062         Chip R.         ERJACSEVIDOV           PK3063         Chip R.         ERJACSEVIDOV           PK3064         Chip R.         ERJACSEVIDOV           PK3065         Chip R.         ERJACSEVIDOV           PK3068         Chip R.         ERJACSEVIDOV           PK3069         Chip R.         ERJACSEVIDOV           PK3069         Chip R.         ERJACSEVIDOV		XT0067	Transistor	FMA4							C1020
RK0065         Chip R.         ERLGEFYJ863V           RK4026         Chip R.         ERJ447680V           RK1020         Chip R.         ERJ362V151V           RK1020         Chip R.         ERJ362V103V           RK0060         Chip R.         ERJ406EV1220V           RK0065         Chip R.         ERJ406EV1220V           RK0060         Chip R.         ERJ406EV1220V           RK3060         Chip R.         ERJ36SV103V           RK3062         Chip R.         ERJ36SV103V           RK3062         Chip R.         ERJ36SV104V           RK3062         Chip R.         ERJ36SV104V           RK3062         Chip R.         ERJ36SV103V           RK3063         Chip R.         ERJ36SV102V           RK30642         Chip R.         ERJ36SV102V           RK3065         Chip R.         ERJ36SV102V           RK3066         Chip R.         ERJ36SV102V           RK3067         Chip R.         ERJ36SV102V		XU0116	Transistor	DTA1235UT106							0.00
RK0066         Chip R.         ERJ6GEVJ6G3V           RK1026         Chip R.         ERJ14VJ60V           RK1020         Chip R.         ERJ14VJ60V           RK0050         Chip R.         ERJ6GEVJ61V           RK0055         Chip R.         ERJ6GEVJ22V           RK0050         Chip R.         ERJ6GEVJ22V           RK0050         Chip R.         ERJ3GSVJ103V           RK3050         Chip R.         ERJ3GSVJ103V           RK3050         Chip R.         ERJ3GSVJ103V           RK3062         Chip R.         ERJ3GSVJ103V           RK3060         Chip R.         ERJ3GSVJ102V           RK3060         Chip R.         ERJ3GSVJ102V											C1023
RK4054         Chip R.         ERJ14V-J660V           RK1020         Chip R.         ERJ36SV-J151V           RK1036         Chip R.         ERJ36SV-J151V           RK0065         Chip R.         ERJ46EV-J220V           RK0065         Chip R.         ERJ46EV-J220V           RK0060         Chip R.         ERJ46EV-J220V           RK3050         Chip R.         ERJ3GSV-J103V           RK3052         Chip R.         ERJ3GSV-J103V           RK3062         Chip R.         ERJ3GSV-J104V           RK3062         Chip R.         ERJ3GSV-J103V           RK3063         Chip R.         ERJ3GSV-J102V           RK3064         Chip R.         ERJ3GSV-J102V           RK3065         Chip R.         ERJ3GSV-J102V           RK3066         Chip R.         ERJ3GSV-J102V           RK3067         Chip R.	_	RK0065	Chip R.	ERJ6GEYJ683V							C1024
Minches   Chip A.   E-MadeEV183V     Minches   Chip A.   E-MadeEV183V     Mc0065   Chip A.   E-MadeEV183V     Mc0065   Chip A.   E-MadeEV103V     Mc0065   Chip A.   E-MadeEV1220V     Mc0060   Chip A.   E-MadeEV1220V     Mc0060   Chip A.   E-MadeEV103V     Mc0060   Chip A.   E-MadeEV103V     Mc0060   Chip A.   E-MadeEV1103V     Mc0060   Chip A.   E-MadeEV1103V     Mc0060   Chip A.   E-MadeEV1103V     Mc0060   Chip A.   E-MadeEV1103V     Mc0060   Chip A.   E-MadeEV1220V     Mc0060   Chip A.   E-MadeEV120V     Mc00		HX4054	G. G.	ERJ14YJ560V							C1025
RF0365         Chip A.         ERJAGSVIDA           RK0065         Chip A.         ERJAGSVIDA           RK0065         Chip A.         ERJAGSVIDA           RK0360         Chip A.         ERJAGSVIDA           RK3080         Chip A.         ERJAGSVIDA           RK3082         Chip A.         ERJAGSVIDA           RK3083         Chip A.         ERJAGSVIDA           RK3084         Chip A.         ERJAGSVIDA           RK3085         Chip A.         ERJAGSVIDA           RK3086         Chip A.         ERJAGSVIDA           RK3089         Chip A.         ERJAGSVIDA           RK3080         Chip A.         ERJAGSVIDA           RK3080<		BD1013	Cally 7.	CHUSGEYJ151V	-						C1026
RK0065         Chip R.         ERAGEF/1820           RK0005         Chip R.         ERAGEF/1820           RK0060         Chip R.         ERAGEF/1820           RK0360         Chip R.         ERAGSSV103V           RK0362         Chip R.         ERAJGSV1103V           RK0362         Chip R.         ERAJGSV1152V           RK0362         Chip R.         ERAJGSV1104V           RK0362         Chip R.         ERAJGSV1104V           RK0402         Chip R.         ERAJGSV1103V           RK0402         Chip R.         ERAJGSV1103V           RK0403         Chip R.         ERAJGSV1103V           RK0404         Chip R.         ERAJGSV1102V           RK0405         Chip R.         ERAJGSV1102V           RK0505         Chip R.         ERAJGSV1102V           RK0506         Chip R.         ERAJGSV1102V           RK0507         Chip R.         ERAJGSV1102V           RK0508         Chip R.         ERAJGSV1102V		RK3050	S e e	FB.19GSV 1103V							C1027
RK0005         Chip R.         ERJ6GEYJ220V           RK3060         Chip R.         ERJ6GEYJ220V           RK3060         Chip R.         ERJ3GSYJ103V           RK3042         Chip R.         ERJ3GSYJ103V           RK3062         Chip R.         ERJ3GSYJ104V           RK3062         Chip R.         ERJ3GSYJ104V           RK3062         Chip R.         ERJ3GSYJ104V           RK3062         Chip R.         ERJ3GSYJ103V           RK3062         Chip R.         ERJ3GSYJ103V           RK3060         Chip R.         ERJ3GSYJ103V           RK3060         Chip R.         ERJ3GSYJ103V           RK3062         Chip R.         ERJ3GSYJ103V           RK3063         Chip R.         ERJ3GSYJ102V           RK3069         Chip R.         ERJ3GSYJ102V </td <td></td> <td>RK0065</td> <td>Chip R.</td> <td>ERJ6GEYJ683V</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>02020</td>		RK0065	Chip R.	ERJ6GEYJ683V							02020
AKODOS         Chip R.         EH-GEE/U220V           RK30850         Chip R.         ER-JASSA/J103V           RK3082         Chip R.         ER-JASSA/J103V           RK3082         Chip R.         ER-JASSA/J103V           RK3082         Chip R.         ER-JASSA/J104V           RK3080         Chip R.         ER-JASSA/J103V           RK3080         Chip R.         ER-JASSA/J103V           RK3082         Chip R.         ER-JASSA/J103V           RK3083         Chip R.         ER-JASSA/J102V           RK3038         Chip R.         ER-JASSA/J102V           RK3039         Chip R.         ER-JASSA/J102V		RKD005	Chip R.	ERJ6GEYJ220V							01030
MK3080	_	RK0005	Chip R.	ERJ6GEYJ220V						-	C1031
HK3042		RK3050	C. in	ERJ3GSYJ103V							C1032
RK3062         Onp. 1.         ERJ3354 J1524 V           RK3062         Chp R.         ERJ3354 J104 V           RK3062         Chp R.         ERJ3554 J104 V           RK3062         Chp R.         ERJ3554 J104 V           RK3062         Chp R.         ERJ3554 J103 V           RK3060         Chp R.         ERJ3554 J103 V           RK3060         Chp R.         ERJ3554 J103 V           RK3062         Chp R.         ERJ3554 J103 V           RK3063         Chp R.         ERJ3554 J102 V           RK3064         Chp R.         ERJ3554 J102 V           RK3065         Chp R.         ERJ3554 J102 V           RK3069         Chp R.         ERJ35554 J102 V           RK3069         Chp R.	_	RK3042	. a e	ERU3GSYJ103V							C1033
PK3062         Ohip R.         ERJ3GSYJ104V           PK3062         Ohip R.         ERJ3GSYJ104V           PK3062         Ohip R.         ERJ3GSYJ103V           PK3060         Ohip R.         ERJ3GSYJ103V           PK3060         Ohip R.         ERJ3GSYJ103V           RK3026         Ohip R.         ERJ3GSYJ103V           RK3026         Ohip R.         ERJ3GSYJ102V           RK005         Ohip R.         ERJ3GSYJ102V           RK005         Ohip R.         ERJ3GSYJ102V           RK3028         Ohip R.         ERJ3GSYJ102V           RK3029         Ohip R.         ERJ3GSYJ102V           RK3029         Ohip R.         ERJ3GSYJ102V           RK3029         Ohip R.         ERJ3GSYJ102V           RK3039         Ohip R.         ERJ3GSYJ102V           RK3039         Ohip R.         ERJ3GSYJ102V           RK3039         Ohip R.         ERJ3GSYJ102V		RK3052	Chip R.	ERJ3GSYJ153V							51034
RK3082         Chip R.         ERJ3GSYJ104V           RK3062         Chip R.         ERJ3GSYJ153V           RK3060         Chip R.         ERJ3GSYJ103V           RK3060         Chip R.         ERJ3GSYJ103V           RK3062         Chip R.         ERJ3GSYJ103V           RK3062         Chip R.         ERJ3GSYJ101V           RK3063         Chip R.         ERJ3GSYJ101V           RK3063         Chip R.         ERJ3GSYJ102V		RK3062	Chip R.	ERJ3GSYJ104V							C1036
RX3062         Chip R.         ERJ3GSVJ153V           RX3042         Chip R.         ERJ3GSVJ22ZV           RX3060         Chip R.         ERJ3GSVJ103V           RX3061         Chip R.         ERJ3GSVJ103V           RX3062         Chip R.         ERJ3GSVJ103V           RX3062         Chip R.         ERJ3GSVJ102V           RX0005         Chip R.         ERJ3GSVJ102V           RX013         Chip R.         ERJ3GSVJ102V		RK3062	Chip R.	ERJ3GSYJ104V							C1037
HX3442 (7)hp R. EFAJGSY/1222V  HX3600 (7)hp R. EFAJGSY/1034V  HX3601 (7)hp R. EFAJGSY/1034V  HX3602 (7)hp R. EFAJGSY/101V  HX363 (7)hp R. EFAJGSY/102V		RK3052	Chip R.	ERJ3GSYJ153V							C1038
RK0060			E 0	ERJ3GSYJ222V							C1039
RK3042         Ohip R.         ERJ35SYJ222V           RK0056         Chip R.         ERJ36SYJ101V           RK0056         Chip R.         ERJ66EVJ220V           RK0038         Chip R.         ERJ36SYJ102V           RK0038         Chip R.         ERJ36SYJ102V           RK0029         Chip R.         ERJ36SYJ102V           RK0039         Chip R.         ERJ36SYJ102V           RK0039         Chip R.         ERJ36SYJ102V           RK0039         Chip R.         ERJ36SYJ102V           RK0039         Chip R.         ERJ36SYJ102V			Chica.	FRIBGSYITM							C1040
RKG026         Ohp R.         ERJaGSYJ101V           RK005         Ohp R.         EFJaGSYJ102V           RK3C38         Ohp R.         EFJaGSYJ102V           RK3C30         Ohp R.         EFJaGSYJ102V           RK3C38         Ohp R.         EFJaGSYJ102V           RK3C38         Ohp R.         EFJaGSYJ102V           RK3C38         Ohp R.         EFJAGSYJ102V           RK3C38         Ohp R.         EFJAGSYJ102V			Chip R.	ERJ3GSYJ222V							2010
RKXX38         Chip R.         ERJGGEV/2220V           HKXX38         Chip R.         ERJ3GSYJ102V           HKXX38         Chip R.         ERJ3GSYJ102V           HKXX20         Chip R.         ERJ3GSYJ330V           HKXX38         Chip R.         ERJ3GSYJ102V           HKXX38         Chip R.         ERJ3GSYJ102V	_	RK3026	Chip R.	ERJ3GSYJ101V							C1043
FK6038         Chip R.         ERJ3GSYJ102V           FK3038         Chip R.         EFJ3GSYJ30V           FK3020         Chip R.         EFJ3GSYJ30V           FK303         Chip R.         EFJ3GSYJ102V           FK703         Chip R.         EFJ3GSYJ102V		RK0005	Chip R.	ERJ6GEYJ220V							010
FK3038         Chip R.         EFL3GSYJ102V           FK3020         Chip R.         EFL3GSYJ330V           FK303         Chip R.         EFL3GSYJ102V           FK303         Chip R.         EPL3GSYJ102V		HK3038	Chip R.	ERJ3GSYJ102V							C1045
HKGLZD Chip R. EFLAGSYJ330V RKRGAS Chip R. EPLAGSYJ102V RKRGAS Chip C. EPLAGSYJ102V		RK3038	Chip R.	ERJ3GSYJ102V							CN100
RYGYS Child H. ENGLASYJOZY RYGYS Child The CONTROL OF THE CONTROL	_		٠	ERJ3GSYJ330V							CN100
				ERJ3GSYJ102V							CNID

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No.	Parts No.	Description	Parts Name	Ver.	Ref.	Parts No.	Description	Parts Name	Ver
		FRONT Unit	Unit	T	CN1004	HEDIEK			
	TT 1003			L	D1002	XL0043	Connector	B48-ZR	
	TL 0015A		Libe 1.0 1mm		01003	XL0042		CL-1708-CD-1	
	FMOTORC				D1004	XD0230	) io	CELLOGOSTI TAGE	
	FI 0027		9EXC CO.		D1005	XD0230	ع و	D4N2021 T106	
	111002		בנים טאופ		D1007	XD0230	Diode of	DANISOS 1 100	
	72000011		mmi n.i edni		D1008	X00254	Single of	מווי ספטורט	
	07.020 TO		FRONT Circuit Board D	Į.	0100	XD0230	Biode i	199000 16-17	_
	OPUZB/C		FRONT Circuit Board C	Farly	01010	VD0230	e constant	DANZUZU LIU6	_
	111002		Tube 1.0 1mm			XD0230	Dide	DANZ02U T106	
	0.50023		LCD Light		9	XD0054	DIOGE	DAN202U T106	
	10014		LCD Filter		2 6	YDOO'S	Ciode	1SS355 TE-17	
	FG0192		LCD Rubber Connector		200	XD0254	Diode	1SS355 TE-17	
	FG0192		LCD Rubber Connector		81010	XD0160	Diode	DTZ4.3B TT11	
	FG0192		LCD Rubber Connector	_	01019	XD0254	Diode	1SS355 TE-17	
	FG0192		LCD Rubber Connector		D1020	XD0230	Diode	DAN202U T106	
	TZ0028		Pinguis Danie Co.		D1021	XD0230	Diode	DAN2021 TTO	
C1002	CU3035	Chip	C1600 ID1U1000T A		01022	XD0254	Diode	15S355 TE-17	
C1003	C113101	, c	Cleuchai Higght-A		D1024	XD0230	Diode .	Dakisos i Tine	
20.0	C13404	j (	C1508JB1H473KI-A		01025	XD0230	Diode	0.0000000000000000000000000000000000000	
3 8	CUSIO	ن و و و و	C1608JB1H473KT-A		102	XDO230	e e e	DANZOZU 1106	
5000	CU3039	i dirigi	C1608JB1H222KT-A		07007	XD0230	Diade	DAN202U T106	
9	COSCISE	C) diffo	C1608JB1H102KT-A		7000	XD0230	Diode	DAN202U T106	
C1007	CU3035	Chip C.	C1608JB1H102KT-A		87010	XC0230	Diode	DAN202U T106	
88	CU3039	Chip C.	C1608JB1H222KT-A		01029	XD0230	Diode	DAN202U T108	_
C1009	CU3035	Chip C.	C1608JB1H102KT-A		01030	XD0230	Diode	DANZ02U T106	
C1010	CS0230	Chip Tantal	TMCMA1E105MTR		1011001	XA0296	õ	MC14071BE12	
C1011	CU3059	Chip C.	C1608JF1E104ZT-A		101002	XAD575	<u> </u>	TCAOSOBEACED	
C1014	CU3020	Chip C.	C1608CH1H580JT-A	_	IC1003	XA0299	<u> </u>	RIMOTE-T1	
C1015	CU3020	Chip C,	C1508CH1H56QJT-A		0010	XA0295	<u> 0</u>	MC34024BE	
C1016	CU3059	Chip C.	C1608JF1E104ZT-A		1005	XA0351	ي د	241046	
C1017	CE0351	Electrolytic C.	16MV220HC		21006	XAU393A	<u> </u>	24C010B	
C1018	CU3047	Chip C.	C1608.1B1H103KT-A		1001	XACC30	2 (	CPU UX-70	
C1019	CE0315	Electrolytic C	ECEVIC 64708			AA0030	<u>، د</u>	L/8LH05B-TUTR	
C1020	CU3035	Chip C.	C1608 IB1H109KT.A		8 6	X40075	2 9	NJM78L08UA-TE1	
C1021	CS0061	Chip Tantal	TMCSAWSAMTE		5	vaccous.	<u>۔۔۔</u> د	LC/5821W	
C1002	CE0375	Flectrolidio	TIMOSAL VZZAMI II	_	-				_
0103	Ct 13035	Chie C	lacvezubs		200	UC0489	Chip L	LQH4N221J04	
7,01	CEOSTE	5 1 1 1	CI608JB1H10ZK1-A						
1000	CC0213	Electrosytic C.	ECEVICA470P		P. 100	EP0009	Lamp	BQ031-20805A	
21023	C-50230	Chip i antal	TMCMA1E105MTR		PL1002	EP0009	Lamp	BQ031-20805A	
2000	CU3047	ن د د د د د د د	C1608JB1H103KT-A		PL1003	EP0009	Lamp	BQ031-20805A	
2002	CU3043	Chp c	C1608JB1H472KT-A		PL1004	EP0009	Lamp	BC031-20805A	
200	CE0315	Electrolytic C.	ECEV1CA470P						
800	CU3035	Chip C.	C1608JB1H102KT-A		91001	XT0094	Transistor	2SA1576T106R	
01030	CU3059	Chip C.	C1608JF1E104ZT-A		Q1002	XU0061	Transistor	UN5211-TX	
5	CU3047	Chip C.	C1608JB1H103KT-A		01003	XT0061	Transistor	2SB1132T1000	
C1032	CU3047	Chip C.	C1608JB1H103KT-A		21004	XT0095	Transistor	2SC4081T106R	
C1033	CU3047	Chip C.	C1608JB1H103KT-A	_	91005	XT0095	Transistor	2SC4081T106R	
01034	CU3047	Chip	C1608JB1H103KT-A		21006	XU0061	Transistor	UN5211-TX	
5000	CU3047	Chip C.	C1608JB1H103KT-A		01009	XU0061	Transistor	UN5211-TX	
2010	CU3035	Chip C.	C1608JB1H102KT-A		01010	XU0061	Transistor	UN5211-TX	
C1037	CU3047	Chip C.	C1608JB1H103KT-A		01011	XU0061	Transistor	UN5211-TX	
200	CU3047	Chip C.	C1608JB1H103KT-A						-
900	CU3047	Chip C.	C1608JB1H103KT-A		R1005	RK3034	Chip R.	ERJ3GSYJ471V	
3 5	CU3035	Chip C.	C1608JB1H102KT-A		R1006	RK3034	Chip R.	ERJ3GSYJ471V	
200	Cuanaa	i i	C1608JB1H102KT-A		R1007	RK3034	Chip R.	ERJ3GSYJ471V	
C1043	C113027	ر الله الله الله	C1608CH1H221JT-A		81008	HK3058	Chip R.	ERJ3GSYJ473V	
9	CH3035	j d	C1608CH1H22131-A		H1009	RK3058	Chip R.	ERJ3GSYJ473V	
C1045	CU3032	i ci	C1600-051-02K1-A		01017	HK3062	Chip R.	ERJ3GSYJ104V	
CN1001	UE0306	Connector	205082301008100/8E)	1		HR3066	Cho R	ERJ3GSYJ224V	
CN1001	UE0222	Connector	5237-0890	Farly	_	RK3074	Caronia.	EHJ3GSYJ104V	
CN1002	UE0265		В128-ЕН	Ì		RK3052		ERU3GS YJ105V	
CN1003	UE0174		B138-ZR	_	B1015	RK3054	d di	EHJ3GSYJ153V	
		7		1	2	Theres	- : - :	EMJ3GSYJZZ3V	-

FRONT Unit / JACK Unit

		Parts Name	Ver.	è	Parts No.	Description	Parts Name	Ver.
	Chip P.	ERJ3GSYJ104V		R1080	RK3001	Chip R.	EBJ3GSYOBOOV	1
	Chip R.	ERJ3GSYJ224V		R1081	RK3001	Chip C.	ERJ3GSY0R00V	Ŧ
	Chip A.	ERJ3GSYJ104V		R1083	RK3001	Chip R.	ERJ3GSY0R00V	
	Chip R.	ERJ3GSYJ105V		R1087	RK3001	Chip R.	ERJ3GSY0R00V	
	Chip R.	ERJ3GSYJ153V		R1093	RK3001	Chip R.	ERJ3GSY0R00V	
	Chip A.	ERJ3GSYJ103V		H1094	RK3062	Chip H.	ERJ3GSYJ104V	
	C E	ERIJGGSYJZZGV		R1096	RK3062	, e	ER 13GSY 1104V	
	Chip R.	ERJ3GSYJ103V		R1097	RK3062	Chip R.	EBJ3GSY,1104V	
	Chip R.	ERJ3GSYJ103V		R1098	RK3050	Chip R.	ERJ3GSYJ103V	
_	Chip R.	ERJ3GSYJ473V		R1099	RK0001	Chip R.	ERJ6GEYJ100V	
_	Chip R.	ERJ3GSYJ103V						
-	Chip R.	ERJ3GSYJ103V		S1001	UR0009	Switch	EC11B15204	
	Chip R.	ERJ3GSYJ471V		\$1002	UR0010	Switch	EC24B50B0	
	Chip R.	ERJ3GSYJ471V			_			
_	Chip R.	ERJ8GEYJ100V		SW1001		Switch	JPM1110-0101	
	Chip A.	EHJ3GSYJ472V		SW1002		Switch	JPM1110-0101	
	Chip R.	ERJ3GSYJ221V		SW1003		Switch	JPM1110-0101	
	Chip R.	ERJ3GSYJ103V	_	SW1004		Switch	JPM1110-0101	
	Chip R.	ERJ3GSYJ103V		SW1005		Switch	JPM1110-0101	
_	Chip R.	ERJ3GSYJ103V	_	SW1006		Switch	JPM1110-0101	
_	Chip R.	ERJ3GSYJ103V		SW1007		Switch	JPM1110-0101	
_	Chip A.	ERJ3GSYJ103V		SW1008		Switch	JPM1110-0101	
_	Chip R.	ERJ3GSYJ103V		SW1009		Switch	JPM11:0-0101	
_	Chip R.	ERJ3GSYJ103V		SW1010		Switch	JPM1110-0101	
	Chip R.	ERJ3GSYJ332V		SW1011		Switch	JPM1110-0101	
_	Chip A.	ERJ3GSYJ473V		SW1012	UU0020	Switch	JPM1110-0101	
	Chip A.	ERJ3GSYJ473V		SW1013	00000	Switch	JPM1110-0101	
	Chip R.	ERJ3GSYJ102V		5W1014	00000	Switch	JPM1110-0101	
	C in C	EM33GSYJ103V		Wind	BD0108	, come	1	
	Chip R.	EB.13GSV 1109V		W1002	RD0108	in the second	o onim cumper	
	Chip R.	ERI3GSY.1103V		W1003	RD0108	- Inmoer	o on imper	
<del>~</del>	Chip R.	ERJ3GSYJ103V						
	Chip R.	ERJ3GSYJ102V		X1001	XB0019	Ctystal	CSACS8.000MT	
Ŭ	Chip R.	ERJ3GSYJ562V						
<u> </u>	Chip R.	ERJ3GSYJ472V						
	Chip R.	ERJ3GSYJ103V						
	Chip R.	ERJ3GSYJ102V						
	i a circ	EHU3GSYJ471V				IACK Ilait	ii	
	Cilio C	EHJ3GSYJ471V				מאלה [	1111	
	C 00	ERJAGSYJ102V		569	CU3047	Chip C.	C1608JB1H103KT-A	
	Chip B.	EBJ3GSY34/1V		C692	CU3047	Chip C.	C1608JB1H103KT-A	
	Chip R.	FB13GSV 1991V		28 0	CU3047	Chip C.	C1608JB1H103KT-A	
	Chip R.	ERJ3GSY,1222V		8	CU304/	3	C1608J31H103KT-A	
	Chip A.	ERJ3GSYJ221V		1691	1110031	100	200 CO	
<u> </u>	Chip R.	ERJ3GSYJ103V		7695	UJ0032	Jack	HSJ1332-01-050	
<u> </u>	Chip R.	ERJ3GSYJ102V					040-10-2001-2011	
<u> </u>		ERJ3GSYJ471V		R691	RK3001	Chip R.	ERJ3GSY0R00V	
<u> </u>	Chip R.	ERJ3GSYJ471V						
		ERJ3GSYJ471V		W691	UX1086	Wire	Wire JACK-MAIN 1	
		ERJ3GSYJ471V						
	r a gr	ERUSGSYJ471V						
		EB 13GCV 1471.V						
, с		E003GST3471V				•		
		EBJ3GSY,1471V						
. 0		ERJ3GSYJ471V				-		
Ų		ERJ3GSYJ221V				•		
- 0		ER.13GSV 1473V						
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MAIN Unit

SD0034 SD0055 TZ0049 TZ0049			Ver.	2	Parts No.	Description	Parts Name	707
34 55 19 19 88D	MAIN Unit	Init	Γ				~-	
55 19 19 19 887		100		g 3	CU3013	Chip C.	C1608CH1H15QJT-A	
9 G B		Earth fug		2 2	CU3021	Chip C.	C1608CH1H68QJT-A	
9		UM-1		3 3	CU3017	Chip C	C1608CH1H33QUT-A	
- E		1-7-1		9 6	CU3023	C) dra	C1608CH1H101JT-A	
		MAIN Circuit Board		5 5	50000	ن و د	C1608CH1H040CT-A	
120049		I.M.1		8 6	CU3035	C) dido	C1608JB1H102KT-A	
	Chin	C1608CH1H1101T.A		3 3	6,000	Chip C.	C1608JF1E104ZT-A	
CU3109	Chin	C1608CH1H110.IT.A		2 ;	0,100%	200	C1608JF1E104ZT-A	
CU3056	Chin	G1608.IF1E4737T.A			60000	ر د د	C1608JF1E104ZT-A	
	ا در	C1808 IB1 U102KT A		2 5	503011	C) direct	C1608CH1H100CT-A	
-	ن منزل	C1608 1515 251 1		2 :	CU3056	Chip C.	C160&JF1E473ZT-A	
	j (	C10001 154735 148		5	C03011	Chip C.	C1508CH1H100CT-A	
	Calp C.	C1008JF1E473Z1-A		C115	CU3007	Chip C.	C1608CH1H060CT-A	
	Carp C.	CIBUSAFIETU4ZI-A		C116	CU3059	Chip C.	C1608JF1E104ZT-A	
	Chira C.	C1608CH1H271JT-A		C117	CU3047	Chip C.	C1608JB1H103KT-A	
	Chip C.	C1608JB1H103KT-A		C118	CU3047	Chip C	C1508 IB1H103KT A	
	Chip C.	C1608CH1H121JT-A		C119	CU3007	Chic	A-I NOW INCOME.	
CU3011 C.	Chip C.	C1608CH1H100CT-A		C120	C13047	; c	A-LOGOCH INDOOR	
CU3018 Ch	Chip C.	C1608CH1H390JT-A	_	121	10000	j (	CIBUSUBIH103KT-A	
CU3027	i di	C1608CH1H221 IT A		2 6	C03035	Chip C.	C1608JB1H102KT-A	
	j (	A-101231111000010		2	CU3047	Chip C.	C1608JB1H103KT-A	
	ا ا	A-ICLANING CHINA		C123	CU3035	Chip C.	C1608JB1H102KT-A	
_	Chip C.	C1608CH1H15QJT-A		C124	CU3018	Chip C	C1608CH1H3001T A	_
	Chip C.	C1608JB1H103KT-A		C125	CU3047	) (1) (1)	A-1508chinocolo	
CU3025 Ch	Chip C.	C1608CH1H151JT-A		C126	CU3013	ر د دادا	Oscala Internation	
	Chip C.	C1608JF1E473ZT-A		C127	81051	) (	Ciecachi Histori - A	
CU3056 Chi	Chip C.	C1608JF1E473ZT-A		21.0	Center	ا را ا	C1608CH1H3g0JT-A	
CU3056 Chi	Chip C	C1608JF1E4737T-A			60000	Cnip Lanta	TMCSA1V154MTR	
	Chin	C1608 IF1E4737T-A		3 3	CEU310	Electrolytic C.	ECEV1AA330P	
	i ci ci ci	CIEORCHIHOGOCT		5 6	CU3035	Chip C.	C1608JB1H102KT-A	
	, (a)	A-LOSOULI DOSCO		3	CU3056	Chip C.	C1608JF1E473ZT-A	
	<i>j</i> (	C1609CHIUSKI-A	_	C133	CU3056	Chip C.	C1608JF1E473ZT-A	
_	. i	CIBUSCHIHIZOJI-A		2 8	CU3031	Chip C.	C1608JB1H471KT-A	
		C1608JB1H103KT-A		C135	CU3056	Chip C.	C1608JF1E473ZT-A	_
	Chip C.	C1608JB1H472KT-A		C136	CU3056	Chip C.	C1608JF1E4737T-A	_
CU3009	Chip C.	C1608CH1H080CT-A	_	C137	CU3056	Chip C.	C1608.JF154737T.A	
	Chip C.	C1608JB1H103KT-A		C138	CU3031	Chip C.	C1608.IB1H471KT.A	_
	Chip C.	C1608JB1H103KT-A	_	C139	CE0315	Electrolytic C.	ECEVICAZION	
	Chip C.	C1608CH1H120JT-A	_	C140	CU3056	Chip C	C1609 161512227	
CU3012 Chi	Chip C.	C1608CH1H12QJT-A		C141	CU3056	Chirl	71609 IE151777	
S	Chip C.	C1608CH1H020CT-A		C142	CU3031	. C. c.	C1606 ID 11172 127 2	
	Chip C.	C1608JB1H102KT-A		5143	CHROSE	j (	C1608JB1H471KT-A	
CU3045 Chil	Chip C.	C1608JB1H682KT-A			00000	Cardo	C1608JF1E473ZT-A	
	Chip C	C1608CH1H050CT-A		-	0,1205.0	3	C1608JF1E473ZT-A	-
Č	1	C1608 IB1 U472/T A		9 :	COSOS	Chip C.	C1608JF1E473ZT-A	
5 6	, ,	THE CHANGE OF THE CAME OF THE		\$	CU3015	Chip C.	C1608CH1H220JT-A	
CHROSE	Circ lang	CASSILL STATES	-		CU3056	Chip C.	C1608JF1E473ZT-A	
	ن و ا	C1608JF1E473Z1-A	=		CU3031	Chip C.	C1608JB1H471KT-A	-
10000	3 0	C1608JB1H471KT-A	_		CU3051	Chip C.	C1608JB1E223KT-A	
5 6	. d	Cibusur 1E4/3ZI-A		C150	CU3056	Chip C.	C1608JF1E473ZT-A	_
Custos Chip C.		C1508JF1E473ZT-A	_	151	CU3056	Chip C.	C1608JF1E4737T-A	
_		C1608JB1H103KT-A	_	C152	CU3056	Chip C.	C1608.IE1E4737T.A	
Chip C.		C1608JB1H103KT-A		C153	CU3056		C1608 (F154737T. A	
Chip C.		C1608JF1E473ZT-A		C154			C1608 IE16472377 A	
	-	C1608JB1H182KT-A	_	C155	CU3056		C1608 15 42227 A	
CU3037 Chip C.		C1608JB1H152KT-A					7-1-25-1-25-1-25-1-25-1-25-1-25-1-25-1-2	
Chip C.		C1608JB1H182KT-A		C157		-	C1608.1F1F4737T-A	
Chip C.		C1608JB1H332KT-A		C158 (			C1608 IF1 E4737 T. A	
Chito Co		C2012JB1C104KT-A		C159	CU3056		C1509 15-17-27-77	
Chip C.		C1608JB1E223KT-A		C160			A-1 26/1-31 100000	
CU3056   Chip C.	_	C1608JF1E473ZT-A					010001F1E4/3Z1-A	_
Chip C.	_	C1608JF1E104ZT-A					C1508JF1E4/3ZT-A	_
CU3059 Chip C.		C1608JF1E104ZT-A	_				C1508JB1H222KT-A	
CU3059 Chip C.		C1608JF1E104ZT-A					C1608JF1E473ZT-A	
		C1608CH1H390.T-A					C1608JF1E473ZT-A	
china China		Clobochingsoul-A		C165	CU3056	Chip C.	C1608JF1E473ZT-A	-

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Parts Name

**MAIN Unit** 

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8	Farts No.	Description	Parts Name	Ver.	200	Parts No.	Description	Parts Name	Ver.	Ref.	Parts N
C166	CU3031	Chip C.	C1608JB1H471KT-A		C229	CE0312	Electrolytic C.	ECEV1CA100R		C293	CU3047
C167	CU3056	Chip C.	C1608JF1E473ZT-A		C230	CU3047	Chip C.	C1608/B1H103KT-A		C294	CU3059
8 5	CU3031	Chip C.	C1608JB1H471KT-A		C231	CE0315	Electrolytic C.	ECEV1CA470P		C296	CU3047
2 5	C113027	ن در در در د	C1608JF1E473ZT-A		C232	CU3026	Chip C.	C1608CH1H181JT-A		C297	CU3059
C171	CU3056	j c	C1608 1515/2737. A		25.55	CU3043	Chip C	C1608JB1H472KT-A		C298	CU8042
C172	CU3056	Chip C.	C1608JF1E473ZT-A		3 8	CLISOSO		C1608JB1H182KT-A		C299	CU3047
C173	CU3035	Chip C.	C1608JB1H102KT-A		C237	CU3059		C1608.F1E104ZT-A		3 8	C113047
C174	CU3051	Chip C.	C1608JB1E223KT-A		C238	CS0367	Chip Tantal	TMCMA0J106MTR		888	CU3047
C175	CU3066	Chip C.	C1608JF1E473ZT-A		C239	CU3059	Chip C.	C1608JF1E104ZT-A		C303	CU3047
C176	CU3056	Chip C.	C1608JF1E473ZT-A		C240	CU8042	Chip C.	C2012JB1C104KT-A	_	88	CU3047
2 12	C13047	2 C	C1608JB1H152KT-A		C541	CS0372	Chip Tantal	TMCMB1C106MTR	_	C305	CU3047
C179	CU3056		C1608 JE154737T A		242	CU3047	Chip C.	C1608/B1H103KT-A		230	CU3047
C180	CS0372	Chip Tantal	TMCMB1C106MTR		C243	Costo	Chip Tantal	C1608JB1C473KT-A		C307	CU3047
C181	CU3056	Chip C.	C1608JF1E473ZT-A		2,45	CS0372	Chin Tantal	TWOMBLOSSBMIR		808	CU3047
C182	CU3051	Chip C.	C1608JB1E223KT-A		C246	CU3041	Chip C.	G1608/B1H332KT.A		88	CU3047
C183	CU3056	Chíp C.	C1608JF1E473ZT-A		C247	CS0230	Chip Tantal	TMCMA1E105MTR		3 5	C13047
C184	CU3056	Chip C.	C1608JF1E473ZT-A		C248	CS0230	Chip Tantal	TMCMA1E105MTR		312	CU3056
5 5	CU3056	Chip C	C1608JF1E473ZT-A		C249	CU3101	Chip C.	C1608JB1C473KT-A		C313	CU3047
0187	C03036		C1608JF1E473ZT-A		C250	CS0220	Chip Tantal	TMCMA1C225MTR		<u>8</u>	CU3047
C188	CU3056	ن وي وي	C1608JF1E473ZT-A		C251	CS0220	Chip Tantal	TMCMA1C225MTR		315	CU3027
C189	CS0372	Chip Tantal	TMCMB1C106MTR		C253	CUSO47	ا ا ا	C1608JB1H103KT-A		316	CU3027
C190	CU3102	Chip C.	C1608JB1C333KT-A		C254	CS0372	Chip Tantal	TWCM81C:106MTB		3 5	CU302/
C191	CU8042	Chip C.	C2012JB1C104KT-A		C255	CU3056	Chip C.	C1508JF1E473ZT-A		8 8	CU3027
C192	CU3047	Chip C.	C1608JB1H103KT-A		C256	CU3102	Chip C.	C1608JB1C333KT-A		C350	CU3027
2012	CU3047	i di di	C1608JB1H103KT-A		C257	CU3029	Chip C.	C1608JB1H331KT-A		C321	CU3027
C195	CU3047	i di ci	C1608 IB14103KT A		86.50	CS0229	Chip Tantal	TMCMA1E684MTR		C352	CU3027
C196	CS0372	Chip Tantal	TMCMB1C106MTR		0980	CE0315	Chip C.	C1608JB1E223KT-A		333	CU3047
C197	CU3045	Chip C.	C1608JB1H682KT-A		C261	CE0352	Electrolytic C.	16MV330HC		23.5	CSOSSO
C198	CU3102	Chip C.	C1608JB1C333KT-A		C262	CU8042	Chip C.	C2012JB1C104KT-A		326	CU3047
0139	CU3029	Chip C.	C1608JB1H331KT-A		C263	CE0353	Electrolytic C.	16MV470HC		C327	CU3047
25.00	CS0230	Chip Tantal	TMCMA1E105MTR		C264	CE0315	Electrolytic C.	ECEV1CA470P		328	CU3047
C202	CU3029	ن در وارو دروا	C1608CH1H39QJT-A		5565	CE0315	Electrolytic C.	ECEVICA470P		C329	CU3047
233	CU3056	Chip	C1608.161.547377.4		28.6	CEUSTS	Electrolytic C.	ECEVICA470P	_	CS3	CU3047
C204	CS0061	Chip Tantal	TMCSA1V224MTR		(2.6) (2.6)	CUSO42	) (J	C1608JF1E4/3ZT-A		E 5	CU3039
C205	CS0230	Chip Tantal	TMCMA1E105MTR		C269	CS0230	Chip Tantal	TMCMA1E105MTB		233	CU3047
C208	CU3101	Chip C.	C1608JB1C473KT-A		C270	CU3059	Chip C.	C1608JF1E104ZT-A		S3 4	CU3047
C20	C03059	ن در و و در	C1608JF1E104ZT-A		C271	CU3059	Chip C.	C1608JF1E104ZT-A		C335	CU3047
500	CU3059	o cico	C1608   F1510477.A		27.2	CU3026	Chip C.	C1508CH1H181JT-A	-	C338	CU3047
C210	CU3025	Chip C.	C1608CH1H151JT-A		5273	CUSORS	2 2 2 2	C1608JB1H472KT-A		C337	CU3047
C212	CU3059	Chip C.	C1608JF1E104ZT-A		C275	CU3047	o contraction	C1508.IB1H103KT-A		9 8	C13047
C213	CS0372	Chip Tantal	TMCMB1C106MTR		G276	CS0372	Chip Tantal	TMCMB1C106MTR		340	CU3047
6214	CU3051	Chip C	C1608JB1E223KT-A		C277	CU3051	Chip C.	C1608JB1E223KT-A	_	85 14	CU3047
0.216	0.13047	10 10 10 10 10 10 10 10 10 10 10 10 10	C1508JB1H103KT-A		C278	CU8042	Chip C.	C2012JB1C104KT-A		C342	CU3047
C217	CU8042	0 0	C2012/B1C104KT-A		280	C03047	Chip C.	C1608JB1H103KT-A		343	CS0372
C218	CU3047	Chip C.	C1608JB1H103KT-A		C281	CE0315	Flactrolytic C	FOEVICA470P		24.5	CU3047
C219	CU3047	Chip C.	C1608JB1H103KT-A		C282	CS0232	Chip Tantal	TMCMA1V474MTR		348	CU3047
0220	CU3059	Chip C.	C1608JF1E104ZT-A		C283	CU3047	Chip C.	C1508JB1H103KT-A		C347	CU3027
25.5	CSU3/2	Chip Tantai	TMCMB1C106MTR		C284	CU3027	Chip C.	C1608CH1H221JT-A		348	CU8042
C223	CS0372	Chin Tantai	TMCMB1C106MTB		C285	CU3027	Chip C. C.	C1608CH1H221JT-A		C349	CU3056
C224	CU3047	Chip C.	C1608JB1H103KT-A		C287	CSO210	Chip Lents	C1608CH1H221JT-A		0350	CU3056
C225	CU3047	Chip C.	C1608JB1H103KT-A		C289	CU3056	Chip C.	C1608JF1E473ZT-A		323	CU3047
C226	CS0230	Chip Tantal	TMCMA1E105MTR		C290	CU3047	Chip C.	C160&JB1H103KT-A		C354	CU3047
C227	CS0225	Chip Tantal	TMCMAID155MTR		C291	CU3047	Chip C.	C1608JB1H103KT-A		C356	CU3017
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XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	Sef.	Parts No.	Description		Ver.	Ref.	Parts No.	Description		Ver.	Sec.	$\vdash$		escription	
COMESTADE STATES (COMESTADE STATES)         COMESTADE STATES (COMESTADE STATES (COMESTAD	770	XD0254	Diode	1SS355 TE-17		1022	XA0114	S	IPD6345GS_T1		5	XT0084	<del>'</del>	rapeietor	200
COCCAS           COMPAS	920	XD0254	Diode	1SS355 TE-17		523	XA0114	. <u>.</u>	UPD6345GS-T1		5 8	XEUUSA	- u	Tallish Di	3000
COMESTOR         OAMS         DAMASSOLTION         1         URDAY         COMMENT         DATA         DATA <td>670</td> <td>XD0254</td> <td>Diode</td> <td>1SS355 TE-17</td> <td></td> <td>IC24</td> <td>XA0299</td> <td>2 0</td> <td>BU4001BF</td> <td></td> <td>3 8</td> <td>XE0028</td> <td></td> <td>تنا ت</td> <td>3SK1</td>	670	XD0254	Diode	1SS355 TE-17		IC24	XA0299	2 0	BU4001BF		3 8	XE0028		تنا ت	3SK1
CORDERS         Does         COMMENDATION         J.J. JUDONI         JUDONI         COMMENDATION         J.J. JUDONI	080	XD0230	Diode	DAN202U T106							9	XE0028		. to	3SK13
COMMENS         DOAD         1558581 F.F.T         J. J. URDMIN         COMMENS         TAPP, DIVAM         OD         XEXDOR         FT. TEMP           COMMIN         DOAD         1558581 F.F.T         J. J. URDMIN         COMMENS         TAPP, DIVAM         OD         XEXDOR         FFFT           COMMENS         DOAD         15580 F.F.T         J. G. COMMENS	D82	XD0230	Diode	DAN202U T106		5	UE0041	Connector	TMP-J01X-V6		ő	X00061	-	ransistor	UN521
COCCURS         COMMENS         CONTROL         CONTROL <t< td=""><td>083</td><td>X00254</td><td>Diode</td><td>1SS355 TE-17</td><td></td><td><u>ਬ</u></td><td>UE0041</td><td>Connector</td><td>TMP-J01X-V6</td><td></td><td>04</td><td>XE0028</td><td>ш.</td><td>ᇤ</td><td>3SK13</td></t<>	083	X00254	Diode	1SS355 TE-17		<u>ਬ</u>	UE0041	Connector	TMP-J01X-V6		04	XE0028	ш.	ᇤ	3SK13
CORDINATION	2 5	XD0254	Dode	155355 1E-1/		4 7	UE0041	Connector	TMP-J01X-V6		8 8	XE0026	<u> </u>	ы. Н	2SK2
CORDERS         DOMESTOR         1.1         CORDITAL         C	086	XD0231	Diode	DAP202U T106		9	050041	Connector	1MP-J01X-V6		3 5	XE0026	т п	<u>نا</u> ښا	2SK2
CORDERS         CORDERS         1.3         CORDERS         CPACE         CARCERS         0.05         CORDERS         CPACE         CARCERS         0.05         CORDERS         0.05         CPACE         CARCERS         0.05	088	XD0254	Diode	1SS355 TE-17			000131	Chip L.	NL322522TR56.1-3		3 5	XF0026	. ц	; ti	200
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	089	XD0231	Diode	DAP202U T106		2	QR0017	8	QR0017		0 0	XE0028	. u.	. L	3SK1
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	060	XD0230	Diode	DAN202U T106		ៗ	QC0061	Chip L	NL322522T-033J		013	XT0084		ransistor	28029
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	D91	XD0230	Diode	DAN202U T106		7	QC0126	Chip L.	NL322522T-R22J-3		014	XT0094		ransistor	2SA15
CODES         OLONG         CODE         <	092	XD0254	Diode	1SS355 TE-17		12	QC0039	Chip L.	NL322522T-1R0J		015	XT0095		ransistor	2SC40
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	3 6	XD0231	node Diode	DAP202U T106		9 !	QC0127	<u>م</u> ا	NL322522T-R27J-3		016	XT0095	_	ransistor	28540
YORDERS         ORGANISTE FLATOR	9 5	XD0246	200	DAN235UT106		٠ د	000061	0 0 1	Nt322527-033J		018	XT0095	-	ransistor	2SC40
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	960	XD0254	Diode	15S355 TE-17		9 9	OA0108	3 8	O40017		610	XT0095		ransistor	၁၀
XXXXZ254         Doop         SSSSS FFF-FF         11         ADD/DT         Cod         OLD         COD         EFFE         FFF	760	XD0254	Diode	1SS355 TE-17		2 6	QA0107	3 8	QA0107		5 5	XIIOOZB	<u></u>	El	ž 1
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	660	XD0254	Diode	1SS355 TE-17		E	QA0107	Š	QA0107		022	XE0028		E	3S S
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	8 1	XD0254	Diode	1SS355 TE-17		L12	QA0107	Ş	QA0107		023	XE0028		턴	3SK13
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X00229         Diome         Divolation         Living Condition         Only L.         Auto225271-6801         CDB         Y000254         Townshord         T	D104	XD0254	Diode	1SS355 TE-17		116	QR0017	i 8	QR0017		027	XU0148		ransistor	i E
XXXXX23         Dode         IXSSSS FEFT         118         QAD0119         COD         QAD0119         COD         QAD0119         COD         QAD0119         COD         QAD0110         QAD0110         COD         QAD0110	D106	XD0230	Diode	DAN202U T106		117	QC0078	Chip L	NL322522T-220J		028	XT0095		ransistor	280
AURZZZI DOGGO         DOGGO	0107	XD0254	Diode	1SS355 TE-17		L18	QA0119	8	QA0119		029	XU0148	<u>.</u>	ransistor	10
X002545         Dooe         155.550 TE-17         LZO COCR093         OPDL L. LOHANATJUGH         QCS AV00051         Transistor           X002545         Dooe         155.550 TE-17         LZB COCR093         OPDL L. LOHANATJUGH         QCS AV00051         Transistor           X00254         Dooe         DANEZERT TE-17         LZB COCR093         OPDL L. LOHANATJUGH         QCS AV00051         Transistor           X00254         Dooe         155.555 TE-17         LZB COCR093         OPDL L. LOHANATJUGH         QCS AV00051         Transistor           X002554         Doode         155.555 TE-17         LZB COCR093         OPDL L. LOHANATJUGH         QCS AV00051         Transistor           X002554         Doode         155.555 TE-17         LZB COCR01         OPDL L. NAZEZEZT-RIBLS         QCS AV00061         Transistor           X00257         Doode         155.555 TE-17         LZB COCR01         OPDL L. NAZEZEZT-RIBLS         QCS AV00061         Transistor           X0007         Cocanner Filer         CLISAGO         LZB COCR01         OPDL L. NAZEZEZT-RIBLS         QCS AV00061         Transistor           X0007         Cocanner Filer         CLISAGO         LZB COCR01         OPDL L. NAZEZEZT-RIBLS         QCS AV00061         Transistor           X0007         Cocanne	200	XD0230	Code	DAN202U T106		119	QC0074	Orio J	NL322522T-8R2J		030	XT0094		ransistor	28/
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	0110	XD0254	Diode	188355 TE-17		3 5	OC0493		NL3225221-5R6J		5 63	XT0095		ransistor	280
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	1110	XD0254	Diode	1SS355 TE-17		L48	OC0493	Ohip L	LOH4N471J04		033	XT0136		ransistor	2 2
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	D112	XD0230	Diode	DAN202U T106		L49	QC0493	Chip L	LQH4N471J04		55	XU0061		ransistor	3
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	0121	XD0254	Diode	185355		S :	QC0493	Ohip t.	LQH4N471304		935	XT0136	<u>.                                    </u>	ransistor	28[
OBDODY         Included         ZBF2630-00         LG         COURS         ORDIT         NIZZEZZET-REISA         CO39         X 100049         Transistor           X0012         Chyan Files         7 MISB UMI         LG         CO0124         Onio         NIZZEZZT-REISA         C39         X 70005         Transistor           X0012         Chyan Files         7 MISB UMI         LG         CA0107         Col         CA0107         C41         X 70009         Transistor           X00017         Cheam Files         7 MISB CANASG         LG         CA0107         Col         CA0107         C41         X 70009         Transistor           X00017         Cheam Files         7 MISB CANASG         LG         CA0107         Col         CA0107         CA1         X 70009         Transistor           X00017         Cheam Files         7 MISB CANASG         LG         CA0107         CAI         CA0107         CA1         X 70009         Transistor           X00017         Cheam Files         7 MISB CANASG         LG         CA0107         CAI         CA0107         CAI         CA0109         Transistor           X00017         Cheam Files         7 MISB CANASG         CA0107         CAI         CA0107         CA	D122	XD0254	Diode	188355		3 2	מאסטול	<u> </u>	GH0017		980	XU0148		ransistor	<u> </u>
XFO017         Cystat File II TMISB4 UMI         L64         CC0124         Civil Colin Col	FB:	QB0037	Inductor	ZBF253D-00		2 53	OC0124	j 6	NL322521-R150-3		3 8			ransistor	SS E
XCD012         Coerame Filter         CFJ455K8         L55         CPR018         Cool         CAROTOR         CART         XU0059         Transistor           XCD011         Cearame Filter         CFJ455KS         L58         CAROTO         COAI 107         CAR         XU0049         Transistor           XCD011         Cearame Filter         TTM15AZ         L58         CAROTO         COAI 107         CAR         XU0049         Transistor           XCD021         Cearame Filter         TTM15AZ         L58         CAROTO         COOI         CART         XU0049         Transistor           XCD024         C         AM612         L61         CCC0047         Chip         NU32252714R7J         CA4         XU0049         Transistor           XCD024         C         AM612         L61         CCC0047         Chip         NU32252714R7J         CA4         XU0049         Transistor           XCD024         C         AM612         CCC0047         Chip         NU32252714R7J         CA6         XU0049         Transistor           XCD024         C         AM612         CCC0047         Chip         CA0119         CA6         XU0049         Transistor           XCD024         C         CCC0	FL1	XF0017	Crystat Filter	71M15B4 UM1		45	QC0124	O O	NL322527-R15J-3		8 6			ransistor	ς
XCOD011         CRAFISTS         LISG         CAND10B         COAIDT         COAID	김	xC0012	Ceramic Filter			55	QR0017	S	QR0017		8	XU0051		ransistor	3
XXXXXXX         Coranne Filling         CFMM45GG         L57         CAMIOT         Coli         CAMIOT	ភ	XC0011	Ceramic Filter	CFJ455K5		F26	QA0108	<u>Soi</u>	QA0108		2			ransistor	3
XX0230         IC         ANB12         L50         CX0047         CMID         <	4 4	XC0017	Ceramic Filter			L57	QA0107	<u>8</u>	OA0107		045			ransistor	3
XA0300         C         AN612         L60         GC00047         Chip L         NU325252T-48TJ         GA5         XU0004         Transistor           XA0330         C         AN612         L61         CC0062         Chip L         NU32522T-48TJ         GA6         XU0061         Transistor           XA0234         C         C         BU4052BCF-TT         L62         CC0023         Chip L         NU32522T-RT2J-3         GA6         XU0061         Transistor           XA0236         C         BU4052BCF-TT         L63         QA0119         CA6         XU0148         Transistor           XA0116         C         TC4286F-TE85L         L64         QA0119         CA6         XU0149         Transistor           XA0224         C         MC3357DR         L65         QA0119         CA6         XU0149         Transistor           XA0224         C         NAX220Am-T1         L66         QA0119         CA6         XU044         Transistor           XA0224         C         NAX220Am-T1         L67         CA0119         CA6         XU069         Transistor           XA0224         C         MC7808CT         L69         QA0119         CA6         XU069         Transistor	3	A1002	Crystal Tiller	/ IMIDAZ		3 5	OA0107	3 8	GA0107		3 6	X00049		ransistor	5 :
XA3300         IC         AMB12         LB1         CCO062         Chip L.         NI322522T-R33J         Q46         XU0061         Transistor           XA0224         IC         NIMZ304M-T1         LB2         OC0123         Chip L.         NI32252T-R12J-3         Q49         XU0048         Transistor           XA0235         IC         TC4286F-TEBJ         LB4         OA0119         Coll         QA0119         Coll         Coll         Coll         Transistor           XA0043         IC         TC4286F-TEBJ         LB4         OA0119         Coll         QA0119         Coll         Coll         Transistor           XA0043         IC         MC33570R         LB6         OA0119         Coll         QA0119         Coll         Coll         Transistor           XA0224         IC         NAM204M-T1         LB7         Coll         Coll         Coll         Coll         Transistor           XA0284         IC         NAM204M-T1         LB7         Coll         Coll         Coll         Coll         Coll         Transistor           XA0284         IC         NAM204M-T1         LT2         Coll         Coll         Coll         Coll         Coll         Coll         Coll<	25	XA0300	2	AN612		99	QC0047	Chip L.	NL322522T-4R7J		0.45	XU0047		Fansistor	5 =
XAD224         IC         NAM2204M-T1         LEZ         COC0123         Chip L.         NU325522T-R12J-3         Q47         XT0095         Transistor           XAD236         IC         BUM262BECF-T1         L68         QA0119         Coll         QA0119         QA9         XT0094         Transistor           XAD063         IC         MC3357DR         L66         QA0119         Coll         QA0119         QS         XT0094         Transistor           XAD063         IC         MC3357DR         L66         QA0119         Coll         QA0119         QS         XT0094         Transistor           XAD024         IC         NAM2904M-T1         L66         QA0119         Coll         QA0119         QS         XT0095         Transistor           XAD224         IC         NAM2904M-T1         L67         COC0493         Chip L.         LQH4N47104         QS         XT0095         Transistor           XAD284         IC         NAM2904M-T1         L69         QA0119         Coll         QA0119         QS         XT0095         Transistor           XAD284         IC         NAM2904M-T1         L70         COC048         Chip L.         NU322222T-10QU         QS         XT0111 <td< td=""><td>ភ្ជ :</td><td>XA0300</td><td>ပ</td><td>AN612</td><td></td><td>re1</td><td>QC0062</td><td>Chip L.</td><td>NL322522T-039J</td><td></td><td>046</td><td></td><td></td><td>Fransistor</td><td>5</td></td<>	ភ្ជ :	XA0300	ပ	AN612		re1	QC0062	Chip L.	NL322522T-039J		046			Fransistor	5
Available (1) Collaboration (2) Collaborati	<u> </u>	XA0224	<u>o</u>	NJM2904M-T1		797	QC0123	Chip L.	NL322522T-R12J-3		047		<u></u>	Fransistor	58
XA0224         C         NAMESORM-TESSAL         LEG         CAD119	3 5	XA0236	טַ נַ	BU4052BCF-T1	•	F 63	QA0119	Ö	QA0119		850		<u> </u>	fransistor	Б
XA0224         C         NAM290AM-T1         L65         CA0119         CA0119         CA0119         CA0119         CA020         CA0119         CA0119         CA020         CA0119         CA0119         CA020         CA0119         CA01119         CA01119         CA01119         CA01119 <td>ğ <u>Ş</u></td> <td>XA0063</td> <td>2 0</td> <td>MC335708</td> <td></td> <td>2 4</td> <td>QA0119</td> <td>8 8</td> <td>QA0119</td> <td></td> <td>049</td> <td></td> <td></td> <td>ransistor</td> <td>SS</td>	ğ <u>Ş</u>	XA0063	2 0	MC335708		2 4	QA0119	8 8	QA0119		049			ransistor	SS
XA0224         IC         NAM2904M-T1         L67         OC0493         Chip.         LOHAN47104         OSS         XU0051         Transistor           XA0289         IC         BU4001BF         L68         OA0119         Coil         OA0119         O.S         XU0061         Transistor           XA0289         IC         BU4001BF         L69         OA0119         Coil         OA0119         O.S         XU0061         Transistor           XA0284         IC         MA2218FF-701-1         L70         OC0048         Ohp.         M12225227-100J         O.S         XU0148         Transistor           XA0224         IC         NAM290AM-71         L72         OC0039         Ohp.         M12225227-100J         O.S         XU0148         Transistor           XA0224         IC         NAM290AM-71         L72         OC0039         Ohp.         M12225227-100J         O.S         XU0116         Transistor           XA0224         IC         NAM290AM-71         L73         OC0049         Ohp.         M12225227-100J         O.S         XU0116         Transistor           XA0224         IC         NAM290AM-71         L75         OC0049         Ohp.         M1222527-100J         O.S         XU011	8	XA0224	. 0	NJM2904M-T1		3 9	OA0119	3 8	CA0119		2 5	C6001X		ransistor	52
XA0289         IC         BU4001BF         L68         QA0119         Coil         QA0119         Coil         QA0119         Coil         QA0119         Coil         QA0119         Coil         CA0119         Coil         Transistor         Transistor         Transistor           XX0082         IC         MX2782FP         L77         OC0048         Chip L.         NL225227-100J         OS5         XU0148         Transistor           XX0224         IC         NAM290AM-T1         L72         OC00348         Chip L.         NL225227-100J         OS5         XU0119         Transistor           XX0224         IC         NAM290AM-T1         L72         OC00348         Chip L.         NL225227-100J         OS5         XU0113         Transistor           XX0224         IC         NAM290AM-T1         L72         OC00348         Chip L.         NL225227-100J         OS6         XU0112         Transistor           XX0224         IC         NAM290AM-T1         L75         OC0049         Chip L.         NL325227-100J         OS6         XU0112         Transistor           XX0224         IC         NAM290AM-T1         L76         OC0049         Chip L.         NL325227-100J         OS6         XU012         Trans	<u>5</u>	XA0224	ပ	NJM2904M-T1		797	OC0493	Chip L.	LOH4N471304		052			Fransistor	3 ₹
XA0082         IC         MC7808CT         L69         QA0119         Coil         QA0119         Coil         QA0119         Coil         Coil         ML282527-100L         OS5         XT0036         Transistor           XA0284         IC         MA2224         IC         COC044         OrbL         NL325227-100L         OS5         XU0114         Transistor           XA024         IC         BL409-8F-T1         I.72         OC0049         OrbL         NL325227-100L         OS5         XU0116         Transistor           XA024         IC         BL409-8F-T1         I.73         OC0078         Chip L         NL325227-10QL         OS5         XU0116         Transistor           XA0241         IC         BL409-8F-T1         I.73         OC0078         Chip L         NL325227-10QL         OS9         XU0112         Transistor           XA0241         IC         NLM290AM-T1         I.75         OC0049         Chip L         NL325227-10QL         OS9         XU0112         Transistor           XA0294         IC         NLM240AM-T1         I.76         OC0049         Chip L         NL325227-10QL         OS9         XU0112         Transistor           XA0294         IC         NA74HC396FL2	1010	XA0299	ပ	BU4001BF		F.68	QA0119	Coil	QA0119		053			Fransistor	5 5
XX0068         IC         MX2218PP-170+1         L/T0         OCC0048         Ohp L.         ML22522T-100J         OS         XU0148         Transistor           XX0224         IC         NAM229AM-11         L/T1         OCC0048         Ohp L.         NL32252ZT-100J         OS         XV0116         Transistor           XX0224         IC         BU40946F-T1         L/T2         OCC0078         Chip L.         NL32252ZT-160J         OS         XV0116         Transistor           XX0224         IC         BU40946F-T1         L/T2         OCC0040         Chip L.         NL32252ZT-100J         OS         XV0116         Transistor           XX0224         IC         BU40018F         L/T6         OCC0046         Chip L.         NL32252ZT-100J         OS         XV0112         Transistor           XX0224         IC         BU40018F         L/T6         OCC0046         Chip L.         NL32252ZT-1010         OS         XV0112         Transistor           XX0224         IC         BU40018F         L/T6         OCC0046         Chip L.         NL32252ZT-1010         OS         XV0047         Transistor           XX0224         IC         NMC44CC30FL2         L/T6         OCC0046         Chip L.         NL3225ZZT-	<u>5</u>	X40082	ပ္	MC7808CT		697	QA0119	Soit	QA0119		950	XT0095	•••	Fransistor	SS
AM0223         C         MA222FP         L71         OC00048         Ohp L.         NL225227-100L         O.56         XT0111         Transistor           XXQ246         IC         BL40948F-T1         L72         OC0078         Chip L.         NL322527-220U         O.57         XU0112         Transistor           XXQ24         IC         UPD6346GS-T1         L75         OC0040         Chip L.         NL322522T-1RQ         O.59         XU0112         Transistor           XXQ24         IC         NLM2904M-T1         L76         OC0048         Chip L.         NL322522T-1RQ         O.59         XU0112         Transistor           XXQ29         IC         NLM2904M-T1         L76         OC0048         Chip L.         NL322522T-101J         O.61         XU0122         Transistor           XXQ299         IC         NLM290FL2         L80         OR0017         CO1         OR0017         O.61         XU048         Transistor           XX0079         IC         NM2218P-T01-1         CO1         OR0017         OR0017         O.61         XU048         Transistor           XX0079         IC         NM218P-T01-1         OR008         Chip L.         OR0017         OR008         Chip L.         OR008	2 2	XA0068	<u> </u>	M5218FP-T01-1		720	QC0048	Chip L.	NL32252T-100J		055			Fransistor	ᆸ
XA024         C         UPD634GS-T1         L7         C00078         Chip L.         NU3252Z2T-1RO         OS         XU0116         Transistor           XA024         IC         UPD634GS-T1         L7         C00078         Chip L.         NU3252Z2T-1RQ         OS         XU0112         Transistor           XA029         IC         BU40018F         L7         C00048         Chip L.         NU3252Z1-101J         OS         XU0112         Transistor           XA0299         IC         BU40018F         L77         C00086         Chip L.         NU3225Z2T-101J         OS         Transistor           XA0299         IC         MC74HC390FL2         L80         OR0017         Coll         OR0017         Coll         Chip L.         NU3225Z2T-101J         OS         Transistor           XA0079         IC         MC74HC390FL2         L80         OR0017         Coll         OR0017         OS         XU0148         Transistor           XA0099         IC         MA22FL101-1         OR0017         Coll         OR0017         OR0         XU048         Transistor	5 5	XA0224	ي د	MSZZZFP		5 5	QC0048	Chip L	NL322522T-100J		056			Fransistor	28
XA0114         IC         UPD6346S-T1         L75         OC0040         Chip. L.         NI322222T-RED.         COS         XU0112         Transitor           XA0224         IC         NLM2904M-T1         L76         OC0048         Chip. L.         NL322522T-100J         O60         XT0095         Transistor           XA0229         IC         BU40018F         L77         OC0086         Chip. L.         NL32252T-101J         O61         XU0047         Transistor           XA0229         IC         MC74HC390FL2         L80         OR0017         Coil         OR0017         O63         XU048         Transistor           XA0079         IC         MS218FP10+1         OR0017         Coil         OR0017         OR0         XU048         Transistor	C15	XA0246	0 0	BU40948F-T1		[73	OC0078	g G	NL3225221-1R0J		250			Transistor	5 2
XA0224         IC         NLM2904M-T1         L76         OC0048         Chip L.         NL322522T-100J         O60         XT0095         Transistor           XA0229         IC         BU40018F         L77         OC0066         Chip L.         NL32252T-101J         O61         XU0047         Transistor           XA0294         IC         MC74HC390FL2         L80         OR0017         Coil         OR0017         O62         XU0061         Transistor           XA0079         IC         MS218FP10+1         Coil         OR0017         Coil         OR0017         OR0         XU048         Transistor	1016	XA0114	ō	UPD6345GS-T1		175	OC0040	Chip L.	NL322527-2203		800		· ·	Fransistor	5 2
Add/259         IC         BU40018F         L77         OC00086         Chip L.         NL322527-101J         O61         XU0047         Transistor           XA079         IC         MC74HC390FL2         L80         OR0017         Coil         OR0017         O62         XU0081         Transistor           XA079         IC         MS218FP-101-1         Coil         OR0017         OR0         XU048         Transistor	1017	XA0224	ပ္	NJM2904M-T1		176	QC0048	Chip L.	NL322522T-100J		090			Transistor	8
Xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx	5 5	XA0299	o g	BU4001BF		127	QC0086	Chip L.	NL32252T-101J		061			Transistor	5
XA0068 IC NS218FP-101-1 Transsion	20 20	XA0079	5 5	MC/4HC390FL2		L80	OR0017	JE O	OR0017		062			Transistor	5
	5	XA0068	2 0	M5218FP-T01-1							200			Transistor	0

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Parts No.	Description	Parts Name	Ver.	Ref. No.	Parts No.	Description	Parts Name	Ver.
XT0084	Transistor	2SC2954-T1		990	XU0148	Transistor	DTC144EUT106	
XE0028	ᇤ	3SK131V12T1		990	XU0061	Transistor	UN5211-TX	
XE0028	FET	35K131V12T1		3 6	XU0148	Iransister	DTC144EUA	
XEOUZB XEIDO61	Transistor	35K131V1211		¥ 6	HK3026	Chio R.	ERJ3GSYJ101V	
XE0028	FET	3SK131V12T1		3 2	RK3038	Chip R.	ERJ3GSYJ102V	
XE0026	FET	2SK2171-4		7 <del>4</del>	RK3042	Chip R.	ERJ3GSYJ222V	
XE0026	FET	2SK21714		R5	RK3032	Chip R.	ERJ3GSYJ331V	
XEOUZO		25K21714		ìä	HK3038	Cho	ERJ3GSYJ102V	
XE0028	臣	3SK131V12T1		2 62	RK3030		ERU3GS 73821V	
XT0084	Transistor	2SC2954-T1		810	FIX3034	Chip R.	ERJ3GSYJ471V	
XT0094	Transistor	2SA1576T106R		<u>:</u>	RK3035	Chip R.	ERJ3GSYJ561V	
XT0095	Transistor	2SC4081T106R		R12	RK3042	Chip R.	ERJ3GSYJ222V	
XT0095	Transistor	2SC4081T106R		E .	RK3018	Chip R.	ERJ3GSYJ220V	
X 10095 X T0095	Transistor	2SC4081T106R		R14	RK3030	Chip Fig. 7.	ERJ3GSYJ221V	
XE0028	FET	3SK131V12T1		, E	RK3043	. a	EHJ3GSYJ822V	
XU0078	Transistor	UN521L-TX	_	R17	RK3038	Cho A	ERJ3GSYJ102V	
XE0028	FET	3SK131V12T1		R18	RK3040	Chip R.	ERJ3GSYJ152V	
XE0028	FET	35K131V12T1		R19	RK3050	Chip R.	ERJ3GSYJ103V	
XE0028	FET	3SK131V12T1		R20	RK3026	Chip R.	ERJ3GSYJ101V	
XT0095	Transistor	2SC4081T106R		R21	RK3034	Chip R.	ERJ3GSYJ471V	
X10095	Transistor	2SC4081T106R		H22	RK3030	Chip R.	ERJ3GSYJ221V	
XT0095	Transistor	25C4081T106B		R25	HK3026	Cho H di H di	ERJ3GSYJ101V	
XU0148	Transistor	DTC144EUT106		R26	RK3046	O 10 0 10 0 10 0 10	ERJ3GSYJ472V	
XT0094	Transistor	2SA1576T106R		H28	RK3038	Chip R.	ERJ3GSYJ102V	
XT0095	Transistor	2SC4081T106R		R29	RK3038	Chip R.	ERJ3GSYJ102V	
XU0061	Transistor	UN5211-TX		R30	RK3026	Chip R.	ERJ3GSYJ101V	
XIOUSB	Transistor	2501664		R31	RK3034	Chip R.	ERJ3GSYJ471V	
XT0136	Transistor	2SD1664		H33	HK3026	S C C C C C C C C C C C C C C C C C C C	ERJ3GSYJ224V	
XU0148	Transistor	DTC144EUT106		H34	RK3058	Chip A.	ERJ3GSYJ473V	
XT0095	Transistor	2SC4081T106R		R35	RK3050	Chip R.	ERJ3GSYJ103V	
XU0148	Transistor	DTC144EUT106		H36	RK3030	Chip R.	ERJ3GSYJ221V	
XT0095	Transistor	2SC4081T106R		R37	RK3023	Chip R.	ERJ3GSYJ560V	
XUDUST	Transistor	UN511F-TX		R38	RK1025	Chip R.	ERJ8GEYJ331V	
XU0049	Transistor	UMAGTR		128	AK3018	. E	ERI3GSY 12/1V	
XU0049	Transistor	UMA9TR		H59	RK3024	Chip A.	ERJ3GSYJ680V	
XU0049	Transistor	UMA9TR		H60	RK4068	Chip R.	ERJ14YJ151H	
XU0047	Transistor	UMC3TR		H61	RK3041	Chip R.	ERJ3GSYJ182V	
XT0095	Transistor	UNSZI 1-1 X		79 F	HK 4088	Chip R.	ERJ14YJ56:H	
XU0148	Transistor	DTC144EUT106		H64	RK3034	. a	ER.13GSY1201V	
XT0094	Transistor	2SA1576T106R		R65	RK3022	Chip B.	ERJ3GSYJ470V	
XT0095	Transistor	2SC4081T106R		H66	RK3054	Chip R.	ERJ3GSYJ223V	
XT0127	Transistor	2SC3419-Y		R67	RK3074	Chip R.	ERJ3GSYJ105V	
XUUUB	Transistor	UN5211-1X		H68	RK3026	Chip F. F.	ERJ3GSYJ101V	
XT0095	Transistor	2SC4081T106R		92 B	HK3043	χ α α	EHJ3G5 YJ4/1V	
XU0148	Transistor	DTC144EUT106		H7.1	RK3026	Chip R.	ERU3GSYJ101V	
XT0111	Transistor	2SC4081LNT106S		R72	RK3044	Chip R.	ERJ3GSYJ332V	
XU0116	Transistor	DTA123EUT106		H73	RK3032	Chip R.	ERU3GSYJ331V	
XU0112	Transistor	DTA114YUT106		H74	RK3044	Chip R.	ERJ3GSYJ332V	
XU0112	Transistor	DTA114YUT106		R75	RK3038	Chip R.	ERU3GSYJ102V	
X10095	Transistor	2SC40811106R		R76	RK3013	Chip R.	ER J3GSY J8R2V	_
XU0061	Transistor	UNS211-TX		878	RK3040	. a	ERUSGSYJS30V	
XU0148	Transistor	DTC144EUT106		97.H	RK3022	o di co	EN3GSY,470V	
XU0029	Transistor	DTC114YUA T106		R80	RK3030	Chip R.	ERJ3GSYJ221V	

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Ver.

Parts Name

MAIN Unit

Ref.	Parts No.	Description	Parts Name	Ver Ref.	F	Parte No.	Decorlation		[:	700				[			
				_	+	T	Home	Fans Name	Ver.	Š	Parts No.	Description	Parts Name V	Ver. Ref.	Parts No.	lo. Description	otion
R82	RK3058 RK3052	Chio Ri	ERJ3GSYJ473V	4 t	ac a			ERJ3GSYJ101V		R208	RK3049	Chip R.	ERJ3GSYJ822V	B272	8K3050	e circ	8
R83	RK3038	Chip R.	ERJ3GSYJ102V	8146	r oc	K3074 CP	Chick A	ERJ3GSYJ473V ERJ3GSYJ473V		R209	RK3032	Chip R.	ERJ3GSYJ331V	R273		Chip R.	3 8
H84	RK3032	Chip R.	ERJ3GSYJ331V	R147	άc			EAJ3GSYJ102V		R212	RK3045	Chip R.	ERJ3GSYJ392V	R274		Chip R.	ERJ
785 5	RK3050	Chip R.	ERJ3GSYJ103V	R148	α			ERJ3GSYJ102V		HZ13	HK3046	Chip R.	ERJ3GSYJ472V	R275		Chip R.	ERJ
H86	RK3026	Chip R.	ERJ3GSYJ101V	R149	Œ			ERJ3GSYJ392V		R215	RK3074	e di di	ERJ3GSYJ822V	R276		Chip R.	ERJ
92.0	HK3042	Sign of the sign o	ERJ3GSYJ222V	R 85	āc .			ERJ3GSYJ101V		R216	HK3074	Chio B	FRI3GSV HOSV	H2//	HK3058	0 G	E 1
88	HK3062	Circle Control	ERUJGSYJ103V	R161	oc d			ERJ3GSYJ103V		R217	RK3062	Chip R.	ERJ3GSYJ104V	R279		χ α 2 ξ	23 6
R90	RK3042	Chip R.	ERJ3GSYJ222V	8153	r à	K3052	Chip R.	ERJ3GSYJ682V		R218	RK3075	Chip R.	ERJ3GSYJ125V	R280		Chip B.	
R91	RK3054	Chip R.	ERJ3GSYJ223V	R 154	æ			ERJ3GSYJ332V	_	R219	RK3074	Chip R.	ERJ3GSYJ105V	R281		Chip R	. E.
R92	RK3026	Chip R.	ERJ3GSYJ101V	R155	ă			ERJ3GSYJ334V		R221	RK3074	2 2 2 3 3 4 8 8	ERJ3GSYJ105V	R282		Chip R	ER
26 E	HK3022	Chip R.	ERJ3GSYJ470V	H156	œ			ERJ3GSYJ103V		R222	RK3047	Chica F. F.	ERJ3GSYJ562V	H283	HK3067	OF C	E (
R95	RK3078	Chio A	ERJ3GSYJ4/1V	R157	ac a			ERJ3GSYJ473V		R223	RK3034	Chip R.	ERJ3GSY3471V	R285		. a	2 0
H96	RK3043	Chio	ERJ3GSY,1272V	2 0	ro			ERJ3GSYJ123V		R224	RK3050	Chip R.	ERJ3GSYJ103V	R286		2 0	2 0
R97	RK3058	Chip R.	ERJ3GSYJ473V	8180	c a	3050	Chica .	EHJ3GSYJ473V EBJ3GSYJ473V		R225	RK3030	Chip R.	ERJ3GSYJ221V	R287		Chip R	3 23
H98	RK3038	Chip R.	ERJ3GSYJ102V	79	č			ERJ3GSYJ473V		R226	RK3049	Chip R.	ERJ3GSYJ822V	H288		Chip R.	ERJ
93	RK3042	Chip R.	ERJ3GSYJ222V	R162	æ			ERJ3GSYJ221V		R228	RK3070	ξ α σ ε	ERJ3GSYJ474V	R289	_	Chip R.	<u>=</u>
3 10	RK3026	Cho Si Si Si Si Si Si Si Si Si Si Si Si Si	ERJ3GSYJ474V	R163	āc (			ERJ3GSYJ103V	_	R229	RX4082	Chio R.	ERJ14YK4R7H	HZ30	HK3022	0 G	<u> </u>
R102	RK3034	Chio P.	ERU3GSY,1471V	H154		HK3062 Ch		ERJ3GSYJ104V		H230	RK1035	Chip R.	ERJ8GEYJ102V	R292		2 5	2 0
R103	PK3050	Chip R.	ERJ3GSYJ103V	818			Chick.	ERJ3GSYJ472V		R231	RK4082	Chip R.	ERJ14YK4R7H	R293		ChoR	3 20
R104	RK3026	Chip A.	ERJ3GSYJ101V	R167	æ			ERJ3GSYJ471V		H232	RK1035	Chip R.	ERJ8GEYJ102V	R294		Chip R.	ER
B105	RK3050	Chip R.	ERJ3GSYJ103V	H168	Œ			ERJ3GSYJ155V	_	R234	RK3054	5 G 6 G 7 G	ERJ3GSYJ223V	R295		Chip P.	ERJ
2 7 7	RK3034	Cap K	ERJ3GSYJ123V	H169	Œ.			ERJ3GSYJ104V		R235	RK3050	9 6	ERJ3GSYJ103V	H296	HK3050	Chip R	2 6
R108	RK3046	Chio R.	ERJ3GSYJ472V	6.14 5.14	œ a	(3058 Ch	Chip R.	ERJ3GSYJ473V		R236	RK3001	Chip R.	ERJ3GSY0R00V	R298		0 0	
R109	RK3046	Chip R.	ERJ3GSYJ472V	817	c cc			ERJ3GSYJ102V FRJ3GSY (103V		R237	RK3057	Chip R.	ERJ3GSYJ393V	R299		Chio	. E.
2 :	RK3045	Chip R.	ERJ3GSYJ392V	F173				ERJ3GSYJ473V		R238	HK3057	Chip Chip Bis di	ERJ3GSYJ393V	R300		Chip R.	ERJ
R112	HK3030		EHJ3GSYJ103V	R174	āc i			ERJ3GSY0R00V		R240	RK3042	Chip R.	ERJ3GSYJ222V	K302	HK3050	O Circle	<u> </u>
R113	RK3030	Chip R.	ERJ3GSYJ221V	R175	Ĩ ā	HX3044 Ch	Chip R.	ERJ3GSYJ332V		R241	RK3053	Chip A.	ERJ3GSYJ183V	R303	-	o o	
H14	RK3030	Chip R.	ERJ3GSYJ221V	R17	æ			ERJ3GSYJ332V		R242	RK3060	Chip R.	ERJ3GSYJ683V	R304		Chip R.	ER
R115	RK3042	Chip R.	ERJ3GSYJ222V	R178				ERJ3GSYJ473V		R244	RK3050	2 5 7 8 9	ERJ3GSYJ103V	R305	-	Chip R.	ERJ
R117	RK3046	2 G	ERJ3GSYJ472V	R179				ERJ3GSYJ103V		R245	RK3060	O G	ERJ3GSYJ683V	H306	RK0114	Chip A	200
R118	HK3046	Chito R	ERJ3GSYJ472V	2 2	ī ā	HK3049 Ch	Chip R.	ERJ3GSYJ822V		H246	RK3056	Chip R.	ERJ3GSYJ333V	R308		C die	2 0
8119	RK3030	Chip R.	ERJ3GSYJ221V	R182	â			ERJ3GSYJ101V ERJ3GSYJ223V		H247	RK3056	Chip R.	ERJ3GSYJ333V	R309		Chip R.	
R120	PK3030	Chip R.	ERJ3GSYJ221V	R183				ERJ3GSYJ103V	_	H248 H249	HX3054	Chio R	ERJ3GSYJ223V	R310		Chip R.	ER.
R122	RK3051	2 2 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	ERJ3GSYJ221V	R184				ERJ3GSYJ103V		R250	RK3050	Chicago F. F. F.	ERJ3GSYJ104V	R311	RK3074	Chio R.	2 6
R123	RK3050	Chip R.	ERJ3GSYJ103V	8 8		HK3050 Ch		ERJ3GSYJ103V		R251	RK3046	Chip R.	ERJ3GSYJ472V	R313			2 2
R124	RK3050	Chip R.	ERJ3GSYJ103V	A187			Chip R	ERJ3GSYJ473V		R252	RK3062	Chip A.	ERJ3GSYJ104V	R314		Chip R.	. E
R125	RK3058	Chip R.	ERJ3GSYJ473V	R189				ERJ3GSYJ104V		H253	HK3050	Chio R.	ERJ3GSYJ103V	R315		Chip R.	ER
8 6	HK3026	Chip P.	ERJ3GSYJ101V	R190				ERJ3GSYJ104V		R255	RK3069	. a	ERIOGENIUM	H316		Chip R.	EB.
R128	RK3034	i di	ER.13GSY.1471V	1919		RK3058 Ch		ERJ3GSYJ473V		R256	RK3071	Chip R.	ERJ3GSYJ564V	R318	RK3046	ב. פינים בינים	
R130	RK3050	Chip R.	ERJ3GSYJ103V	8193			Chip K.	ERJ3GSYJ473V		R257	RK3074	Chip R.	ERJ3GSYJ105V	R319		Chip R.	
R131	RK3026	Chip R.	ERJ3GSYJ101V	R194				ERJ3GSYJ333V		R258	RK3041	Chip R.	ERJ3GSYJ182V	R320		Chip R.	ER
H132	RK3054	Chip R.	ERJ3GSYJ223V	R195			Chip R.	ERJ3GSYJ154V		R260	BK3060	Chica Chica	ERJ3GSYJ153V	R321		Chip R.	8
3 2	RK3058	Cho R.	ERJ3GSYJ101V	H196				ERJ3GSYJ473V		R261	RK3051	0 Kg	ERJ3GSY,1123V	H322	HK3057	Chic R of the	2 6
R136	RK3059	Chip R.	ERJ3GSYJ563V	, e a	•••	HK3056 Ch	Chip R.	ERJ3GSYJ333V		R262	RK3038	Chip R.	ERJ3GSYJ102V	R324		2 C	
R136	RK3042	Chip R.	ERJ3GSYJ222V	H 199				ERIJGSV M72V		R263	RK3034	Chip R.	ERJ3GSYJ471V	R325		Chip R.	ER
R137	RK3042	Chip R.	ERJ3GSYJ222V	R200			,-	ERJ3GSYJ154V		HZ64	HK3034	C) (0) (1) (1) (1)	ERJ3GSYJ471V	R326		Chip R.	EBJ
86.5	RK3032	Chip R.	ERJ3GSYJ331V	R20				ERJ3GSYJ274V		R266	RK3034	. a	ERJ3GSYJ473V	R327		Chip R.	E
2 E	HK3047	5 5	ERJ3GSYJ474V	R202				ERJ3GSYJ334V		R267	RK3053	Orio Gr.	ERJ3GSYJ183V	H328	HK30/2	C Sign	a a
H141	RK3062	Chip R.	ERJ3GSYJ104V	R204		RK3074 Chi	Chick Chick	ERJ3GSYJ222V FRJ3GSY HOEV		R268	RK3034	Chip R.	ERJ3GSYJ471V	R330		Chip R.	
R142	HK3038		ERJ3GSYJ102V	R205				ERJ3GSYJ471V		H269	HK3058	Chip R	ERJ3GSYJ473V	H331	_	Chip R.	ERJ
R143	RK3042	Chip A.	ERJ3GSYJ222V	R20		RK3051 Chi		ERJ3GSYJ123V		R271	RK3074		ERJ3GSYJ223V	R332		Chip R.	E.
(												2	Engage 13103V		HK3055	Chip R.	ERJ

ERJ3GSYJ103W
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ERJ3GSYJ103W
ERJ3G

MAIN Unit

Hef.	Parts No	Description	The state of		net.					Mecia	Mechanical / MIC Unit / OTHER	III / OTHER
Š.	Tails is.	Describition	Farts Name	Ver.	Ś	Parts No.	Description	Parts Name	Υ.	Ref.	Parts No.	Description
R334	RK3038	Chip R.	ERJ3GSYJ102V		R397	RK1023	Chip R.	ERJ8GEYJ271V				Mecha
R336	RK3066	E 6	ERJ3GSYJ101V		R398	RK3054	Chip R.	ERJ3GSYJ223v			AA0007	
R337	RK3038	Chick	EB.13GSV 1102V		H398	HK3054	Chip R.	ERJ3GSYJ223V			AA0024	
R338	RK3026	Chip R.	ERJ3GSYJ101V	_	R401	BK3054	Chip.	EHJ3GSYJ223V			AA0050	
R339	RK3042	Chip R.	ERJ3GSYJ222V		R402	RK3054	Chio P.	ERU3GSTJ223V FRU3GSYJ223V			AA0057	
R340	RK3042	Chip R.	ERJ3GSYJ222V		R404	RK3062	Chip R.	ERJ3GSYJ104V			AA0059	
R341	RK3034	Chip P.	ERJ3GSYJ471V		R405	RK3047	Chip R.	ERJ3GSYJ562V			AA0060	
R342	RK3034	Chip R.	ERJ3GSYJ471V		R406	RK3049	Chip R.	ERJ3GSYJ822V			AA0061	
R344	HK3050 BK1035	ori ori	ERJ3GSYJ103V		R407	RK3046	Chip R.	ERJ3GSYJ472V			AB0011	
B345	RK3034		EHJ8GEYJ102V		R408	RK3054	Chip R.	ERJ3GSYJ223V			AD0005	
R346	RK3034	2 C	ERJ3GSYJ4/1V		R409	RK3014	Chip R.	ERJ3GSYJ100V			AF0005	
R347	RK3034	Chip R.	EBJ365Y.1471V		141	KK302/	Chip R.	ERJ3GSYJ121V			AJ0015	
R348	RK3050	Chip R.	ERJ3GSYJ103V		2	HASOU	or o	EHJ3GSY0R00V			AJ0017	
R349	RK3046	Chip R.	ERJ3GSYJ472V								AJ0029	
R350	RK3050	Chip R.	ERJ3GSYJ103V		S	US0012	Switch	C-1 SIN \$6162555		_	AN0012	
R351	RK3033	Chip R.	ERJ3GSYJ391V				j	2=1 CN V2: 70000			AP0026	
R352	RK3015	Chip R.	ERJ3GSYJ120V	_	Ξ	8100SX	Thermistor	TBPS1R472K440H5Q			AZ0031	
1303	HK3024	Cho R.	ERJ3GSYJ680V		1 <u>4</u> 2	XS0017	Thermistor	TBPS1R222K410H5Q			FF0031	
R355	RK3064		ERJ3GSV 1154V		ġ		,				FF0032	
H356	RK3046	Chip R.	ERJ3GSYJ472V		2 2 2	BH0101	T. T. T. O.	EVM1YSX50B12			FG0147	
R357	RK3030	Chip R.	ERJ3GSYJ221V	_	VR3	RH0103	Trim.Pot	EVM1YSX50814			FG0197	
R358	RK3045	Chip R.	ERJ3GSYJ392V	_	VR4	RH0103	Trim.Pot	EVM1YSX50B14			FG0206	
H359	HK3030	Chip R	ERJ3GSYJ221V		VRS	RH0111	Trim.Pot	EVM1YSX50BQ5			FG0244	
R361	PK0020	i di	EHJ3GSYJ224V		VR6	RH0103	Trim.Pot	EVM1YSX50B14			FM0083	
R362	RK3018	Chip R.	ERJ3GSYJ220V		) a	HH0108	Trim.Pot	EVM1YSX50B15			FM0102	
R363	RK3018	Chip R.	ERJ3GSYJ220V		S S	RH0108	Trim Pot	EVM1YSX50BQ5			FM0163	
R364	RK3048	Chip R.	ERJ3GSYJ682V		VR10	RH0099	Trim.Pot	EVM1YSX50BE3			FM0104	
H365	RK3042	Chip R.	ERJ3GSYJ222V		VR11	ян0099	Trim.Pot	EVM1YSX50BE3			FM0106	
D367	RK3040	G 0	ERJ3GSYJ222V		VR12	RH0099	Trim.Pot	EVM1YSX50BE3	_		FMOTOR	
H368	BK3001	i di	EMJ3GSYJ152V	_	VR13	RH0103	Trim.Pot	EVM1YSX50B14			FP0004	
R369	RK3050	Chip R.	ERJ3GSYJ103V		VH14	RH0103	Trim.Pot	EVM1YSX50B14			FP0099	
R370	RK3050	Chip A.	ERJ3GSYJ103V		2	2	5	EVMITSXSUBIE			FP0100	
R371	RK3050	Chip R.	ERJ3GSYJ103V		×	XK0001	Filter	CDB455C7			KM0195	
H372	RK3050	Chip R	ERJ3GSYJ103V								KZ0027	
7374 8374	HK3050	2 5 7 8	ERJ3GSYJ103V						_		KZ0028	
R375	RK3050	c α	ERJ3GSYJ103V						_	-	KZ0030A	
R376	RK3050	Chip R.	ERJ3GSYJ103V								KZ0032	
R377	RK3064	Chip R.	ERJ3GSYJ154V								KZ0039	
R378	RK3050	Chip R.	ERJ3GSYJ103V								NK0043	
H3/8	RK3050	Chip R.	ERJ3GSYJ103V								NK0044	
H381	RK3058		ERJ3GSYJ103V								SPOODS	
R382	RK3050	Chip R.	ERJ3GSYJ103V								SP0014	
H383	RK3053	Chip R.	ERJ3GSYJ183V								990088	
H384	RK3054	Chip R.	ERJ3GSYJ223V								220067	
H.385	HK3047	Chip A.	ERJ3GSYJ562V								\$50068	
F.388	RK3034	. a	EHJ3GSYJ101V								SS0069A	
R389	RK3034	Chip R.	ERU3GSYJ471V								TS0104	
R390	RK3053	Chip R.	ERJ3GSYJ183V								TS0105	
R391	RK3064	Chip R.	ERJ3GSYJ154V								TS0119	
H392	RK3050	Chip A.	ERJ3GSYJ103V								TZ0066	
R394	HK3058	e e	ERJ3GSYJ222V								900009	
R395	RK3066		ERU3GSY,1224V									
R396	RK3042	Chip R.	ERJ3GSYJ222V									
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MOOTH   Mechanical   MICLIFIC   MICRIFIC	<u></u>	Nef.	Parts No.	Description	Parts Name	Ver.	ë ë	Parts No.	Description	Parts Name	چ
M. Company				Mechan	ical				MIC Un	ı,	
Marcheller   1987   Compact Commerced			AA0007		M2 6+6FACr		2	) IEMB1	Constitution	1 000	
1.78   C000966   Chip L.			AA0024		M3+6FeN		, s	UEOGSS	Connector	MIC EMOTA SOMBY	
M. Steffer   M.			AA0050		26+6FeBC		2 2	COURS	Pin C	MICO WE THOSINI	
MA-10F-PGC   MA-			AA0057		NO B. SECO.		2 5	00000	; ; 5 (	101-12522	
MATCHER			440059		100 00 00 00 00 00 00 00 00 00 00 00 00		2	8000	ن وا	NL3225221-101J	
Marketing			4 4 0060		MZ.0+0FeN						
26-45FeNI			440061		M4+ZUFeC				OTHE	~	
MA-1-6F-G/N   WA-1-6F-G/N   WA-1-6F-G/N   WA-1-6F-G/N   Se-6F-G-G/N   Se-6F-G/N   Se-6F-G-G/N   Se-6F-G-G/N   Se-6F-G-G/N   Se-6F-G-G/N   Se-6F-G/N   Se-6F-G-G/N   Se-6F-G/N			*******		MZ.5+8BC						1
WATASPEN   UKNOSS   WATASPEN   WATASPEN   WATASPEN   WATASPEN   SAGE   COROL			490070		26+8FeNi			YZ0001		Silicon Grease	
MA-10Fe-GY   UEC628   S00034   MA-10Fe-GY   MA-10Fe-GY   S00034   ET 90034			AB0011		XYN3+8FN			UX1085		Wire ACC Connecter	
2.6-6F-68G   2.6-6-6F-68G   2.6-6-6F-68G   2.6-6-6F-68G   2.6-6-6F-68G   2.6-6-6F-68G   2.6-6-6F-68G   2.6-6-6F-68G   2.6-6-6F-68G   2.6-6-6F-68G   2.6-6-6-6F-68G   2.6-6-6-6F-68G   2.6-6-6-6-6-6-6-6-6-6-6-6-6-6-6-6-6-6-6-	_	_	AD0005		M4+10FeCr			UE0258		FM-M.D.R.(4)	
2.6-6F-8G			AF0005		M2+3.5FeN			SD0034		Earth lug	
2.6.6Fe8G3   C601   XT0101   Transistor Dial Nut Dial N			AJ0015		2.6+6FeCr			ET0008		FBA 06T12HF	
1-6FeCr   1-6FeCr   1-6FeCr   1-6FeCr   1-6FeCr   1-6FeCr   1-6FeCr   1-6-1-6FeCr			AJ0017		2.6+6FeBG		960	XT0101	Transistor	2SC1971	
Dial Nut			AJ0029		3+6FeCr		090	XT0046	Transistor	2501973	
Variable	-		AN0012		Diad Nut		0903	XT0046	Transistor	2SC1972	
Washer         G6605         XE0031         FET           Clayt Shield Cloth         W1         UX1077         Wire           Pad         UX1077         Wire         Wire           Pad         PAD         Wire         Wire           PAD         W2         UX1077         Chip C. <t< td=""><th></th><td></td><td>AP0026</td><td></td><td>2.6+14BC</td><td></td><td>900</td><td>XE0031</td><td>Light.</td><td>MRFORE</td><td></td></t<>			AP0026		2.6+14BC		900	XE0031	Light.	MRFORE	
Light Shield Cloth			AZ0031		Washer		0000	XE0031	į	MBF255	
PA UNIT Cushon			FF0015		Light Shield Cloth		×	UX1076A	Wire	Wire FRONT-MAIN	
Pad			FF0031		Cloth 7*30		W2	UX1077	Wira	Wire FRONT-MAIN 2	
Pubber   Spring   Coustion   Tri 1001   Tri 1001   Tri 1002   Tri 1002   Tri 1002   Tri 1002   Tri 1003   Tr			FF0032		Pad						
Total			FG0147		Rubber				PA Un		1
The control of contr			10030		SP Cushion						1
Common Number			10001		TONE UNIT Cushion	ž		11001		Tube 0.7 1mm	
Washing         TriQuest           V. Spring         TriQuest           SP Angle         C601           Fan Cover Angle         C602           FRONT Angle         C603           Commecter Angle         C603           Sheet         C603           Bind Wire         C603           Sheet         C603           C604         C10303           C605         C10303           C606         C10303           C607         C10303           C608         C10303           C609         C10303           C609         C10303           C609         C10303           C600         C10303           <			FG0244		Insulation Rubber			TT1002		Tube 1.0 1mm	
Capture			F1900132		Spring String			110405		Protection Bag	
Particular			FMUJOS		Washer			UP0319A		PA Circuit Board	
FRONT Angle B C603 CU3044 Chip C Connected Angle C C603 CU3044 Chip C C Connected Angle U C605 CU3044 Chip C C Connected Angle U C606 CU3044 Chip C C C C C C C C C C C C C C C C C C C			FMOTOR		SB Applie		5 6	CU8042	Chip C.	C2012JB1C104KT-A	
FRONT Angle U C005 CU0089 CU0089 CU0089 Cub C00808 CU0089 Cub C00808 Cu00808 C			FM0104		Fan Cover Angle		2002	CU8042	Chic C	C2012JB1C104KT-A	
FRONT American Code Cucode Chip Code Cucode			FM0106		FRONT Andia B		2000	C03047	j 6	C1608JB1H103KT-A	
Contracter Angle			FM0107		FRONT Angle 11		2000	0,000	. o	CZUIZJBIHIUZK	
Bind Wire         G86B         CU8012         Chip C.           Bind Balt         C609         CU8016         Chip C.           Bind Sassis Case         C610         CE0302         Chip C.           Shassis Case         C611         CU3039         Chip C.           FRONT Panel S         C613         CU3035         Chip C.           FRONT Cover S         C614         CU0089         Chip C.           FRONT Cover S         C616         CU0089         Chip C.           VOL Knob         C617         CL00089         Chip C.           SUB Dial Knob         C617         CE0335         Electrolyfic C.           VOL Knob         C619         CL08015         Chip C.           SUB Dial Knob         C619         CL08016         Chip C.           SUB Dial Knob         C619         CL08016         Chip C.           MAID Spring         C622         CU8016         Chip C.           MAD Spring         C622         CU9032         Chip C.           FRONT Chassis         C624         CU9032         Chip C.           FRONT Chassis         C626         CU7040         Chip C.           FRON Shield         C629         CU3021         Chip C. <th></th> <td>_</td> <td>FM0108</td> <td></td> <td>Connecter Angle</td> <td></td> <td>C607</td> <td>CUBOS</td> <td>j (</td> <td>C2012 tel E333 J</td> <td></td>		_	FM0108		Connecter Angle		C607	CUBOS	j (	C2012 tel E333 J	
Sheet			FP0004		Bind Wire		808	CU8042	Chic	C2012/IB1C104KT-4	
Shassis Case			FP0099		Sheet		6090	CU3016	Chio	C2012.1B131.02K	
Shassis Case   C811   CU3059   Chip C.			FP0100		Blind Seal		C610	CE0302	Electrolytic C	ECEVOGA470B	
Top Gase			XM0195		Shassis Case		2613	CU3059	Chip C.	C1808/F1F1047T-4	
M. Diak Noob			KZ0027		Top Case		C612	CU3035	Chip C.	C1608JB1H102KT-A	
M. Dial Knob         C614         CU0089         Chip C.           PRONT Cover S         C615         CU0002         Chip C.           Under Case T         C616         CU0002         Chip C.           SUE Dial Knob         C617         CE0303         Electrolyte C.           VOL Knob         C618         CU3059         Chip C.           SUE Dial Knob         C619         CU3059         Chip C.           SUE Dial Knob         C619         CU3059         Chip C.           SUE Dial Knob         C619         CU3059         Chip C.           Earth Jug         C622         CU3032         Chip C.           M.Dial Spring         C622         CU3032         Chip C.           Chassis         C623         CU3032         Chip C.           Filer Chip C.         C626         CU7041         Chip C.           FRONT Chassis         C626         CU7041         Chip C.           Filer Shield         C627         CU3043         Chip C.           Filer Shield         C627         CU3041         Chip C.           Shield cover         C632         CU3032         Chip C.           C641         C676         C6766         CU7041         Chip C. </td <th></th> <td></td> <td>KZ0028</td> <td></td> <td>FRONT Panel S</td> <td></td> <td>C613</td> <td>CU8002</td> <td>Chip C.</td> <td>C2012JB1H103KT-A</td> <td></td>			KZ0028		FRONT Panel S		C613	CU8002	Chip C.	C2012JB1H103KT-A	
FRONT Cover S			KZ0029		M. Dial Knob		C614	CU0089	Chip C.	C2012CH1H331J	
Under Case T         G516         CUB021         Chio C.           SUB Dial Knob         G617         CE0335         Electrolyte C.           VOL Knob         G619         CU3016         Chip C.           Earthing Spring         G621         CU8032         Chip C.           MABI Spring         G622         CU8032         Chip C.           Earth Jug         G623         CU8032         Chip C.           Filer Lassis         G624         CU9032         Chip C.           FRONT Chassis         G626         CU7040         Chip C.           FRONT Chassis         G627         CU7041         Chip C.           FRONT Chassis         G627         CU7040         Chip C.           FRONT Chassis         G627         CU7040         Chip C.           FRONT Chassis         G627         CU7041         Chip C.           FRONT Chassis         G627         CU7041         Chip C.           Factor Cover         G628         CU7040         Chip C.           File Shield         G627         CU7041         Chip C.           Shield cover         G632         CU3011         Chip C.           Earth spring         G632         CU3012         Chip C. </td <th></th> <td></td> <td>KZUU3UA</td> <td></td> <td>FRONT Cover S</td> <td></td> <td>C615</td> <td>CU8002</td> <td>Chip C.</td> <td>C2012JB1H103KT-A</td> <td></td>			KZUU3UA		FRONT Cover S		C615	CU8002	Chip C.	C2012JB1H103KT-A	
SUB Dial Knob         C617         C6335         Electrolytic C.           VOL Knob         C619         CU3056         Electrolytic C.           SUB Dial Knob         C619         CU8032         Chip C.           Earthing Spring         C622         CU8032         Chip C.           M.Dial Spring         C623         CU8032         Chip C.           Earth Jug         C624         CU8032         Chip C.           Filter P.B. Chassis         C624         CU8032         Chip C.           MANN Chassis         C624         CU8032         Chip C.           FRONT Chassis         C626         CU7040         Chip C.           VCO Cover         C626         CU7040         Chip C.           Flas Shield         C628         CU7041         Chip C.           Shield cover         C632         CU3301         Chip C.           Z5C1971-01 Attachment         C638         CC3665         Chip C.           C642         CU8032         Chip C.         C646           C653         C636         CC3665         Chip C.           C674         C676         Chip C.         C676           C675         C7301         Chip C.           C676			KZ0032		Under Case T		616	CU9021	Chip C.	C3216CH1H470JT-A	
VUL KNOOD         COSIS         CU30569         Chip C.           SUB Ball Knood         GR21         CU40016         Chip C.           Earthing Spring         GR22         CU40012         Chip C.           Earth Lug         GR22         CU40022         Chip C.           Chansis         GR22         CU40022         Chip C.           Chanssis         GR22         CU40022         Chip C.           FRONT Chassis         GR26         CU7040         Chip C.           FRONT Chassis         GR26         CU7040         Chip C.           FRONT Chassis         GR27         CU7041         Chip C.           Fan Shied         GR27         CU7040         Chip C.           Faller Shied         GR29         CU40022         Chip C.           Faller Shied         GR31         CU3041         Chip C.           Shield cover         GR31         CU3041         Chip C.           GS217-101 Attachment         GR37         CG2065         Coaramic C.           GR41         CE0363         Effectivelyte C.         CG46         CH9012           GR42         CU9009         Chip C.         CG46         CH9012         Chip C.           GR42         CU900			KZ0039		SUB Dial Knob		C617	CE0335	Electrolytic C.	ECEA1CKS101	
Earthing Spring Cat's Cubasta Chip C. Cat's M.Dial Spring Cat's Cubasta Chip C. Cat's Cubasta Chip C. Cat's Chip C. Cat's Cat'			NK0043		VOL Knob		818	CU3059	Chip C.	C1608JF1E104ZT-A	
March   Marc			NK0044		SUB DIal Knob		25.5	CU8016	Chip C.	C2012JB1H102K	
Control			SPOODS		Earming Spring		3 5	CUSUSS	Chip C.	C2012JB1E223KT-A	
Chassis   Casa			SP0014		מין לדפת		2002	CUSUSZ	ا ا ان د	C2012JB1E223KT-A	
Filter P. B. Chassis G625 GU9023 Chip C. Filter P. B. Chassis G626 GU9023 Chip C. FRONT Chassis G626 GU7040 Chip C. FRONT Chassis G627 GU7041 Chip C. For Shield G629 GU7041 Chip C. Falter Shield G629 GU9022 Chip C. Shield cover G631 GU9023 Chip C. Shield cover G631 CU3101 Chip C. Shield cover G632 GU3101 Chip C. G631 CU3101 Chip C. G631 CU3101 Chip C. G631 CU3101 Chip C. G631 CC5085 Coaramic C. G634 CU9012 Chip C. CG43 CU9013 Chip C. CG43 CU3013 Chip C. CG43 CHIP CHIP CHIP CHIP CHIP CHIP CHIP CHIP			550066		Chassis		3 8	C118032	ن ا ا	C2012JB1E223K1-A	
MAIN Chassis FRONT Chassis FRONT Chassis GE27 GE27 GE27 GE27 GE27 GE27 GE27 GE27			220067		Fifter P.B. Chassis		C625	CU3023	j (	C2016CH1U101 IT A	
FRONT Chassis G827 CU7041 Chip C. CV704 Chip Chip Chip Chip Chip Chip Chip Chip			550068		MAIN Chassis		Cese	CLIZOAO	j (	Cotto opinos irona	
VCO Cover         C628         CU7041         Chip C.           Fan Shied         C629         CU8032         Chip C.           File Shied         C631         CU3:01         Chip C.           Shied cover         C632         CU3:01         Chip C.           2SC1971-01 Attachment         C637         C64085         Ceramic C.           Earth spring         C638         CC5085         Ceramic C.           C641         CE0353         Electrolytic C.           C642         C18012         Chip C.           C643         C18012         Chip C.           C644         CE0353         Electrolytic C.           C643         C18012         Chip C.           C644         C18012         Chip C.           C645         C18012         Chip C.           C646         C18012         Chip C.			SS0069A		FRONT Chassis		C627	CU7041	j 0	GRM43-2CH3311500P1	
Fan Shield   C629   CU8032   Chip C.			TS0042A		VCO Cover		C628	CU7041	Chip C.	GRM43-2CH391J500PT	
Files Sheld   C631   CU3101   Chip C.     Sheld cover   C637   CU3101   Chip C.     S2C1971-01 Attachment   C637   CC5085   Ceramic C.     Earth spring   C641   CE0353   Electroync C.     C642   C19012   Chip C.     C643   C19016   Chip C.     C644   C19016   Chip C.     C644   C19016   Chip C.     C645   C19016   Chip C.     C646   C19016   Chip C.     C647   C648   C19016   Chip C.     C648   C19016   Chip C.     C649   C19016   Chip C.     C640   C640   C19016   Chip C.     C640   C640   C640   C640   C640   C640   C640     C640			TS0104		Fan Shield		C629	CU8032	Chip C.	C2012JB1E223KT-4	
Sheld cover C632 CU3101 Chip C. 22C1971-01 Aftachment C637 CC5868 Ceramic C. C638 CC5887 Ceramic C. C641 CE0353 Electropic C. C642 CU9012 Chip C. C644 CLI9014 Chip C.			TS0105		Filter Shield		C631	CU3:01	Chip C.	C1608JB1C473KT-A	
2SG1971-01 Attachment C637 CC5085 Ceramic C.			TS0119		Shield cover		C632	CU3101	Chip C.	C1608JB1C473KT-A	
C547h spring C638 CC5087 Ceramic C. C641 CE0353 Efectioyinc C. C642 CU9012 Chip C. C643 CU9009 Chip C. C644 CLIROTA Chip C. C644 CLIROTA Chip C.			TZ0066		2SC1971-01 Attachment		C637	CC5085	Ceramic C.	RCC09SL181J-L46AU	
CE0353 Electrolytic C. CU9012 Chip C. CU9009 Chip C. CU9009			300034		Earth spring		0638	CC5087	Ceramic C.	RCC09SL221J-L46AU	
CU9002 Chip C. CU9009 Chip C.							5 5	CE0353	Electrolytic C.	16MV470HC	
CLISO16							C542	CU9012	Chip C.	C3216JF1H104ZT	
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CLU3035   CLU3045   CLU3045   CLU3045   CLU3045   CLU3047   CLU	C645	CU3035	Chip C.	C1608JB1H102KT-A		FH601	UH0014	Files holder	200 00000	$\perp$
CURDAY         ОТВОВОВЛЕНИИЗМИТА         CORD         AND 22         C           0.108047         ОТВОВДЕНИИЗМИТА         1601         CORDOS JASK         C           0.108047         ОТВОВОВНИИЗМИТА         1601         CORDOS JASK         C           0.108047         ОТВОВ В НИТОВИТА         1601         CORDOS JASK         C           0.108047         ОТВОВ В НИТОВИТА         1601         CORDOS JASK         C           0.108047         ОТВОВ В НИТОВИТА         1602         CORDOS JASK         C           0.108047         ОТВОВ В НИТОВИТА         1606         CORDOS GARD         C           0.108047         ОТВОВ В НИТОВИТА         1616         CORDOS GARD         C           0.108047         ОТВОВ В НИТОВИТА         1616         CORDOS GARD         C           0.108047         ОТВОВ В НИТОВИТА         1616         CORDOS GARD         C           0.108047         ОТВОВ В НИТОВ В В В РЕККОВ         C         COT	848	CU3035	Chip C.	_		FH602	UH0014	Fuse holder	PFC5000-0301	
CLUSAY	7 6 6 7	CE0343	Electrolytic C.							
CU0047	9 0	C03047	ر ا ا	C1608JB1H103KT-A		10801	XA0224	ರ	NJM2904M-T1	_
CU00594	0990	C13047		C1608JB1H103KT-A						
CU0047   CU0048   C	C651	CU3047	i citi	C1608 ID1111001CT :		1601	020070	Jack	JPJ2545-01-510	
CLORGOS   CURSON	C652	CU3047	Chip C	C1608 IB1H103KT.A		2092	020000	Jack	JPJ2545-01-510	
S CEGOTS         Electroline C. (Creek Institution C. )         CARRES         CARROLIS	C653	CU3035	S C C C C C C C C C C C C C C C C C C C	C1608 IB1 L100KT A		3				
CU13947   CU13	C654	CE0376	Electrolytic C	_		500	CC0039	Chip L	NL322522T-1R0J	
CUIDANT         Chip C.         CHERRER HITOSYTA         LEGA         CHORDAS         CHIP L.           CUIDANT         CHERRER HITOSYTA         LEGA         CRO0339         CHIP L.         CHERRER HITOSYTA         LEGA         CHORDAS         CHIP L.           CUIDANT         CHIP C.         CHERRER HITOSYTA         LEGA         CHERRER HITOSYTA         LEGA         CHERRER HITOSYTA         LEGA         CHERRER CHIP CHIP CHIP CHIP CHIP CHIP CHIP CHIP	C655	CE0353	Electrolytic			7007	QH0014C	3	QR0014C	
CLIGNAY   Chip C.   CTGGGRBH HIGGETA   Libbs   CROOLS   CONTINUED CONTINUE	9590	CU3047	Chip C.	C160R1R1H103KT-A		200	00000	gip Si	NL322522T-1R0J	
CLUDDAY	C657	CU3047	Chip C.	C1608JB1H103KT-A		. 604	000033		NL322522T-1R0J	
CU3047	C658	CU3047	Chip C.	C1608JB1H103KT-A		1606	OBOOTS	induction in the second	ZBFZ53D-00	
CU3037	C659	CU3047	Chip C.	C1608JB1H103KT-A	_	1807	CERTON	3 8	Iroidal Core QR0012	_
CU3047	C861	CU3035	Chip C.	C1608JB1H102KT-A		1,608	CROOLS	5 8	CHUUZ5	
CU30347	C663	CU3047	Chip C.	C1608JB1H103KT-A		6097	OBOOR	i di	House Core CHUUTZ	
CU3047   Chip C.   C16084B1H102RTA   List   OR0012   Columna   Chip C.   C16084B1H103RTA   List   OR0012   Inductor   C103047   Chip C.   C16084B1H103RTA   List   OR0013   Inductor   C103047   Chip C.   C16084B1H103RTA   C667   C103047   Chip C.   C16084B1H103RTA   C667   C103047   Chip C.   C16084B1H103RTA   C669   XU0173   Transistor   C103047   Chip C.   C16084B1H103RTA   C669   XU0173   Transistor   C103047   Chip C.   C16084B1H103RTA   C669   XU0173   Transistor   C103045   Chip C.   C1608CH1H470JTA   R601   RK00078   Chip R.   C103045   Chip C.   C1608CH1H470JTA   R604   RK00078   Chip R.   C103045   Chip C.   C1608CH1H60CJTA   R604   RK00078   Chip R.   C103045   Chip	2864	CU3047	Chip C.	C1608JB1H103KT-A		019	OB0024	1	OBSSS 1209-1	_
CUUDOAT         Chip C.         C16084BHH103KT-A         L613         OB0033         Inductor           CUUJOAT         Chip C.         C16084BHH103KT-A         L614         OB0033         Inductor           CUUJOAT         Chip C.         C16084BHH103KT-A         L615         OB0033         Inductor           CUUJOAT         Chip C.         C16084BHH103KT-A         L615         OB0037         Inductor           CUUJOAT         Chip C.         C16084BHH103KT-A         L617         OC0124         Chip L.           CUUJOAT         Chip C.         C16084BHH103KT-A         L617         OC0124         Chip L.           CUUJOAT         Chip C.         C1608BHH103KT-A         L617         OC0124         Chip L.           CUUJOAT         Chip C.         C1608BHH103KT-A         C669         XU0073         Transistor           CUUJOAT         Chip C.         C1608CHH4RQUT-A         C669         XU0073         Transistor           CUUJOAT         Chip C.         C1608CHH4RQUT-A         R601         RK1028         Chip R.           CUUJOAT         Chip C.         C1608CHH4RQUT-A         R603         RK1028         Chip R.           CUUJOAT         CHIP C.         C1608CHH4RQUT-A         R603 <td< td=""><td>C865</td><td>CU3035</td><td>Chip C.</td><td>C1608JB1H102KT-A</td><td></td><td>191</td><td>GR0012</td><td>5 3</td><td>URIOUZ4</td><td>_</td></td<>	C865	CU3035	Chip C.	C1608JB1H102KT-A		191	GR0012	5 3	URIOUZ4	_
CU3047         Chip C.         C16084BiH103KT-A         Lisis         OB0033         Inductor           CU3047         Chip C.         C16084BiH103KT-A         Lisis         OB0033         Inductor           CU3047         Chip C.         C16084BiH103KT-A         Lisis         OB0037         Inductor           CU3047         Chip C.         C16084BiH103KT-A         Lisis         OC0067         Chip C.           CU3047         Chip C.         C16084BiH103KT-A         Lisis         CC0124         Chip C.           CU3047         Chip C.         C1608ABIH103KT-A         C660         XU0173         Transistor           CU3047         Chip C.         C1608ABIH103KT-A         C660         XU0173         Transistor           CU3047         Chip C.         C1608CHHHIROZT-A         C660         XU0173         Transistor           CU3048         Chip C.         C1608CHHHIROZT-A         R604         RK0078         Chip R.           CU3049         Chip C.         C1608CHHIROZT-A         R604         RK0078         Chip R.           CU3040         Chip C.         C1608CHHIROZT-A         R604         RK0028         Chip R.           CU3040         Chip C.         C1608CHIROZT-A         R604         RK	9990	CU3047	Chip C.	C1608JB1H103KT-A		1612	OR0037	lad ide	Torigal Core CH0012	
CU3047   Chip C.   C1608181H103KT-A   L615   G06007   Inductor   C130247   Chip C.   C1608181H103KT-A   L615   C06007   C160818 H103KT-A   C160814 H103KT-A   C160818 H103KT-A   C160814 H103KT-A   C	C667	CU3047	Chip C.	C1608JB1H103KT-A		1613	OBOUSE	inductor	2572330-00	
CU3047   Chip C.   C1668BHH103KT-A   L615   GE0007   Inductor   C13044   Chip C.   C1668BHH103KT-A   L617   CC01024   Chip L.	C668	CU3047	Chip C.	C1608JB1H103KT-A		1614	OB0037	Industra	ZDEPERS SO	
0.023047         Chip C.         C1660&BIH103RT-A         L617         OC0097         Chip C.           0.03047         Chip C.         C160&BHH103RT-A         L617         OC0024         Chip L.           0.03047         Chip C.         C160&BHH103RT-A         OS07         XU0173         Transistor           0.03047         Chip C.         C160&BHH103RT-A         OS09         XU0173         Transistor           0.03047         Chip C.         C160&CHH470JT-A         OS09         XU0173         Transistor           0.03021         Chip C.         C160&CHH470JT-A         R603         XU0078         Transistor           0.03022         Chip C.         C160&CHH40JT-A         R603         RK1028         Chip R.           0.03023         Chip C.         C160&CHH40JT-A         R603         RK1028         Chip R.           0.03024         Chip C.         C160&CHH40JT-A         R603         RK1028         Chip R.           0.03025         Chip C.         C160&CHH40JT-A         R603         RK1028         Chip R.           0.03026         Chip C.         C160&CHH40JT-A         R603         RK1028         Chip R.           0.03027         Chip C.         C160&CHH40JT-A         R603         RK1028<	6990	CU3047	Chip C.	C1608JB1H103KT-A		1615	QB0037	Inductor	ZBEDE2D 00	
CU3023   Chip C   C1668CHIH101JT-A   C013047   C013047   C013047   C013047   C013047   C013047   C013047   C013047   C013047   C019C   C1668BHH103RT-A   C0608   KU0173   Transistor   CU3035   Chip C   C1668BHH103RT-A   C0608   KU0173   Transistor   CU3035   Chip C   C1668CHIH4R0JT-A   R602   RK0220   Chip R   R602   Chip R   R602   RK0220   Chip R   R602   Chip R   R602   RK0220   Chip R   R602   Chip R	C670	CU3047	Chip C.	C1608JB1H103KT-A		1616	OC0067	- chic	M 320600TD401	
0.03047         Chip C.         C1668.BHH103KT.A         OB07         XU0173         Transistor           0.03047         Chip C.         C1668.BHH103KT.A         O609         XU0173         Transistor           0.03021         Chip C.         C1668.BHH102KT.A         O609         XU0173         Transistor           0.03021         Chip C.         C1666.CHH160ZT.A         R601         RK0020         Chip R.           0.03022         Chip C.         C1666.CHH160ZT.A         R603         RK1020         Chip R.           0.03022         Chip C.         C1666.CHH160ZT.A         R603         RK1020         Chip R.           0.03022         Chip C.         C1666.CHH160ZT.A         R604         RK1028         Chip R.           0.03022         Chip C.         C1666.CHH160ZT.A         R604         RK1028         Chip R.           0.04004         Round Pin         R9X10         R606         RK1028         Chip R.           0.05004         Round Pin         R9X10         R617         RK4023         Chip R.           0.05004         Round Pin         R9X10         R617         RK4025         Chip R.           0.05004         Round Pin         R9X10         R618         RK4035         Chip R	C671	CU3023	Chip C.	C1608CH1H101JT-A		L617	QC0124	i -	ALOCADE DICTOR	
CU3044   Chip C   C1608JBH103KT-4   O607   XU0173   Transistor CU3049   Chip C   C2012JBE473KT   O608   XU0173   Transistor CU3019   Chip C   C1608CHH1470JT-A   R601   RK1028   Chip R   Transistor CU3022   Chip C   C1608CHH1470JT-A   R604   RK1028   Chip R   RK1	C672	CU3047	Chip C.	C1608JB1H103KT-A				; }	MC3223221-H13J-3	
CU3025   Chip C   C2017_LB1E473KT   O609   XU0773   Transistor	C673	CU3047	Chip C.	C1608JB1H103KT-A		Q607	XU0173	Transietor	OTD1145V T146	
1 CU3025 Chip C. C1668CH1H02KTA 0009 X00078 Transistor CU3019 Chip C. C1668CH1H68QTA H660T RK2020 Chip R. C1668CH1H68QTA H660T RK2020 Chip R. C1668CH1H010TA H660T RK2020 Chip R. C1668CH1H010TA H660T RK2020 Chip R. C1668CH1H050CTA H660T RK2020 Chip R. C1668CH1H050CTA H660T RK2020 Chip R. C1668CH1H050CTA H660T RK2020 Chip R. H600T CC5085 Cammic. C. C1668CH1H050CTA H660T RK2020 Chip R. H600T RK2020 Chip R.	C676	CU8040	Chip C.	C2012JB1E473KT		9090	X110173	Transition	01 01 14EN-1 146	
CU3021   Chip C.   C1606CH1H68QUTA   H601   RK3020   Chip R.   CU3023   Chip C.   C1606CH1H470JTA   H601   RK3020   Chip R.   CU3022   Chip C.   C1606CH1H470JTA   H604   RK0020   Chip R.   CU3022   Chip C.   C1606CH1H620JTA   H604   RK0020   Chip R.   H604   RK0020   Chip R.   H604   RK0020   Chip R.   H604   RK0020   Chip R.   H605   RK0128   Chip R.   H605   RK0128   Chip R.   H605   RK0128   Chip R.   H605   RK0128   Chip R.   H605   RK0020   Chip R.	C677	CU3035	Chip C.	C1608JB1H102KT-A		6090	XLIOOZB	Transistor	DID114EK-1146	
CLU3023	C678	CU3021	Chip C.	C1608CH1H680JT-A				Distribution	ONDZ I L-1 X	_
CU3022   Chip C.   C1608CHH101JT-A   R602   RK0020   Chip A.	C679	CU3019	Chip C.	C1608CH1H470JT-A		B601	RK3030	0		
CU30205         Chip C.         C1608CH1H0S0CT-A         FR03         RK1028         Chip R.           CC5085         Caramic C.         C1608CH1H0S0CT-A         FR04         RK1028         Chip R.           DeC25085         Caramic C.         C1608CH1H0S0CT-A         FR04         RK1028         Chip R.           B UED071         Connector         P122A0SM         FR06         RK1028         Chip R.           B UED047         Round Pin         R9X10         RK028         Chip R.           B UED047         Round Pin         R9X10         RK4053         Chip R.           B UED047         Round Pin         R9X10         RK4055         Chip R.           B UED047         Round Pin         R9X10         RK1018         Chip R.           B UED047         Round Pin         R9X10         RK1018         Chip R.           B UED04         Round Pin         R9X10         RK1018         Chip R.           B UED04         ROund P	C680	CU3023	Chip C.	C1608CH1H101JT-A		9502	BK0030	j (	EHJ3G5YJ221V	
CU3022         Chip C.         C1608CH1H8EQLT-A         R604         RR0026         Chip R.           CC5085         Cereamic C.         RC008SL1811-L48AU         R604         RR0128         Chip R.           B         UE0071         Connector         P122A0SM         R604         RR0128         Chip R.           B         UE0047         Round Pin         R9X10         R609         RK0223         Chip R.           B         UE0047         Round Pin         R9X10         R612         RK4055         Chip R.           B         UE0047         Round Pin         R9X10         R612         RK4055         Chip R.           B         UE0047         Round Pin         R9X10         R612         RK4055         Chip R.           C         UE0047         Round Pin         R9X10         R612         RK4055         Chip R.           F         UE0047         Round Pin         R9X10         R614         RK4055         Chip R.           F         UE0047         Round Pin         R9X10         R618         RK4035         Chip R.           F         UE0047         Round Pin         R9X10         R618         RK2036         Chip R.           XD0273 <t< td=""><td>C661</td><td>CU3006</td><td>Chip C.</td><td>C1608CH1H050CT-A</td><td></td><td>REUS</td><td>BK1028</td><td></td><td>ERJOGERATON</td><td></td></t<>	C661	CU3006	Chip C.	C1608CH1H050CT-A		REUS	BK1028		ERJOGERATON	
CC5085   Correstince   CC5085   Correstince   CC5085   Correstince   CC5085   Correstince   Corres	CE32	CU3022	Chip C.	C1608CH1H820JT-A		Beog.	DK0030	, d	ENJAGET 1471V	
No.   No.	C685	CC5085	Ceramic C.	BCC085/ 1811-146411		1000	טאאר	Silp s.	ERJ6GEYJ151V	
88 UEBOX1         Connector         PIZZADSM         FIGURATION         Chip R.           99 UEBOX2         Connector         928-PH-K-S         F6G8         RR4023         Chip R.           10 UEBOX4         Round Pin         R9X10         F611         RK4053         Chip R.           20 UEBOX4         Round Pin         R9X10         F611         RK4055         Chip R.           31 UEBOX4         Round Pin         R9X10         F611         RK4055         Chip R.           41 UEBOX4         Round Pin         R9X10         F612         RK4055         Chip R.           51 UEBOX4         Round Pin         R9X10         F612         RK4055         Chip R.           61 UEBOX4         Round Pin         R9X10         F614         RK1018         Chip R.           71 UEBOX4         Round Pin         R9X10         F614         RK4030         Chip R.           81 UEBOX4         Round Pin         R9X10         F618         RK4030         Chip R.           82 UEBOX4         Round Pin         R9X10         F618         RK4030         Chip R.           83 UEBOX4         ROund Pin         R9X10         F618         RK4030         Chip R.           84 UEBOX4         RA						Bene	BK0128	. d	ERJ6GEYJ5R6V	
Page	CN608	UE0071	Connector	PI22A05M	_	PR07	RK4023	. d	EMJ6GEYJ5R6V	
UECO47   Round Pin   R9X10   R651   RK4025   Chip R.     UECO47   Round Pin   R9X10   R651   RK4055   Chip R.     UECO47   Round Pin   R9X10   R651   RK2036   Chip R.     UECO47   Round Pin   R9X10   R652   RK4018   Chip R.     UECO47   R0X10   R0X10   R0X10   R0X10   R0X10     UECO47   R0X10   R0X10   R0X10   Chip R.     UECO47   R0X10   Chip R.     UECO47   R0X10   Chip R.     UECO48   R0X10   Chip R.     UECO49   R0X10   Chip R.     UECO40   R0X10   Chip R.     UECO40   R0X10   Chip R.     UECO40   Chip R.     UECO40	CN609	UE0226	Connector	828-PH-K-S		200	Diverso	. i	EHJ127J560H	
Recody 1         Recody 1         Recody 1         Recody 1         Recody 1         Chip R. Recody 1         Recody 1 <td>CP601</td> <td>UE0047</td> <td>Round Pin</td> <td>Box 10</td> <td></td> <td>2002</td> <td>HKOOZB</td> <td>Giro.</td> <td>ERJ6GEYJ471V</td> <td></td>	CP601	UE0047	Round Pin	Box 10		2002	HKOOZB	Giro.	ERJ6GEYJ471V	
Better         Reconstruction         H810         RR40551         Chip R.           4 LEC047         Round Pin         R9X10         R612         RR4055         Chip R.           6 LEC047         Round Pin         R9X10         R612         RR4055         Chip R.           7 LEC047         Round Pin         R9X10         R614         RR4036         Chip R.           8 LEC047         Round Pin         R9X10         R616         RR5038         Chip R.           8 LEC047         Round Pin         R9X10         R616         RR5038         Chip R.           8 LEC047         Round Pin         R9X10         R616         RR5038         Chip R.           8 LEC047         Round Pin         R9X10         R616         RR5038         Chip R.           8 LEC047         Round Pin         R9X10         R618         RR5038         Chip R.           8 LEC047         Round Pin         R9X10         R618         RK4018         Chip R.           8 LEC047         R0X04         RC204         RK2038         Chip R.         R626R           8 LEC047         R0X04         RC204         RK2038         Chip R.         R626R           8 LE047         RC204         RK2038 </td <td>CP602</td> <td>UED047</td> <td></td> <td>0000</td> <td></td> <td>Soc.</td> <td>HX4030</td> <td>Chip H.</td> <td>ERJ12YJ221H</td> <td>_</td>	CP602	UED047		0000		Soc.	HX4030	Chip H.	ERJ12YJ221H	_
4         UEC047         RAMONS         Chip R.           6         UEC047         Round Pin         R9X10         R613         RK4055         Chip R.           6         UEC047         Round Pin         R9X10         R613         RK4055         Chip R.           6         UEC047         Round Pin         R9X10         R613         RK4055         Chip R.           8         UEC047         Round Pin         R9X10         R618         RK2038         Chip R.           8         UEC047         Round Pin         R9X10         R618         RK2038         Chip R.           XDD273         Diocle         RLS-93TE-11         R618         RK2038         Chip R.           XDD273         Diocle         RLS-93TE-11         R629         RK3038         Chip R.           XDD273         Diocle         RLS-93TE-11         R629         RK3038         Chip R.           XDD273         Diocle         RLS-93TE-11         R629         RK4018         Chip R.           XDD273         Diocle         RLS-93TE-11         R629         RK4018         Chip R.           XDD274         Diocle         RLS-93TE-11         R629         RK4018         Chip R.	CP603	UE0047		01000	_	0 0	HX4051	Girb R.	ERJ14YJ101V	
6 UE0047         ROUND FINE         ROYATO         R612         R44055         Chip R.           6 UE0047         Round Pin         R9X10         R613         RK4036         Chip R.           7 UE0047         Round Pin         R9X10         R614         RK4030         Chip R.           7 UE0047         Round Pin         R9X10         R615         RK4030         Chip R.           8 UE0047         Round Pin         R9X10         R615         RK4033         Chip R.           XD0253         Diode         RLS-93TE-11         R619         RK4018         Chip R.           XD0273         Diode         RLS-93TE-11         R629         RK4018         Chip R.           XD0273         Diode         RLS-93TE-11         R629         RK4018         Chip R.           XD0266         Diode         RLS-93TE-11         R629         RK0056         Chip R.           XD0273         Diode         RLS-93TE-11         R629         RK0056         Chip R.           XD0274         Diode         RLS-93TE-11         R629         RK0056         Chip R.           XD0274         Diode         RLS-93TE-11         R629         RK0056         Chip R.           XD0274         Diode	CP604	LIEONA?			_	161	RK4055	Chip R.	ERJ-14YJ470H	
6 UE0047         Round Print         R9X10         R611         RK44330         Chip R.           7 UE0047         Round Print         R9X10         R614         RK1018         Chip R.           8 UE0047         Round Print         R9X10         R614         RK1018         Chip R.           8 UE0047         Round Print         R9X10         R616         RK2038         Chip R.           XD0223         Diode         RLS-937E-11         R619         RK2038         Chip R.           XD023         Diode         RLS-937E-11         R629         RK3038         Chip R.           XD024         Diode         RLS-937E-11         R629         RK3038         Chip R.           XD025         Diode         RLS-937E-11         R629         RK3038         Chip R.           XD026         Diode         RLS-937E-11         R629         RK3038         Chip R.           XD025         Diode         RLS-937E-11         R629         RK4018         Chip R.           XD025         Diode         RLS-937E-17         R629         RK4018         Chip R.           XD027         Diode         RLS-937E-17         R631         RK3042         Chip R.           XD027         Diode<	CPROS	UE0047		DIVE		H612	RK4055		ERJ-14YJ470H	_
No.   No.	Pana	1150047	_	01.484		R613	RK4030		ERJ12YJ221H	
Note	CD807	UE0047		ULX STORY		H614	RK1018		ERJ8GEYJ101V	
XDD263         Diode         MAZ7-B         R617         R617         R617         R617B RC0203         Chip R. Resistor           XDD273         Diode         RLS-93TE-11         R619         RK4018         Chip R. Resistor           XDD273         Diode         RLS-93TE-11         R619         RK4018         Chip R. Resistor           XDD265         Diode         RLS-93TE-11         R621         RK4018         Chip R. Resistor           XDD273         Diode         RLS-93TE-11         R624         RK0056         Chip R. Resistor           XDD254         Diode         RLS-93TE-11         R625         RK0056         Chip R. Resistor           XDD254         Diode         RLS-93TE-11         R625         RK0056         Chip R. Resistor           XDD254         Diode         RLS-93TE-11         R628         RK4018         Chip R. Resistor           XDD254         Diode         RLS-93TE-11         R628         RK4018         Chip R. Resistor           XDD254         Diode         RLS-93TE-11         R631         RK4018         Chip R. Resistor           XDD254         Diode         RLS-93TE-11         R631         RK4030         Chip R. Resistor           XDD254         Diode         LUSe S	9090	1,50047		0178		R615	RK3038		ERJ3GSYJ102V	
XD0263         Diocle         MA27-B         R617         REC020         Resistor           XD0273         Diocle         RLS-33TE-11         R619         RR0020         Chip R.           XD0273         Diocle         RLS-33TE-11         R620         RR0036         Chip R.           XD0273         Diocle         RLS-33TE-11         R620         RR0036         Chip R.           XD0231         Diocle         RLS-33TE-11         R620         RR0036         Chip R.           XD0273         Diocle         RLS-33TE-11         R621         RR0036         Chip R.           XD0273         Diocle         RLS-93TE-11         R628         RR0056         Chip R.           XD0274         Diocle         RLS-93TE-11         R628         RR0017         Resitor           XD0273         Diocle         RLS-93TE-17         R629         RR018         Chip R.           XD0273         Diocle         RLS-93TE-11         R631         RR0042         Chip R.           XD0273         Diocle         RLS-93TE-11         R631         RK0005         Chip R.           XD0273         Diocle         LUS-825         RC0007         RR0006         Chip R.           RE0011         Fu	3			HAY10		R616	RK3038		ERJ3GSYJ102V	_
AUGUSTA         Diocole         MAZ7-B         Re18         RECOZO         Resistor           XD0273         Diocole         RLS-39TE-11         R620         RK4018         Chip R.           XD0273         Diocole         RLS-39TE-11         R620         RK4018         Chip R.           XD0273         Diocole         RLS-39TE-11         R621         RK3038         Chip R.           XD0273         Diocole         Diocole         RLS-39TE-11         R625         RK0056         Chip R.           XD0273         Diocole         RLS-39TE-11         R629         RR4018         Chip R.           XD0274         Diocole         1SS355 TE-17         R629         RR4016         Chip R.           XD0274         Diocole         1SS355 TE-17         R629         RR4018         Chip R.           XD0273         Diocole         RLS-33TE-17         R629         RR4016         Chip R.           XD0274         Diocole         RLS-33TE-17         R631         RK3042         Chip R.           XD0273         Diocole         Dava Coll P.         R632         RK0006         Chip R.           EF0011         Fuse         Fuse SA 125V         R635         RK4030         Chip R. <td>1000</td> <td>20000</td> <td>i</td> <td></td> <td>_</td> <td>R617</td> <td>RE0020</td> <td></td> <td>ERG3SJ180P</td> <td></td>	1000	20000	i		_	R617	RE0020		ERG3SJ180P	
AUGUSTA         Discole         RLS-837E-11         R619         RR4018         Chip R.           XD0273         Diocle         RLS-837E-11         R620         RK3038         Chip R.           XD0273         Diocle         RLS-937E-11         R621         RK3038         Chip R.           XD0231         Diocle         Diocle         DAP202U T106         RR056         Chip R.           XD0254         Diocle         RLS-937E-11         R629         RK0056         Chip R.           XD0254         Diocle         RS255 TE-17         R629         RC017         Resistor           XD0254         Diocle         RLS-937E-11         R631         RK3042         Chip R.           XD0273         Diocle         RLS-937E-11         R631         RK3042         Chip R.           XD0254         Diocle         Diocle         DAN202U T106         R634         RK0005         Chip R.           XD021         FL001         Fuse 5A 125V         R635         RK4030         Chip R.           RF001         Fuse 5A 125V         R637         RK3026         Chip R.	200	X DOZGS		MA27-B	_	R618	RE0020		ERG3SJ180P	
AU02/3         Dioces         RLS-83TE-11         R620         RR3038         Chip R.           XD026         Dioce         RLS-93TE-11         R621         RR3038         Chip R.           XD0273         Dioce         Dioce         Dioce         RLS-93TE-11         R625         RK0056         Chip R.           XD0273         Dioce         RLS-93TE-11         R625         RK0056         Chip R.         Chip R.           XD0254         Dioce         1SS355 TE-17         R629         RK4018         Chip R.           XD0273         Dioce         RLS-93TE-11         R631         RK3042         Chip R.           XD0274         Dioce         RLS-93TE-11         R631         RK3042         Chip R.           XD0273         Dioce         RLS-93TE-11         R631         RK3042         Chip R.           XD0273         Dioce         Davazozu T106         R634         RK4030         Chip R.           XD0273         Dioce         Fuse 6A 126V         R631         RK4030         Chip R.           EF0011         Fuse         R637         RK3026         Chip R.	1 0	XD0273		RLS-93TE-11		R619	HK4018		ERJ-12YJ220U	
NOCA   PLS-39TE-11   H621   RK3038   Chip R.	0000	XD0Z/3		RLS-93TE-11	_		RK3038		ERJ3GSYJ102V	
XUZBS         Diode         SGELR         R624         RK0956         Chip R.           XD023         Diode         DAP20LT106         R625         RK0056         Chip R.           XD025         Diode         ILS-93TE-11         R629         RK4018         Chip R.           XD0254         Diode         ISS355 TE-17         R639         RE0017         R839           XD0254         Diode         ILS-93TE-11         R631         RK3042         Chip R.           XD0273         Diode         DAV202U T106         R631         RK3042         Chip R.           XD0230         Diode         DAV202U T106         R632         RK0005         Chip R.           EF0011         Fuse 6A 125V         R634         RK4030         Chip R.	900	ADOZZ		ALS-93TE-11	_		RK3038		ERJ3GSYJ102V	
NODE   DIOCATE   DIOCATE   DIOCATE   DIOCATE   DIOCATE   LESSOTE-11   RE28   RR4018   Chip R.	2000	ADUZES		SG5LR	_	R624	RK0056	-	ERJ6GEYJ223V	
NU22/3   Diocde   RLS-93TE-11   R626   RK4018   Chip R.	2000			DAP202U T106	_	R625	RK0056		ERJ6GEYJ223V	
X00254         Doode         15S355 TE-17         R629         RE0017         Resistor           X00254         Diode         15S355 TE-17         R630         RR3042         Chip R.           X00273         Diode         RLS-93TE-11         R631         RR3042         Chip R.           X00230         Diode         DANZ02U T106         R633         RK0006         Chip R.           FE0011         Fuse SA 125V         R633         RK3026         Chip R.           R637         RK3029         Chip R.         R637         RK3026         Chip R.	5000			ALS-93TE-11			RK4018		ERJ-12Y,22011	
X00254         Diode         15S355 TE-17         R630         RR3042         Chip R.           X00273         Diode         RLS-93TE-11         R631         RR3042         Chip R.           X00230         Diode         DAN202U T106         R634         RK0005         Chip R.           EF0011         Fuse 5A 125V         R634         RK4030         Chip R.           R637         RK3032         Chip R.           R637         RK3032         Chip R.	0190			1SS355 TE-17	-	_	RE0017		ERX3S.14R7	
X00273         Diode         RLS-93TE-11         R631         RK3042         Chip R.           X00230         Diode         DAN202U T106         RR32         RK0005         Chip R.           EF0011         Fuse         Fuse 64 125V         RK3026         Chip R.           RK3022         Chip R.         Chip R.	_			ISS355 TE-17		R630	RK3042		FR.13GSV 1999V	
X00230         Diode         DAN202U T106         R632         RK0006         Chip R.           EF0011         Fuse         Fuse SA 125V         R635         RK3026         Chip R.           R637         RK3026         Chip R.         R635         RK3026         Chip R.				3LS-93TE-11			RK3042		FR.13GSV 1222V	
EF0011 Fuse 5A 125V RR3026 Chip R. RR302 Chip R. RR302 Chip R. RR3026 Chip R. RR305 RR3054 Chip R.	2613	XD0230	-	DAN202U T106	_		RK0005		FR.IBGEY.1220V	
EH0011 Fuse 5A 125V R635 RK3026 Chip R. R637 RK3054 Chip R.	-				_	7634	RK4030		ERJ12YJ221H	_
RK3054 Chip R.				use 5A 125V	_	H635	RK3026	_	=R 13GSV 1101V	
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PA Unit			
Set.	Parts No.	Description	Parts Name
R639	RK6024	Chip R.	ERJ1WYJ680H
R640	RK6010	Chip R.	ERJ1WYJ4R7H
R641	RK3070	Chip R.	ERJ3GSYJ474V
H642	RK3049	Chip R.	ERJ3GSYJ822V
R643	RK3054	Chip R.	ERJ3GSYJ223V
H644	RK3051	Chip R.	ERJ3GSYJ123V
R645	RK3053	Chip R.	ERJ3GSYJ183V
R646	RK3056	Chip R.	ERJ3GSYJ333V
R647	RK3049	Chip R.	ERJ3GSYJ822V
R648	RK3052	Chip R.	ERJ3GSYJ153V
H649	RK3044	Chip R.	ERJ3GSYJ332V
R650	RK3038	Chip R.	ERJ3GSYJ102V
R651	RK3015	Chip R.	ERJ3GSYJ120V
R652	RK3033	Chip R.	ERJ3GSYJ391V
R653	RK3033	Chip R.	ERJ3GSYJ391V
R654	RK3030	Chip R.	ERJ3GSYJ221V
R655	RK0005	Chip R.	ERJ6GEYJ220V
 R659	RK3001	Chip R.	ERJ3GSY0R00V
 H660	RK3026	Chip R.	ERJ3GSYJ101V
 H661	RK3026	Chip R.	ERJ3GSYJ101V
R663	RK6026	Chip R.	ERJ1WYJ101H
H664	RK6026	Chip R.	ERJ1WYJ101H
RL602	UL0012	Relay	AJK3241
RL603	00016	Relay	KH-12
TH601	xS003Z	Thermistor	ERTG1AHJ103
VH601	RH0164	Trim Pot	FVNDRAAO20C
VR602	PH0165	Trim.Pot	EVND8A403BE3
VR603	RH0165	Trim.Pot	EVND8AA03BE3
W601	UX1081	Wire	Wire PA-MAIN 1
W602	UX1081	Wire	Wire OA MAIN
W605	UX1082	Wire	Wite P.AMAIN
W606	UX 1083	Wire	William DA states
W607	UX1084	Wire a	Wire PA-MAIN 2
W610	RD0108	Jumper	ohm limber
		i	100

Serial No. piate (DX70TH)
Serial No. plate (NEW)
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HIDDEN SHEET DX70
MIC
Label (FCC PART15)
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Label (FCC MARKLABEL)
A Package (DX70)
Portect. Bag (65 x250 x 400)
Portect. Bag (65 x250 x 400)
Porth. Carton (x) DX70
Schematic diagram DX70
Schematic diagram DX70
Schematic diagram DX70
Schematic diagram DX70
PowER CORD 100W
POWER CORD 100W
POWER CORD 30A
CE-MARKLABEL
Screw (HEX M4+10 Fe/BZn)

DS03989A
DS0388
DS0388
DS0388
PS0308
FP0100
EMS42
PR0237
PR0287
PR0399
HU0080
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		C1608JB1H103KT-A	105082311008100 (8P)	53263-0890	1SS355 TE-17	ERJ3GSYJ393V	ERJ3GSYJ181V	ERJ3GSYJ183V	ERJ3GSYJ182V	RK972210(10KBC)	RK972210(10KB'2)		VS-66-Y0811-2.0W	Harness DR130				
 Έ	L	C160	1050	53263	1553	ERJ3	ERJ	ERAG	ERJ3	RK97	RK97;	ig S	VS-66	Harne	 	 		
VOL Unit		C) diffo	Connector	Connector	Diode	Chip A.	Chip R.	Chip R.	Chip R.	Variable R	Vanable R	SPEAKER Unit	Speaker	Wire				
		CU304/	UE0305	UE0223	XD0254	RK3057	RK3029	RK3053	RK3041	RV0027	RV0022		ES0013	UX1047				_
	-	3	CN1005	CN1005	10010	1001	R1002	R1003	R1004	VR1001	VR1002		SP1	W3				

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PLL Unit

	Description	Parts Name	Ver	Hef.	No tred	Panaminting			[8
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<u>-</u>	L Cart	11	Ī	C757	CU3035	Chip C.	C1608JB1H102KT-A		282
		PLL Circuit Board B		C758	CU3035	Chip C.	C1608J31H102KT-A		C821
		SMCUZ6X50-BDX6-P1.0		5 C C C C C C C C C C C C C C C C C C C	CU3035	Chip C.	C1608JB1H102KT-A		282
		490		C761	CU3047	Chip C.	C1608JB1H103KT-A		88
į		49U		C762	CU3035	Chip C.	C1608JB1H102KT-A		283
3 C		C1608CH1H120JT-A		C/63	CU3035	Chip Contribution	C1608JB1H102KT-A		C82
Chip C.		C1608JB1H103KT-A		C765	CU3014		C1608CH1H1R01T-A		8 8
Chip C.		C1608JB1H103KT-A		C766	CU3035	Chip C	C1608JB1H102KT-A		8
Chip C.		C1608CH1H150JT-A		C767	CU3035	Chip C.	C1608JB1H102KT-A		88
Ω Ω		C1608JB1H102KT-A		C768	CE0313	Electrolytic C.	ECEV1CA220P		C832
O di		C1608JB1H102KT-A		C769	CU3047	Chip C.	C1608JB1H103KT-A		8
5 G		C1608JB1H102KT-A		C770	CE0313	Electrolytic C.	ECEV1CA220P		88
יי ני פור לי		C1608JB1H102KT-A		C771	CU3047	Chip C.	C1608JB1H103KT-A		083
Chip C.		C1608CH1H101JT-A		C772	CU3014	Chip C.	C1608CH1H180JT-A		88
S circ	8	C1608.IR1H102KT-4		27.2	CU3004	Chip C.	C1608CH1H030CT-A		083
Chip Tantal	antal	TMCMB1C108MTR		C775	CH3101	) (	C1608 IB10273-A		3
Chip C.		C1608JB1H102KT-A		C776	CU3047	S C C	C1608.IB1H103KT-A		5 8
Chip C	.;	C1608JB1H102KT-A		CTT	CU3101	Chip C.	C1608JB1C473KT-A		8
Chip Tantal	antal	TMCMA1C225MTR				-			8
Chip Tantal	antai	TMCMA1C225MTR		C780	CU3046	Chip C.	C1608JB1H822KT-A		8
5 C		C1608JB1H102KT-A		C781	CU3046	Chip C.	C1608JB1H822KT-A		8
	Cinp.C.	CZU1ZJB1C104KT-A		C782	CU3041	Chip C.	C1608JB1H332KT-A		8
Chip C.				2 2	C13047	Chiro	CASOS IDALLISOSCE A		8 8
Chip C.	c;	C1608CH1H180JT-A		C785	CU3051	연 연 인	C1608.181.F223KT-A		3 8
Chip C.	.:	C1608JB1H102KT-A		C786	CU3101	Chip C.	C1608JB1C473KT-A		8
Chip Tantal	antal	TMCMB1C106MTR		C787	CU8042	Chip C.	C2012JB1C104KT-A		88
בי ק ני	κ,	C1608JB1H102KT-A		C788	CU3047	Chip C.	C1608JB1H103KT-A		88
) (2) (3) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4	· ·	C1608 IB1H102KT-A		C/89	CU3047	Chip C.	C1608JB1H103KT-A		88
Chip	:	C1608JB1C473KT-A		2291	CUSOTS	رام الم	C1608CH1H220JT-A		8 8
Chip C.	ı,	C1608JB1H681KT-A		C792	CU3027	O Girlo	C1608CH1H221JT-A		8 8
Chip C.	ci	C1608CH1H470JT-A	_	C793	CU3035	Chip C.	C1608JB1H102KT-A		3 8
Chip C.		C1608JB1H821KT-A		C794	CS0372	Chip Tantal	TMCM61C106MTR		88
Spiro Contraction		C1608CH1H121JT-A		C795	CU3051	Chip C.	C1608JB1E223KT-A		88
		C1608JB1H561KT-A		C796	CS0372	Chip Tantal	TMCMB1C106MTR		88
Chio Tantal	antai	TMCMAID155MTB		767	CU3047	o di di	C1608JB1H103KT-A		88
Chlo C.		C1608JB1C4Z3XT-A		8 60	CU3047		C2012JB1C104KT-A		88 8
Chip C	·	C1608JB1H103KT-A		3	tonon	j	C1606JB1H103K1-A		8 8
Chip C.	.:	C1608JB1E223KT-A		C800	CS0220	Chip Tantal	TMCMA1C225MTR		8 8
Chip C.		C1608JB1H102KT-A		C801	CS0049	Chip Tantal	TMCSA1C105MTR	_	88
Chip C		C1608JB1H103KT-A		C802	CU3035	Chip C.	C1608JB1H102KT-A		88
2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		C1608JB1H103KT-A	_	C803	CU3047	Chip C.	C1608JB1H103KT-A		88
Chio Tanta	, lot	TMCSAN/2244TB		80.0	CU3015	Chip C.	C1608CH1H22QJT-A		C82
Chic	ē .:	C1608.IB1H103KT-A		6 6 6 7	CU3025	o c	C1608CH1H151JT-A		64
Chip C.		C1608JB1H103KT-A		C807	CU3016		C1608CH1H151JT-A		686
Chip C.		C1608CH1H120JT-A		C808	CU3047	Chip	C1608JB1H103KT-A		6 6
Chip C.		C1608CH1H010CT-A		C309	CU3021	Chip C.	C1608CH1H680JT-A		82
200	···	C1608CH1H010CT-A		C810	CU3011	Chip C.	C1608CH1H100CT-A		C87
, c	· ·	C1608CH1H120JT-A		C811	CU3016	Chip C.	C1608CH1H270JT-A		C87
Chip C.	i ci	C1608JB1H102KT-A		C813	CU3026	0 c	C1608CH1H560JT-A		C87
Chip C.	ci.	C1608JB1H102KT-A		C814	CU3047	Chip C.	C1608JB1H103KT-A		3 8
Ω Ω Ω	ഗ്ര	C1608CH1H180JT-A		C816	CU3035	Chip C.	C1608J31H102KT-A		88
2 2 3 4 5 7	· ·	C1608CH1H0R5CT-A		C817		Electrolytic C.	ECEV1AA330P		_
		G1608.IB1H102KT-A		28.8	CU3035	Cho C	C1608JB1H102KT-A		Š
			]	2	1	2	CIBUSUSTH102K1-A		Š

Ref.	Parts No.	Description	Parts Name	, e	Ref.	Parts No	Description	O STATE OF	
90					S			ditaitaile	<u>.</u>
C820	CU3035	Chip C.	C1608JB1H102KT-A		D701	XD0254	Diode	1SS355 TE-17	
C821	CU3101	Chip C.	C1608JB1C473KT-A		D702	XD0254	Diode	1SS355 TE-17	
C823	CU3035	Chip C.	C1608JB1H102KT-A		0703	XD0254	Diode	1SS355 TE-17	
C824	CU3051	Chip C.	C1608JB1E223KT-A		D70 <b>4</b>	XD0289	Diode	S3275(TE121)	
0825	CU3035	Chip C.	C1608JB1H102KT-A		D705	XD0273	Diode	RLS-93TE-11	
2 68	CU3020	chio Chio	C1608CH1H560JT-A		0706	XD0233	Diode	1SV217TPH4	
0828	CU3024	j c	G1808CH1H121.T-A		70/0	XD0234	Diode	1SS355 TE-17	
C829	CU3013	Chico Co	C1608CH1H150/IT-A		9020	XD0230	e doi:	DARAGOLI TIDE	
0830	CU3021	Chip C.	C1608CH1H580JT-A		0710	XD0254	Diode	1SS366 TE 17	
C831	CU3043	Chip C.	C1608JB1H472KT-A	. "	0711	XD0230	Diode	133333 1E-17	
C832	CU3043	Chip C.	C1608JB1H472KT-A		0712	XD0230	Diode	DANZOZU T106	
C833	CU3049	Chip C.	C1608JB1E153KT-A		D713	XD0254	Diode	1SS355 TE-17	
C834	CU3101	Chip C.	C1608JB1C473KT-A		0714	XD0230	Diode	DAN202U T106	
C835	CU3101	Chip C.	C1608JB1C473KT-A		0715	XD0230	Diode	DAN202U T106	
C836	CU3101	Chip C.	C1608JB1C473KT-A		D716	xD0230	Diode	DAN202U T106	
C837	CU3015	Chip C.	C1608CH1H220JT-A		0717	XD0230	Diode	DAN202U T106	
88 88	CU3035	Chip C.	C1608JB1H102KT-A		D718	XD0230	Diode	DAN202U T106	
3 5	CU3035	יי ני פרולי ני	C1608JB1H102KT-A		0719	XD0230	Diode	DAN202U T106	
284	CU3013		C1808CH1H1501T-A		07.50	XD0230	Diode	DAN202U T108	
88	CU3035	Chip C	C1608.181H102KT-A		0722	XD0250	Diode	DANZUZU 1106	
C845	CU3006	Chip C.	C1608CH1H050CT-A		0723	XD0254	Diode	1SS355 TE-17	
C846	CU3020	Chip C.	C1608CH1H560JT-A		D724	XD0272	Diode	1SS356 TW11	
C847	CU3020	Chip C.	C1608CH1H560JT-A		0725	XD0257	Diode	RN711H	
C848	CU3027	Chip C.	C1608CH1H221JT-A		0726	XD0272	Diode	1SS356 TW11	
0849	CU3016	Chip C.	C1608CH1H270JT-A		D727	XD0254	Diode	15S355 TE-17	
8 8	CU3014	Chip C.	C1608CH1H180JT-A		0728	XD0254	Diode	1SS355 TE-17	
C852	CU3035		C1608 IB1H102KT-A		0730	XD0254 XD0364	Diode	15S355 TE-17	
C853	CU3035	Chip C.	C1608JB1H102KT-A		3	toyook	Pool	133330 15-17	
C854	CU3022	Chip C.	C1608CH1H820JT-A		D732	X00254	Diode	159345 75.17	
C855	CU3019	Chip C.	C1608CH1H470JT-A		0733	XD0254	Diode	1SS355 TE-17	
C856	CU3010	Chip C.	C1608CH1H090CT-A		D734	XD0254	Diode	1SS355 TE-17	
C857	CU3002	Chip C.	C1608CH1H010CT-A		0735	XD0254	Diode	1SS355 TE-17	
9283	CU3011	Chip C.	C1608CH1H100CT-A		i				
C860	CU3035	Chie	C1608 IB1 H102K I-A		FL/01	xc0013	Ceramic Filter	SK107M3-AE-20(A)	
C861	CU3002		C1608CH1H010CT-A		10.70	Y 8 0 3 7 0	Ç	000000000000000000000000000000000000000	
C862	CU3011	Chip C.	C1608CH1H100CT-A		IC702	XA0297	<u> </u>	MR87086APF-G-BND-TF	
C863	CU3011	Chip C.	C1608CH1H100CT-A		IC703	XA0298	ō	MB87014APF-G-BND-TF	
C864	CU3035	Chip C.	C1608JB1H102KT-A		10705	XA0294	ō	MC74HC390FL2	
683	CU3035	Chip C.	C1608JB1H102KT-A		10706	XA0379	೮	UPC1037GR-E1 (MS)	
C867	CU3047		C1608.181H103KT-A		2020	XAU29/	<u> </u>	MB87086APF-G-BND-TF	
C868	CU3047	Chip C.	C1608JB1H103KT-A		10709	XA0379	<u> </u>	UPC1037GR-E1/MS)	
6980	CU3013	Chip C.	C1608CH1H15QJT-A		IC710	XA0305	ō	TC74AC74F(EL)	
287	CU3006	Chira Contraction	C1608CH1H050CT-A		iC711	XA0304	Ω	BA4425F-E1	
287	CUSO47	) (i	C16080B1H103KI-A		10712	XA0379	ō	UPC1037GR-E1(MS)	
C873	CU3002	5 G	C1608CH1H010CT-A		10714	Y & 0294	<u>c</u>	0 13000001172011	
C874	CU3002	Chip C.	C1608CH1H010CT-A		IC715	XA0115	<u> </u>	MC/4HC39UFLZ	
C875	CU3016	Chip C.	C1608CH1H270JT-A		IC718	XA0246	ō	BU40948F-T1	
C876	CU3016	Chip C.	C1608CH1H27QJT-A						
787	CU3047	O die	C1608JB1H103KT-A		1701	UX1087	Wire	Wire PLL - MAIN	
0879	CU3047		C1608CH1HUSUC1-A		702	UX1087	Wire	Wire PLL - MAIN	
C880	CU3101	o o o	C1608JB1C473KT-A		3	021087	Wire	Wire PLL - MAIN	
C881	CS0220	Chip Tantal	TMCMA1C225MTR		L701	90000	Chip L.	NL3225271R0J	
					L702	QA0108	Coil	QA0108	
CN701	UE0259	Connector	CFP0526-0201		1,703	QC0086	Chip L.	NL322522T-820J	
,	050100	COLLIGATION	D40-7.11		۲/04	CCOUSE	Ship L.	NL322522T-680J	_

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Parts

Description

Parts No.

PLL Unit

ERJ3GSYJ472V
ERJ3GSYJ104V
ERJ3GSYJ104V
ERJ3GSYJ101V
ERJ3GSYJ22V
ERJ3GSYJ22V
ERJ3GSYJ101V
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HK3046 HK3082 HK3026 HK3026 HK3026 HK3026 HK3026 HK3026 HK3030 HK3033 HK3033 HK3033 HK3033

Parts No. Description  CO0088  CA0107  CA0108  CA0108	Parts Name  NL322627-101J  QA0107  QA0107  QA0107  QA0107  QA0107  QA0107  QA0107  NL322627-160J  OA0108  OA0108  OA0108  NL322627-160J  OA0118  OA0118  OA0118	Net.   Net.		Description Transistor Chip R. Chip	Parts Name  DTC144EUT106 28C3088KT146Q UN6112 UN6112 UN6112 UN6112 UN6112 UN6112 ERJ36SVJ21V ERJ36SVJ21V ERJ36SVJ47VV ERJ36SVJ47VV ERJ36SVJ22V ERJ36SVJ102V ERJ36SVJ22V ERJ36SVJ102V ERJ36SVJ102V ERJ36SVJ102V ERJ36SVJ102V ERJ36SVJ102V ERJ36SVJ102V ERJ36SVJ103V	Ver.	RAGE RT55 RT56 RT58 RT58 RT60 RT61 RT61 RT63 RT65 RT76 RT76 RT76 RT77 RT76 RT77 RT76 RT77 RT76 RT77 RT76 RT77	Parts No.  RK3042  RK3054  RK3054  RK3054  RK3054  RK3056  RK3056  RK3056  RK3066  RK3066  RK3066  RK3066  RK3066  RK3067  RK3066  RK3067  RK3066  RK3067  RK3067  RK3067  RK3067  RK3067  RK3068  RK3064  RK3064  RK3064  RK3064  RK3064  RK3064  RK3064  RK3068  RK3064  RK3068  RK3064  RK3068	<b>a</b>
	N. 32252T-101J QA0107 QA0107 QA0107 QA0107 QA0107 QA0107 QA0107 QA0107 N. 132252T-168J-3 N. 132252T-168J-3 N. 132252T-168J-3 N. 132252T-168J-3 N. 132252T-16BJ-3 QA0118 QA0118	0073 0073 0073 0073 0073 0073 0073 0073		Transistor Chip R.	DTC144EUT106 DTC144EUT106 DTC144EUT106 DTC144EUT106 DTC144EUT106 DTC144EUT106 DTC144EUT106 DTC144EUT106 DTC144EUT106 ERJ3GSVJ123V ERJ3GSVJ47V ERJ3GSVJ47V ERJ3GSVJ23V ERJ3GSVJ23V ERJ3GSVJ22V ERJ3GSVJ23V ERJ3GSVJ23V ERJ3GSVJ13V ERJ3GSVJ13V		R755 R757 R758 R768 R760 R761 R761 R765 R765 R765 R766 R776 R776 R777 R778 R777 R773 R774 R777 R777 R777 R777 R777		555555555555555555555555555555555555
	QA0107	0.073 0.073		Transistor Transistor Transistor Transistor Transistor Transistor Chip R. Chip	DTC144EUT106 28CSG0RKT146Q UN6112 0TA14EUT106 DTC144EUT106 DTC144EUT106 DTC144EUT106 ERJ3GSYJ47V ERJ3GSYJ47V ERJ3GSYJ47V ERJ3GSYJ23V ERJ3GSYJ23V ERJ3GSYJ23V ERJ3GSYJ23V ERJ3GSYJ22V ERJ3GSYJ10V ERJ3GSYJ10V ERJ3GSYJ10V ERJ3GSYJ10V ERJ3GSYJ10V ERJ3GSYJ10V		R756 R759 R759 R769 R761 R761 R764 R765 R766 R766 R776 R776 R776 R777 R777		
	0.040107 0.040107 0.040107 0.040107 0.040107 0.040107 0.040107 0.040107 0.040108 0.040118 0.040118	0033 0033 0033 0033 0033 0033 0033 003		Transistor Transistor Transistor Transistor Transistor Chip R.	28C3082KT146C UN5112 UN5112 DTG144EUT106 DTG144EUT106 DTG144EUT106 DTG144EUT106 DTG144EUT106 ERJ3GSYJ21V ERJ3GSYJ47V ERJ3GSYJ47V ERJ3GSYJ22V ERJ3GSYJ22V ERJ3GSYJ22V ERJ3GSYJ22V ERJ3GSYJ102V ERJ3GSYJ102V ERJ3GSYJ102V ERJ3GSYJ102V ERJ3GSYJ102V ERJ3GSYJ102V ERJ3GSYJ103V ERJ3GSYJ103V ERJ3GSYJ103V ERJ3GSYJ103V ERJ3GSYJ103V ERJ3GSYJ103V ERJ3GSYJ103V ERJ3GSYJ103V ERJ3GSYJ103V		R757 R758 R761 R761 R762 R763 R765 R766 R766 R776 R779 R779 R773 R773 R773 R774 R774 R777 R774 R774		655555555555555555555555555555555555555
	QA0107 QA0107 QA0107 QA0107 QA0107 NL322827-180J NL322827-150J NL322827-150J NL322827-150J NL322827-150J QA0108 QA0118 QA0118 QA0118 QA0118 QA0118	0033 0033 0033 0033 0033 0033 0033 003		Transistor Transistor Transistor Transistor Transistor Chip R.	UN6112  DTA14EUT106  DTC14EUT106  DTC144EUT106  DTC144EUT106  DTC144EUT106  ERJ3GSYJ221V  ERJ3GSYJ47VV  ERJ3GSYJ47VV  ERJ3GSYJ22V  ERJ3GSYJ22V  ERJ3GSYJ22V  ERJ3GSYJ22V  ERJ3GSYJ102V		R758 R760 R761 R762 R763 R764 R765 R767 R767 R770 R770 R771 R773 R771 R773 R774 R774 R777 R774 R777 R774 R777 R		
	QA0107 QA0107 QA0107 QA0107 NU3225221-R88J-3 NU322527-150J NU322527-150J NU322527-150J QA0108 NU322527-160J QA0108 NU322527-100J QA0118 QA0118 QA0118	0.033 0.033		Transistor Transistor Transistor Transistor Chip R. Ch	0.0144EUT106 DTC144EUT106 DTC144EUT106 DTC144EUT106 ERU3GSYJ221V ERU3GSYJ47VV ERU3GSYJ47VV ERU3GSYJ47VV ERU3GSYJ47VV ERU3GSYJ02V ERU3GSYJ02V ERU3GSYJ02V ERU3GSYJ02V ERU3GSYJ02V ERU3GSYJ02V ERU3GSYJ02V ERU3GSYJ102V ERU3GSYJ102V ERU3GSYJ102V ERU3GSYJ102V ERU3GSYJ102V ERU3GSYJ102V ERU3GSYJ102V ERU3GSYJ103V ERU3GSYJ103V		R756 R761 R762 R763 R764 R766 R766 R770 R770 R771 R770 R771 R776 R774		
	0.40107 0.40107 N.1.322527-160J N.1.322527-160J N.1.322527-160J N.1.322527-160J 0.40108 0.40108 0.40108 0.40108 0.40108 0.40108 0.40108 0.40108 0.40108 0.40108 0.40108 0.40108 0.40108 0.40118 0.40118	0.000		Transiero Chip R. Chip R. Chip	DTC144EUT106 ERJ3GSYJ221V ERJ3GSYJ221V ERJ3GSYJ470V ERJ3GSYJ470V ERJ3GSYJ470V ERJ3GSYJ223V ERJ3GSYJ223V ERJ3GSYJ223V ERJ3GSYJ223V ERJ3GSYJ223V ERJ3GSYJ223V ERJ3GSYJ223V ERJ3GSYJ223V ERJ3GSYJ102V ERJ3GSYJ102V ERJ3GSYJ102V ERJ3GSYJ102V ERJ3GSYJ102V ERJ3GSYJ102V ERJ3GSYJ103V ERJ3GSYJ103V ERJ3GSYJ103V ERJ3GSYJ103V		H760 H763 H763 H765 H765 H766 H770 H770 H771 H771 H771 H774 H775 H776		
	0.00107  NI.322527-R68.3  NI.322527-130J  NI.322527-130J  NI.322527-130J  NI.322527-130J  O.00108  O.00108  O.00108  O.00108  NI.322527-R23.3  NI.322527-R15.3  NI.322527-R15.3  NI.322527-R15.3  NI.322527-R15.3  NI.322527-R15.3  NI.322527-R15.3  O.00118  O.00118  O.00118	875 870 870 870 870 870 871 871 871 871 871 871 871 871 871 871		CO C	ERJ3GSYJ221V ERJ3GSYJ472V ERJ3GSYJ47V ERJ3GSYJ47V ERJ3GSYJ47V ERJ3GSYJ47V ERJ3GSYJ223V ERJ3GSYJ223V ERJ3GSYJ223V ERJ3GSYJ223V ERJ3GSYJ102V ERJ3GSYJ102V ERJ3GSYJ102V ERJ3GSYJ102V ERJ3GSYJ102V ERJ3GSYJ103V ERJ3GSYJ103V ERJ3GSYJ103V ERJ3GSYJ103V		R765 R763 R764 R766 R766 R770 R770 R771 R773 R773 R774 R775 R776		
	NU322527-R68J-3 NU322527-120 NU322527-130J NU322527-130J NU322527-160J OA0108 OA0108 OA0108 NU322527-R15J-3 NU322527-R15J-3 NU322527-R15J-3 NU322527-R12J-3 NU322527-R12J-3 OA0118 OA0118 OA0118	870 870 870 870 870 871 871 871 871 871 871 871 871 871 871		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	ERJ3GSYJZ21V ERJ3GSYJ472V ERJ3GSYJ47V ERJ3GSYJ47V ERJ3GSYJ22V ERJ3GSYJZ23V ERJ3GSYJZ23V ERJ3GSYJZ23V ERJ3GSYJZ22V ERJ3GSYJZ22V ERJ3GSYJZ22V ERJ3GSYJZ22V ERJ3GSYJZ23V ERJ3GSYJZ23V ERJ3GSYJJ23V ERJ3GSYJJ23V ERJ3GSYJJ23V ERJ3GSYJJ3V ERJ3GSYJJ3V		R763 R765 R765 R7767 R770 R770 R771 R773 R774 R775 R776 R776		
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	NU.322827-1930 NU.322827-1930 NU.322827-1030 OA0108 OA0108 NU.322827-115.3 NU.322827-15.3 NU.322827-15.0 NU.322827-15.0 NU.322827-15.0 OR0017 OR0017 OA0118 QA0118	870 870 870 871 871 871 871 871 871 871 871 871 871		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	ERJAGSYJATYV ERJAGSYJATOV ERJAGSYJZZOV ERJAGSYJZZOV ERJAGSYJZZOV ERJAGSYJATOV ERJAGSYJATOV ERJAGSYJATOV ERJAGSYJATOV ERJAGSYJATOV ERJAGSYJATOV ERJAGSYJATOV ERJAGSYJATOV		R766 R767 R770 R771 R771 R774 R775 R776 R777		
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	N1322527-1000  QA0108  QA0108  N222527-R15,3  NL322527-15,0  NL322527-15,0  NL322527-16,15  NL322527-16,15  QA0118  QA0118	870 870 871 871 871 871 871 871 871		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	EHJGGSVJ223V EHJGGSVJ223V EHJGGSVJ222V EHJGGSVJ223V EHJGGSVJ223V EHJGGSVJ223V EHJGGSVJ223V EHJGGSVJ223V EHJGGSVJ103V EHJGGSVJ103V EHJGGSVJ103V		R769 R771 R771 R773 R774 R775 R776 R776		
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_	NL322527-058J	R725		Chip R.	ERJ3GSYJ222V		H788		
		R726		Chip R.	ERJ3GSYJ102V		!		5
X10095 Transistor	2SC4081T106R	H727		Chip R.	ERJ3GSYJ102V				
XT0059 Transistor	25C3082KT146Q	R728		Chip R.	ERJ3GSYJ474V			-	
	25C3082K   146Q	R729		Chip R.	ERJ3GSYJ101V				
	2SC3324B	DE 73	HK3038	Chip R.	ERJ3GSYJ102V		-		
	2SC3324B	2,2		Cho H	ERJ3GSYJ472V		R793	FK3038	등 (
	2SC3082KT146Q	R733		Chio F.	ERJ3GSYJ101V		R795		5 8
		R734		Chip R.	ERJ3GSYJ103V		R796		5
XUU140 Iransistor		R735	_	Chip R.	ERJ3GSYJ473V		H797	RK3046	G
XT0059 Transistor	2SC3082KT146Q	R736		Chip R.	ERJ3GSYJ682V	, .	R798	RK3054	OH!
<u>. · · · · · · · · · · · · · · · · · · ·</u>	2SC3082KT146O	27.30	RK3035	Chip K	ERJ3GSVJ561V		000	00000	i
XT0096 Transistor	2SC4099T106N	R740		Chio B.	ERJ3GSVJ221V		1086		5 8
	2SC3082KT146Q	R741	RK3001	Chip R.	ERJ3GSY0R00V		R802		
XUU140 Transistor	DTC124EUT106	R742		Chip R.	ERJ3GSYJ102V		H803		. ig
	DTC::24E1110E	R743	_	Chip R.	ERJ3GSYJ101V				Chi
	DTC144EUT106	177.0		. G	ERJ3GSYJ221V		-		g (
<u> </u>	2SC3082KT146Q	R746		Chio A	ERJ3GSYJ182V		H805		5 5
		A74		Chip R.	ERJ3GSYJ102V		_		1 6
X10095 Transistor	2SC4081T106R	R74		Chip R.	ERJ3GSYJ101V			-	. ig
	25C40811106H	R749		Chip R.	ERJ3GSY0R00V		R810		Chi
		W/W		Cho R	ERJ3GSYJ470V				ę i
		R75		S S S	ERJ3GSYJ101V				9 5
		R75		Chip R.	ERJ3GSYJ102V		R814		9
XU0148 Transistor		R75		Chip A.	ERJ3GSYJ223V				Pi
1	שמהו ומיהו שלה שלה	ž,		Chip R.	ERJ3GSYJ332V	_	7		e d
<u> 4 4 70                                </u>		Transistor	Transisto   DTC124EUT106     Transisto   DTC144EUT106     Transisto   25C3082RT146G     Transisto   25C4081T106R     Transisto   2	Transistor OTC:124EUT106   R744     Transistor OTC:144EUT106   R745     Transistor OSC3082KT146Q   R746     Transistor OSC4081T106R   R749     Transistor OSC4081T106R   R750     Transistor OSC4081T106R   R750     Transistor OSC4081T106R   R751     Transistor OSC4081T106R   R751     Transistor OTC:144EUT106   R755     Transistor OTC:145EUT106   R755	Transiston   OTC124EUT106   R744   RK3030     Transiston   OTC144EUT106   R745   RK3050     Transiston   25C3082KT146C   R746   RK3051     Transiston   25C4081T106R   R748   RK3028     Transiston   25C4081T106R   R749   RK3028     Transiston   25C4081T106R   R751   RK3028     Transiston   OTC144EUT106   R752   RK3028     Transiston   OTC144EUT106   R753   RK3028     Transiston   OTC144EUT106   R753   RK3028     Transiston   OTC144EUT106   R755     Transiston   OTC144EUT106   R755	Transistor OTC:24EUT106   R744   RK3030   Chip R.     Transistor OTC:44EUT106   R745   RK3050   Chip R.     Transistor 2SC3082KT146Q   R746   RK3040   Chip R.     Transistor 2SC4081T106R   R749   RK3026   Chip R.     Transistor 2SC4081T106R   R749   RK3021   Chip R.     Transistor 2SC4081T106R   R751   RK3022   Chip R.     Transistor 2SC4081T106R   R752   RK3028   Chip R.     Transistor 0TA144EUT106   R753   RK3038   Chip R.     Transistor 0TA144EUT106   R755   RK3034   Chip R.     Transistor 2SC4081T106R   R755   RK3034   Chip R.     Transistor 2SC4081T106R   R755   RK3054   Chip R.     Transistor 0TA144EUT106   R755   R75044EUT106   R7504   R7504   R7504   R7504   R7504   R7504   R75	Transistor OTC:24EUT106   R744   RK3030   Chip R.     Transistor OTC:44EUT106   R745   RK3030   Chip R.     Transistor OSC3082KT146Q   R746   RK3040   Chip R.     Transistor OSC4081T106R   R749   RK3021   Chip R.     Transistor OSC4081T106R   R749   RK3021   Chip R.     Transistor OSC4081T106R   R750   RK3022   Chip R.     Transistor OTC:44EUT106   R751   RK3028   Chip R.     Transistor OTC:44EUT106   R753   RK3038   Chip R.     Transistor OTC:44EUT106   R755   RK3034   Chi	Transistor         OTC:24EUTi06         R744         RR3030         Chip R.         ERJ3GSYJ221V         R895           Transistor         2SC3082KT146Q         R745         RR3040         Chip R.         ERJ3GSYJ103V         R896           Transistor         2SC3082KT146Q         R747         RR3041         Chip R.         ERJ3GSYJ102V         R890           Transistor         2SC4081T106R         R747         RR3028         Chip R.         ERJ3GSYJ102V         R890           Transistor         2SC4081T106R         R749         RR3021         Chip R.         ERJ3GSYJ102V         R800           Transistor         2SC4081T106R         R751         RR3022         Chip R.         ERJ3GSYJ101V         R811           Transistor         2SC4081T106R         R751         RR3026         Chip R.         ERJ3GSYJ101V         R811           Transistor         2SC4081T106R         R751         RR3026         Chip R.         ERJ3GSYJ101V         R811           Transistor         2TA44EUT106         R752         RR3026         Chip R.         ERJ3GSYJ102V         R815           Transistor         DTC144EUT106         R754         RR3036         Chip R.         ERJ3GSYJ102V         R815           Transistor	Transistor         OTC124EUT106         R74         RK3030         Chip.R.         ERJ3GSYJ221V         R805         RK3054           Transistor         2SC3082KT146Q         R745         RK3060         Chip.R.         ERJ3GSYJ103V         R806         RK3054           Transistor         2SC3082KT146Q         R746         RK3041         Chip.R.         ERJ3GSYJ102V         R806         RK3054           Transistor         2SC4081T106R         R747         RK3028         Chip.R.         ERJ3GSYJ101V         R809         RK3046           Transistor         2SC4081T106R         R73         RK3021         Chip.R.         ERJ3GSYJ101V         R809         RK3046           Transistor         2SC4081T106R         R75         RK3022         Chip.R.         ERJ3GSYJ101V         R811         RK3030           Transistor         2SC4081T106R         R75         RK3026         Chip.R.         ERJ3GSYJ101V         R811         RK3046           Transistor         DTA14EUT106         R753         RK3056         Chip.R.         ERJ3GSYJ102V         R814         RK3046           Transistor         DTC14EUT106         R754         RK3054         Chip.R.         ERJ3GSYJ102V         R815         RK3046           Transistor<

 
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 F S Ver. Parts Name ERJGSYJ222V ERJGSYJ223V ERJGSYJ03V ERJGSYJ47V ERJGSYJ47V ERJGSYJ103V ERJGSYJ103V ERJGSYJ102V ERJGSYJ102V ERJGSYJ102V ERJGSYJ102V ERJGSYJ102V ERJGSYJ102V ERJ3GSYJ104V ERJ3GSYJ471V ERJ3GSYJ471V ERJ3GSYJ222V ERJ3GSYJ272V ERJ3GSYJ472V ERJ3GSYJ101V ERJ3GSYJ471V ERJ3GSYJ222V ERJ3GSYJ223V ERJ3GSYJ223V ERJ3GSYJ223V ERJ3GSYJ223V ERJJGSYJ221V ERJJGSYJ472V ERJJGSYJ472V ERJJGSYJ472V ERJJGSYJ22V ERJJGSYJ222V ERJ3GSYJ153V ERJ3GSYJ104V ERJ3GSYJ104V ERJ3GSYJ472V ERJGGSYJ102Y ERJGGSYJ101V ERJGGSYJ103V ERJGGSYJ105V ERJGGSYJ472V ERJGGSYJ472V ERJ3GSYJ221V ERJ3GSYJ681V ERJGGSYJ103V ERJGGSYJ103V ERJGGSYJ122V ERJGGSYJ153V ERJGGSYJ153V ERJGGSYJ153V ERJ3GSYJ102V ERJ3GSYJ222V ERJ3GSYJ472V ERJ3GSYJ102V scription \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ 

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R880	RK3054	Chip R.	ERJ3GSYJ223V				VCO Unit	nit			C954	CU30
1881	RK3050	Chip R.	ERJ3GSYJ103V		VC01					<u>,                                    </u>		CU39
H882	RK3050 RK3050	Chip R	ERJ3GSYJ103V		Ę	TS0106	; ;	VCO Case(A)				CS02
H884	RK3050	Chip R.	ERJ3GSYJ103V		C925	CU3035	Chip lange	C1608 IB1H102KT.A			C957	
R885	RK3050	Chip R.	ERJ3GSYJ103V		C926	CU3035	O di O	C1608JB1H102KT-A			3	
H886	RK3050	Chip R.	ERJ3GSYJ103V		C927	CU3035	Chip C.	C1608JB1H102KT-A		<u> </u>	CN902	UE01
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0 0	RK3030	. d	EHJ3GSYJ103V		C929	CS0372	Chip Tantal	TMCMB1C106MTR		<u> </u>	D941	XD02
R890	RK3024		ERUSGSYJ101V		C830	CU3035	Chip C.	C1608JB1H102KT-A			į	
R891	RK3030	Chip R.	ERJ3GSYJ221V		283	CU3053	i cing	C1608JB1H10ZK1-A			1941	CAG
H892	RK3030	Chip R.	ERJ3GSYJ221V	-	C933	CU3024	Chio	C1608CH1H121.IT-A			346	3
R893	RK3030	Chip A.	ERJ3GSYJ221V		C934	CU3024	Chip C.	C1608CH1H121JT-A			0941	OU X
R894	RK3050	Chip A.	ERJ3GSYJ103V		C935	CU3008	Chip C.	C1608CH1H070JT-A			0942	XTOO
H898	RK3001	Chip R.	ERJ3GSY0R00V		C936	CU3007	Chip C.	C1608CH1H060JT-A			0943	X TOO
2	0.00	Č			C937	CU3006	Chip C.	C1608CH1H050CT-A			0944	XTOO
		rigiay.	רפועצעטוצ		6938	CU3035	Chip C.	C1608JB1H102KT-A		<u> </u>	Q945	ÖLX
TC701	CT0012	Trimmer	CTZ-10AW		3	20000	ding.	IMCMB1AZZBM1H			9005	PK30
TC702	CT0034	Trimmer	CTZ3S-30CW1-P		CN901	UE0185	Connector	B6P-BC-2			R940	FX30
10703	CT0034	Trimmer	CTZ3S-30CW1-P								R941	FX30
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TH701	XS0014	Thermistor	TBPS1R223K460H5O		C/04	XA0292	ŭ	MC12019DR2			R944	8X3
					L931	OA0109	<u>.</u>	040109	_		0 9 0	25.5
VR701	RH0106	Trim.Pot	EVM1YSX50BQ4		L932	QC0043	Chip L.	NL322522T-2R2J			R947	X X
VR702	RH0106	Trim.Pot	EVM1YSX50BQ4								R948	RX30
,	200002				0931	XE0006	FET	2SK210GR-TE85L	_		R949	PK30
277	700000 X	Crysta	49U-30.00MHz		0932	XT0059	Transistor	2SC3082KT146Q			R950	FX30
X703	2000X	Cysta	490-9.420MHZ		C933	XT0095	Transistor	2SC4081T106R			R951	PK30
			30.9.0.0.0.1.K		5000	030078				-	R952	EX:
		TONE Unit	Init	_	0760	060570	Chip A	ERJ3GSYJ103V			H953	EX.
C901	CS0049	Chip Tantal	TMCSA1C105MTR	Ŧ	R428	BK3026	. a	EHJ3GSYJ221V			H954	FK30
C905	CU3047	Chip C.	C1508JB1H103KT-A	Ξ.	R929	RK3065	Chica	ER13GSY 1184V			659	FK30
C303	CS0372	Chip Tantal	TMCMB1C106MTR	Ŧ	R930	RK3038	Chip R.	ERJ3GSYJ102V			R957	2 2 2
C904	CS0220	Chip Tantal	TMCMA1C225MTR	Ŧ	R931	RK3050	Chip R.	ERJ3GSYJ103V			R958	BK30
C305	CU3006	Chip C.	C1608CH1H050CT-A	푸	R932	RK3062	Chip R.	ERJ3GSYJ104V			R959	RK30
C307	CU3101	Chip C	C1608JB1C473KT-A	Į.	R933	RK3062	Chip R.	ERJ3GSYJ104V			R960	PK30
900	11×1049	Wise	The Contract of the Contract o	i	R934	RK3028	Chip R.	ERJ3GSYJ151V		_		
	2	D =	00.00	<u> </u>	H935	HK3050	E G	ERJ3GSYJ103V			VC03	
1060	XD0254	Diode	1SS355 TE-17	Ŧ	R937	RK3030	Chip B	EB.13GSV 1224V			1800	ואנו
					R939	RK3038	Chip R.	ERJ3GSYJ102V				CL30
2001	XA0052	<u>ნ</u>	S7116A	Ŧ								CU30
0	XTD095	Transistor	Coortract	į	VC02							CU30
5	2	3	10011100	<u> </u>		50106	i.	VCO Case(A)				CU30
R901	RK3050	Chip A.	ERJ3GSYJ103V	7	0842	CU3023	j c	C1608CH1USKI-A			C966	SC130
R902	RK3058	Chip R.	ERJ3GSYJ473V	Ŧ	C943	CU3020	Chip C.	C1608CH1H560.IT-A		, (		
R903	RK3026	Chip R.	ERJ3GSYJ101V	Ŧ	C944	CU3017	Chip C.	C1608CH1H330JT-A		, ,	_	CU30
H904	RK3066	Chip R.	ERJ3GSYJ224V	픋	C945	CU3012	Chip C.	C1608CH1H120JT-A				800
H905	RK3046	Chip R.	ERJ3GSYJ472V	Ŧ	C946	CU3012	Chip C.	C1608CH1H120JT-A			_	CU30
H-00-0	HK3057	Chie P.	ERJ3GSYJ393V	<u> </u>	C947	CU3004	Chip C.	C1608CH1H030CT-A		<u> </u>		CU30
2008	HK3034	S 5	ERJ3GSYJ471V	<b>∓</b> i	C948	CU3035	Chip C.	C1608JB1H102KT-A		Ü		CU30
806	RK3058	5 6	ERJ3GSYJ393V ER 13GSY 1473V	Ŧ.	C949	CU3004	Chip C	C1608CH1H030CT-A				CU30
R910	RK3054	Chio R.	ERJ3GSYJ223V	= =	C350	CS0382	Chip lantal	TMCMB1A226MTR		0 0		CU30
SW901	UD0005		SSGM18001A		C952	CU3035	Chic C	C1608.181.H102KT-A		<u> </u>	0.677	
106X	XB0001		FARC4CA0380K01R	Ŧ	C953	CU3035	Chip C.	C1608JB1H102KT-A	_	, 0		CSG3

Ref.	Parts No.	Description	Parts Name Ver.	ن ا	No.	Parts No.	Description	Parts Name	Ver.
C954	CU3035	Chip C.	C1608JB1H102KT-A		C979	CU3035	Chio C	C1608 IB1H102KT_8	
C955	CU3035	Chip C.	C1608JB1H102KT-A	<u> </u>	0960	CU3035	Chip C.	C1608JB1H102KT-A	
C956	CS0237	Chip Tantal	TMCMA1A475MTR	<u> </u>	C981	CU3018	Chip C.	C1608CH1H39QJT-A	
C957	CU3047	Chip C.	C1608JB1H103KT-A	Ť	C385	CU3005	Chip C.	C1608CH1H040CT-A	
C958	CU3035	Chip C.	C1608JB1H102KT-A	_	C983	CU3017	Chip C.	C1608CH1H330JT-A	
000				_	C384	CU3011	Chip C.	C1608CH1H100CT-A	
NOSNO NOSNO	050185	Connector	86P-BC-2		2885	CU3006	Chip C.	C1608CH1H050CT-A	
094	YDO333	eboji.	71011		2386	CU3006	Chip C.	C1608CH1H050CT-A	
į	20000	apolo -	1302171744		2887	cuanas	Chip C.	C1608JB1H102KT-A	
1.941	040110	<u>.</u>	040110		888	CS0382	Chip Tantal	TMCMB1A226MTR	
1942	OC0047	Chin	N 322527 4B7		800	CU3035	C. C.	C1608JB1H102KT-A	
!		j 1			C991	CUSUS		C1608JB1H102KT-A	
0941	XE0006	FET	2SK210GR-TE85L		C992	CU3101	) (i	C1608 IB1C473KT-A	
0942	XT0059	Transistor	2SC3082KT146Q	_			) ] ]	K-I VS (+) I GROOM	
Q943	XT0059	Transistor	2SC3082KT146Q		CN903	UE0183	Connector	B4P-8C-2	
Q9 <b>44</b>	XT0059	Transistor	2SC3082KT146Q		CN904	UE0182	Connector	83P-8C-2	
0945	XT0059	Transistor	2SC3082KT146Q	_					
9000	66/3063	9			1961	XD0233	Diode	1SV217TPH4	
R940	BK3026	i di	EHUGGO 75104V	-	2962	XD0266	Diode	DAP236U T106	
H941	RX3050	i a	EB 1906 V 1109 V		200	XD0233	Diode	1SV217TPH4	
R942	RK3054	Chip R.	ERJ3GSYJ223V		9960	XD0272	i code	1SV2171PH4	
R943	RK3062	Chip R.	ERJ3GSYJ104V	_				1111	
R944	RK3062	Chip R.	ERJ3GSYJ104V	Ē	7967	QA0110	Coil	QA0110	
R945	RK3031	Chip R.	ERJ3GSYJ271V	_	1963	OC0047	Chip L.	NL322522T-4R7J	
R946	PK3054	Chip R.	ERJ3GSYJ223V		5967	QA0110	Coil	QA0110	
1947	HK3054	Chip R	ERJ3GSYJ223V	_	9967	OC0047	Chip L	NL322522T-4R7J	
0000	2000	. d	EHJ3GSYJ222V		F 368	QA0110	Cod	QA0110	
B OF O	RK3054	Chip r.	EHJ3GSYJZZ3V	_	6967	QC0047	Chip L.	NL322527-4R7J	
R951	BK3038	. a	E0050510225V						
R952	FK3030	Chio	ERJ3GSY.1221V		, i	XEOOOB	FE.	2SK210GR-TE85L	
R953	FK3030	Chip R.	ERJ3GSYJ221V		2963	XEDODE	FRINSISTOF	01C124E01106	
R954	RK3040	Chip R.	ERJ3GSYJ152V		36.5	XIIO140	Transistor	CONZIUGH-TERSE	
R955	FK3032	Chip R.	ERJ3GSYJ331V		965	XF0006	7 FT	25K210GB TESS	
R956	FK3035	Chip R.	ERJ3GSYJ561V		986	XU0140	Transistor	CONZINGR-TEBOL	
R957	FK3036	Chip R.	ERJ3GSYJ681V			!			
R958	RK3050	Chip R.	ERJ3GSYJ103V	_	R961	RK3062	Chip R.	ERJ3GSYJ104V	
R959	FK3047	Chip R.	ERJ3GSYJ562V	_	R962	RK3062	Chip R.	ERJ3GSYJ104V	
0964	FK3054	Chip A.	ERJ3GSYJ223V	_	R963	RK3028	Chip R.	ERJ3GSYJ151V	
700			_		R964	RK3044	Chip R.	ERJ3GSYJ332V	
3	TS0107				H965	RK3030	Chip R.	ERJ3GSYJ221V	
C961	CU3026	c sid	C1608CH1H181 II.A		9 200	HK3062	Chip R.	ERJ3GSYJ104V	
C962	CU3011	Chip C.	C1608CH1H100CT-A		98	RK3028	Chip.r.	EM33GSYJ104V	
C963	CU3020	Chip C.	C1608CH1H560JT-A		R969	HK3044	Chie	FR.13GSY 1339V	
C364	CU3013	Chip C.	C1608CH1H15QJT-A	_	R970	HK3030	Chip R.	ERJ3GSYJ221V	
0365	CU3012	Chip C.	C1608CH1H12QJT-A	_	R971	RK3062	Chip R.	ERJ3GSYJ104V	
9960	CU3006	Chip C.	C1608CH1H050CT-A		R972	RK3062	Chip R.	ERJ3GSYJ104V	
2962	CU3035	Chip C.	C1608JB1H102KT-A	_	H973	RK3028	Chip R.	ERJ3GSYJ151V	
9060	C13035	Chip Lanta	MCMB1A226MTR		R974	RK3044	Chip R.	ERJ3GSYJ332V	
0260	CU3035	i di di	C1608/B1H10ZK1-A		R975	RK3030	Chip R.	ERJ3GSYJ221V	
C971	CU3022		C1608CH1H8201T-A	_	19/6	HK3046	Chip H.	ERJ3GSYJ472V	
C972	600000	5 0 0 0	C1608CH1H080CT-A		7/64	HK3046 9K3046	Chip R.	ERJ3GSYJ472V	
C973	CU3018	Chip C	C1608CH1H39QJT-A	_	0	040040		EHJ3GSYJ472V	
C974	CU3012	Chip C.	C1608CH1H12QJT-A	_	TC961	CT0012	Trimmer	CTZ-10AW	
C975	CU3010	Chip C.	C1608CH1H090CT-A	É	TC962	CT0012	Trimmer	CTZ-10AW	
C976	CU3006	Ohip C	C1608CH1H050CT-A		TC963	CT0012	Trimmer	CTZ-10AW	
C978	CS0382	Chip C.	C1608JB1H102KT-A						
	7,7,7,7	ומיות ליוול	MCMBIAZZOMIA	=	٦				_

## **ADJUSTMENT**

## 1) PA unit Adjustment

## Required Test Equipment

1. Digital voltage meter

2. DC current meter

300~500mA

3. DC regulated power supply

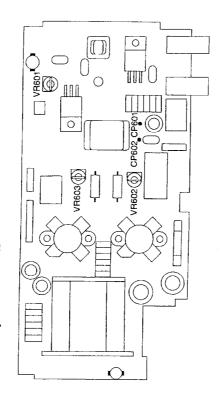
4. Power meter

Linear detectorSG or RF generator

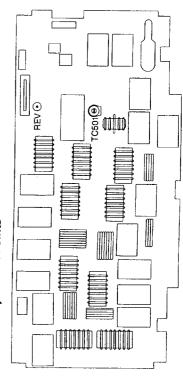
(should be equipped with 20~25A current limit and current meter) 13.80V 25A or more 100W (1.9~60MHz)

1.9~60MHz, -10~+10dBm

## PA Unit Adjustment Points



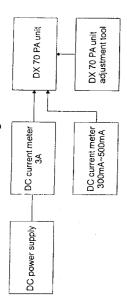
## Filter Unit Adjustment Points



## Idle Current Adjustment Setting

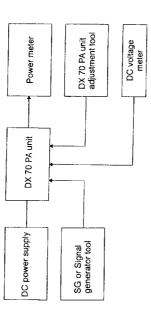
Adjustment the idle current without

input signal.



## **SWR Adjustment Setting**

Adjust SWR at approximately 50W.



### PA Adjustment

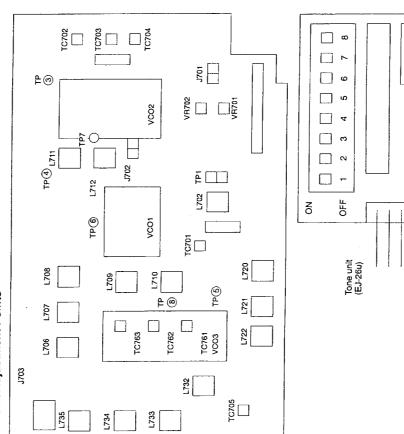
Item	Condition	Measurement	ment			Adjustment
		Equipment	Terminal	Sait	Parts	Method
Idling current 2SC1972 × 2	SSG: OFF Mode: USB VR601, 602, 603: min.	Current Meter 300~500mA	CP601 ⊝ CP602 ⊕	PA	VR601	Connect the current meter between CP601 and CP602, then adjust VR601 to 100mA.
ldling current MRF255 x 2	SSG: OFF Mode: USB	Current Meter 3.A	CN605 unit total current		VR602 VR603	Turn VR602 and VR603 counterclockwise tully, check the total current in transmission mode. Turn VR602 clockwise slowly so that the total current increases 400mA. Then turn VR603 clockwise slowly so that the total current increases 400mA. As a result, the total current increases 800mA.
	Connect TP1 and TP2 by soldering after adjusting.	soldering after a	djusting.	],		
SWR	i=1.9MHz SG ≫PA unit	Voltage Meter	REV	Filter	TC501	Adjust the output power to 50W, then adjust the TC501 so that REV voltage is min.
	When you adjust the finishe output power to about 50W	ed goods, set the	mode to SS	B, adjust	the inpu	When you adjust the finished goods, set the mode to SSB, adjust the input level of microphone, and set the output power to about 50W.

### 2) PLL Adjustment

## Required Test Equipment 1. Digital voltage meter

- 2. DC regulated power supply
- Frequency counter
   Spectrum Analyzer 5. Oscilloscope
- 13.80V 5A or more 1GHz or more 100MHz or more 500MHz or more

## PLL Unit Adjustment Points



1	10101	Meası	Measurement			Ā	Adjustment
	Condition	Equipment	Unit	Terminal	Unit	Parts	Method
VCO1 Frequency	PD1=1.2V	Freq. Counter	VCO1	CN90			175MHz or above
	PD1=4.3V						155MHz or below
VCO2 Frequency	PD1=1.5~4V	Freq. Counter	VC02	CN90 2~4			VCO2 freq.: 71MHz
	Attach the VCO to PLL, then adjust the unit after installing the PLL to the unit.	then adjust the ur	it after ir	stalling the	PLL to th	e unit.	
VCO2 Lock range	f=7.100MHz	Digital tester	PLL	TP7		Check	1.5V~4V
VCO1 Lock range	f=7.0999MHz			TP6			1V~3V
	f=7.1000MHz						3V~4.3V
VCO3 Lock range	f=0.1500MHz			ТР8	0000	TC961	2.5V
	f=10.4999MHz					TC961	When the voltage is 6.45V or below, adjust the unit to 6.5V again. (6.45V~7.0V)
	f=10.5000MHz					TC962	2.5V
	f=21.4999MHz					TC962	When the voltage is 6.45V or below, adjust the unit to 6.5V again. (6.45V-7.0V)
	f=21,5000MHz					TC963	2.5V
	f=29,9999MHz					Check	6.5V or below
2nd LO Level	f=7.100MHz	Oscilloscope		TP4	PLL	L711 L712	Turn the coils to the max, repeatedly.
1st LO Level	f=7.100MHz			TPS		L709 L710	Turn the coils to the max. repeatedly.
	f=7.100MHz					L706 L707 L708	Turn the coils to the max. repeatedly.

		Meas	Measurement			\ \	Adjustment
Ee H	Condition	Equipment	Unit	Terminal	Cait	Parts	Method
Frequency	RX LSB	Freq. Counter	PLL	TP3	PL	TC702	9873.60kHz +/- 0 02kHz
(Mode)	RX USB					10701	
	BX AM and FM					5 5	907 0.40KHZ +/- U.UZKHZ
						20/02	98/5.00kHz +/- 0.02kHz
	RX CWU					Check	9875.80kHz +/- 0.3kHz
	RX CWL						9874.20kHz +/- 0.3kHz
Frequency	RX LSB			J701		VR702	453.60kHz +/- 0.1kHz
(IF Shift)	TX LSB					VR701	453.60kHz +/- 0.01kHz
	RX LT, (IF Shift center)					Check	453.30kHz +/- 0.2kHz
	TX LT, (IF Shift center)						453.50kHz +/- 0.2kHz
	RX UT, (IF Shift center)						456.70kHz +/- 0.2kHz
	TX UT, (IF Shift center)						456.50kHz +/- 0.2kHz
Frequency	f=7.1000MHz, FM			J703		TC701 L702	78850.00kHz Adjust TC701 at first, then L702 when TC701 can not be adjusted.
Level	f=7.100MHz, USB	Spectrum Analyzer		1701		Check	-6~0dBm f=456.4kHz
Level	f=7.100MHz, USB			J702			1~6dBm f=71.295MHz
Level	f=53.9999MHz			J703		L720 L721 L722	Turn the coils to the max. repeatedly.
Level	f=53.9999MHz					L732 L733 L734	Turn the coils to the max. repeatedly f=123.75MHz
Spurious	f=53.9999MHz					L/45 TC705	1~6dBm Spurious min. (60dB or more)
	f=150kHz f=10.400MHz				•		
Level	f=10.500MHz f=21.400MHz			·		Check	Check   Level: 2~6dBm +/-2dB
	f=21.500MHz						
	f=29.9999MHz						

## 3) Tone Unit Adjustment

1 Attach EJ26U to DX70.

2 When the subaudible Tone is ON in FM mode, adjust the unit according to following table.

3 When the subaudible Tone is OFF in FM mode, the tone should not be emitted.

Item	Condition	Measi	Measurement			A	Adjustment
		Equipment	Unit	Terminal	Unit	Parts	Method
Tone Frequency	250.3Hz 1 2 3 4 5 6 7 8	Freq. Counter	EJ26	CN99			249.6~251.0Hz
Tone Frequency	156.3Hz 1 2 3 4 5 6 7 8	Freq. Counter	EJ26	CN99			156.2~157.2Hz
Tone	156.3Hz 1 2 3 4 5 6 7 8	Oscilloscope	EJ26 u	CN99			1.8~3.0V p-p
Tone	156.3Hz 1 2 3 4 5 6 7 8	Oscilloscope	EJ26	CN99			2.8~3.8V p-p
Tone	156.3Hz 1 2 3 4 5 6 7 8	Oscilloscope	EJ26	CN99			3.8~4.8V p-p
Final Setting	88.5Hz 1 2 3 4 5 6 7 8						Attach to the DX70T after the tone level obtains 88.5Hz.

<sup>\*</sup> indicates the number is ON.

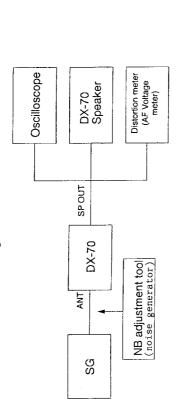
## Required Test Equipment

- 1. Digital voltage meter
- 2. DC regulated power supply

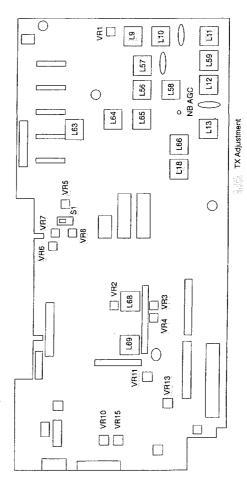
13.80V 3A or more about 200MHz

- 3. SG
- 4. Distortion meter, AF voltage meter
- 8Ω speaker
- 7. (NB adjustment tool) 6. Oscilloscope

## Main Unit Adjustment Setting



## Main Unit Adjustment Points



## 4) Sensitivity Adjustment

SG Output Frequency: 14.1000MHz Frequency: 14.0993MHz Mo RF Gain: +10dB Filter: Wide

Mode: USB AIF: Center

Squelch VR: Turn the knob counterclockwise fully. Connect to HF Antenna Terminal. RIT: OFF AGC: FAST

NB: OFF

Item	Condition	Measurement	ment			Adjustment
		Equipment	Terminal	Unit	Parts	Method
	-				L56 L57	Adjust every following group
					T28	repeatedly to obtain the
ŀ	Se output: OdBµ	Audio			L59	maximum receiving signal;
uning	Mod: OFF	Voltmeter	SP	Main	L12	L56, 57, 58
	AF output: 300mV				L13	L59, 12, 13
					997	166
					L68	L68, L69
		i			697	
	Mode: FM			<b></b>	3	
	f=14.1000MHz	Distortion			59	Adjust repeatedly to obtain the
	SG output: 0dBµ	Meter		• •••	L12	maximum SINAD.
	Mod: 1kHz, 3.5kHzDEV				L13	SINAD should be 13dB or more.
	SG output: 60dBµ			•		SINAD should be 30dB or more.
	1kHz, 3.5kHzDEV				Check	Check If SINAD is below 30dB, adjust
						L59, L12 and L13 again.
	SG output: -6dBµ					
	Mod: OFF					Make sure that S/N is 10 5dB or
	Mode: USB	Augio			Check	more by turning ON/OFF SG
	f=14.0993MHz	Voltmeter				outout.
	AF output: 300mV					·
	SG output: 10dBμ			•		
	Mod: 1kHz, 30%					Make sure S/N is 10dB or more
	Mode: AM				S S S S	by turning ON/OFF SG
	f=14.1000MHz					modulation.

## 5) Noise Blanker Adjustment

Mode: USB AIF: Center SG Output Frequency: 14.1000MHz
Frequency: 14.0993MHz Mode
RF Gain: +10dB AIF:
Filter: Wide

NB: OFF Connect to HF Antenna Terminal.
RIT: OFF AGC: FAST NB: OFF Squelch VR: Turn the knob counterclockwise fully.

## 7) Receiving Function Adjustment

SG Output Frequency: 14.1000MHz Frequency: 14.0993MHz Mo RF Gain: +10dB

Filter: Wide

Mode: USB AIF: Center

NB: OFF Connect to HF Antenna Terminal.

RIT: OFF AGC: FAST NB: OFF Squelch VR: Turn the knob counterclockwise fully.

Condition	Manager	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
	measurement	ment			Adjustment
	Equipment Terminal Unit Parts	Terminal	Unit	Parts	Method
SG output: 0dBµ					
	:	NB AGC		163	Adjust the coils, and set DC
	Oscilloscope	(MAIN)	Main	L64	voltage of the terminal to the
		,		165	minimum with the oscilloscope.
RF Gain: +10dB					
6) S Meter Adjustment					
Scroutput: Udbl Mod: OFF Mode: USB 1=14.0993MHz NB: ON RF Gain: +10dE	ı ı ı ı ı ı ı ı ı ı ı ı ı ı ı ı ı ı ı	Oscilloscope		Oscilloscope	Oscilloscope (MalN) Main L64

item	Condition	Measurement	ment			Adjustment
		Equipment	Terminal	Unit	Parts	Method
RX Total Gain	SG output: 40dBµ Mod: OFF Mode: USB f=14.0993MHz RF Gain: 0dB	AF Voltmeter	Q.	Main	VR2	Adjust SP output by setting the AF gain to about 1V. The output level should be 0dB. Adjust only the noise output to -28dB by turning OFF SG output.
S Meter	SG output: 20dBµ Mod: OFF SG output: 40dBµ	S Meter	S Meter		VR10	The indicator between first and second digits is turned ON. The 9th digit starts flashing. Adjust VR10 and VR15 repeatedly.
	SG: OFF				Check	Check S Meter is not turned ON.
Squelch	SG. OFF		BUSY RX LED (Green) AF output		Check	Turn the Squeich VR to make sure that the squeich closes at about 10 o'clock.

4	111111111111111111111111111111111111111	Measurement	ment			Adjustment
<u> </u>	Condition					Adjustinent.
		Equipment	Terminal	Unit	Parts	Method
AGC	SG output: 40dBµ Output: ON/OFF Mod: OFF		S Meter		Check	Switch AGC. When SG is turned Check OFF, the meter moves slowly in SLOW, and fast in FAST
RF GAIN	SG output: 40dBμ		S Meter		Check	Switch the RF GAIN from +10dB orderly, the meter swings shorter and shorter.
FILTER Switching	Ouput: OFF Mode: USB, AM, CW				Check	Switch the FILTER in every Check mode (except FM), the noise sound should be changed.
Band Sensitivity	SG output: -6dBµ f=1.9000MHz f=3.6000MHz f=7.0000MHz f=10.1000MHz f=21.1000MHz f=28.1000MHz Mode: USB or LSB Connect SG to 50MHz antenna terminal:	Audio Voltmeter	å		Check	In USB mode, SG frequency is -700Hz. In LSB mode, SG frequency is +700Hz. Make sure that S/N is 10dB or more.
50MHz Sensitivity	SG output: -10dBμ SG freq.: 52.1000MHz Mode: USB f=52.0993MHz				Check	S/N is 10.5dB or more when turning ON/OFF SG output.
	SG output: -4dBµ Mod: 1kHz, 3.5kHzDev Mode: FM 1=52.0000MHz	Distortion Meter			Check	SINAD: 13dB or more

## Required Test Equipment

- 1. Digital voltage meter
- 2. DC current meter
- 3. DC regulated power supply

13.80V 25A or more

20~30A

4. Power meter

(should be equipped with 25~30A current limit) 100W (1.9~60MHz)

- 6. AF generator (600Ω) 5. Linear detector
  - 7. AF voltage meter

    - 8. Oscilloscope
- 9. Electronic keyer (CW telegraphy key)
  - 10.TUNE operation tool

## 8) Transmission Adjustment

Connect the power meter to HF antenna terminal.
Frequency: 7.1000MHz Mode: USB Speech Compressor (SET mode): OFF

Power: High FM-TONE: OFF

Item	Condition	Measurement	ment			Adjustment
		Equipment	Terminal	Unit	Parts	Method
Tuning	Slide S1 to rear panel side. AG output: -50dBm	Power Meter	HF Antenna Terminal	Main	8 5 5 g	Adjust to the maximum power. (Adjust the AG input level so that the power becomes the maximum at about 50W.
Current	AG output: OFF Mode: FM Set VR7 to 9 o'clock. Set VR6 to 3 o'clock.	Current Meter	Power Supply Terminal		VR6	Turn VR6 counterclockwise so that the total current becomes 20A. Be careful not to run much current for short time.
Power	Mode: FM	Power Meter	HF Antenna Terminal		VR7	Turn VR7 clockwise to decrease the power, then adjust to 100W.
	Slide S1 to front panel side.				VR5	Turn VR5 to obtain the power of 50W.
	Slide S1 to rear panel side. Operate TUNE with tool.				VR8	Turn VR8 to obtain the power of 10W.
	f: 52.0000MHz Mode: FM		50MHz Antenna Terminal	Filter	Check	That the power to 10% or approximate value.
FM Frequency Deviation	AG output: -30dBm f: 52.0000MHz Mode: FM	Linear Detector		Main	VR13	Adjust the maximum frequency deviation to 4.3kHz.
	FM-TONE: ON (only the unit equipped with TONE)				Check	The frequency deviation is increased. (Approx. 5kHz)

Occupantion	adosomoso		Linear detector	Spectrum	analyzer	
Power meter						
ANT		CW key				
DX-70			Current meter		DC power	Supply
MIC		_ <u></u>				
AF signal	generator	A F votage	meter			

Connect the power meter to 50MHz antenna terminal. Frequency: 52.000MHz Mode: USB Speech Compressor (SET mode): OFF

Power: High FM-TONE: OFF

Item	Condition	Measurement	ment			Adjustment
		Equipment	Terminal	Unit	Parts	Method
Filter Tuning	AG output: -30dBm Mcde: FM FM-TONE: OFF	Oscilloscope (Linear Detector)	50MHz Antenna Terminal	Main	- E - E - B - B	Set the AM modulation factor to the minimum. It should be 5% or below.
Carrier Balance	AG output: OFF f: 7.1000MHz Mode: LSB/USB	Oscilloscope	HF Antenna Terminal		VR3 VR4	Adjust VR3 and VR4 so that the carrier suppression is 50dB (1/300) or below at 100W. The carrier suppression should be decrased in both 10g out or
CW Wave Form	Mode: CW-L/CW-U Electronic-keyer (dot): approx. 20mS				VR11 Check	Make sure of the wave form. The wave form of rise and fall should be symmetry. (The inclination is approx. 3ms.) The side tone of CW is should be
Low Power	Mode; FM Power: Low	Power Meter			Check	Check Within 10-20W
AM Power	AG output: OFF Mode: AM Power: High			···•	Check	Check 35~50W
Band Power	Mode: FM Band (MHz): 1.9, 3.5, 10, 14,18,21,24,28,50			<u> </u>	Check	Make sure that the power is 90~110W.

## 9) Spurious Adjustment

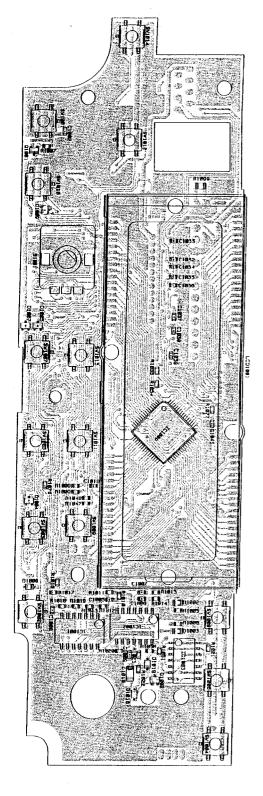
Connect the power meter to HF or 50MHz antenna terminal.
Frequency: 52.000MHz Mode: FM Pown
Speech Compressor (SET mode): OFF FM-1

Power: High FM-TONE: OFF

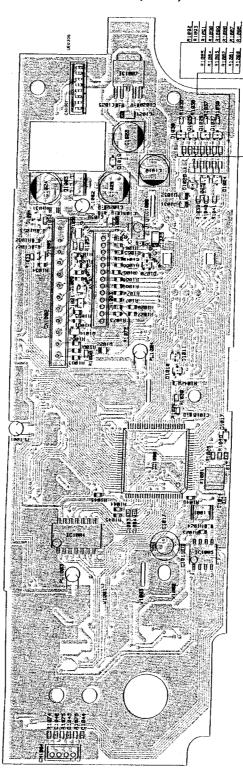
Item	Condition	Measurement	ment			Adjustment
		Equipment	Terminal	Chit	Parts	Method
	AG output: OEE					
or or or	Mode: The	ATT +	50MH2			
2000	Mode. FIM					balance the spurious to obtain
Balance	FM-TONE: OFF	spectrum	Antenna	Main	Š	the minimum value
	(f: 52.0000MHz)	Analyzer	Terminal		- Y	-60dB or below
	AG quitout: OFF					
	Manager The		ŭ			4
Spurious	Mode: FM		= .			-52dB or below
-	Band (MHz): 1.9, 3.5, 10,		Antenna	•••	Check	(-47dB or below in 10MHz band
	14, 18, 21, 24, 28		Terminal			only)
						Adjust so that the value is within
						the regulation.
					១	(Adjust L9 when the spurious is
						not -52dB or below in 24/28MH <sup>2</sup>
						band.)
ويتتاور	AG output: OFF			L	1	-50dB or below
Balance	Mode: LSB/USB				2 6 K	(Adjust VR3 and VR4 when the
}				-	VR4)	carrier suppression is not -50dB
	Mode: CW					or below.)
Modulation	Modulation Keying: OFF			_	1	<u>:</u>
	f: 53.99MHz				Š	-budB or below
	Mode: FM, AM, USB/LSB	Monitor			1	
	Connect the microphone.	Transceiver			Check	Make sure the modulation sound
						in every mode.

### PC BORD VIEW

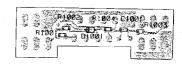
### **CPU Unit Side A (Later)**



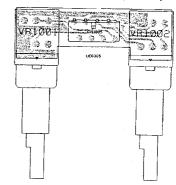
CPU Unit Side B (Later)



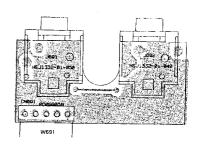
Vol. Unit Side A (Later)



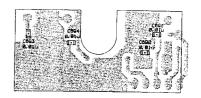
Vol. Unit Side B (Later)



Jack Unit Side A

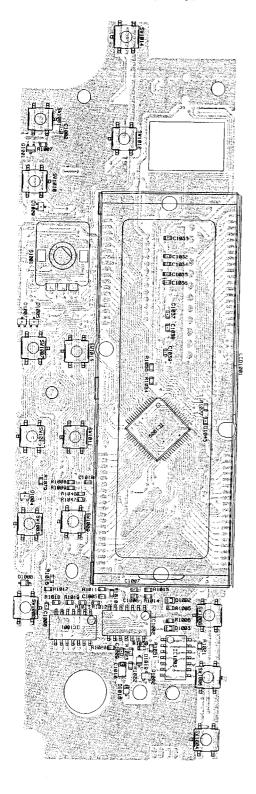


Jack Unit Side B

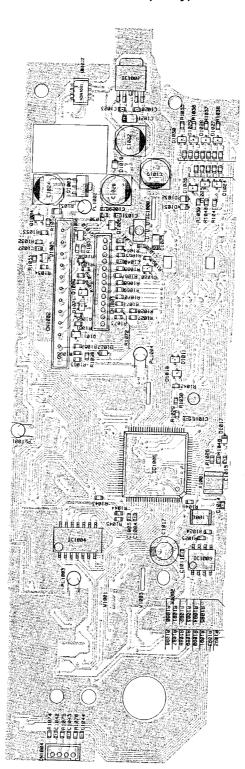


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### CPU Unit Side A (Early)

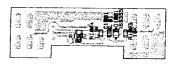


### CPU Unit Side B (Early)

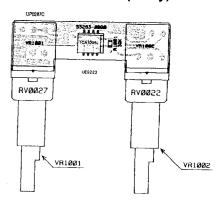


### Vol. Unit Side A (Early)

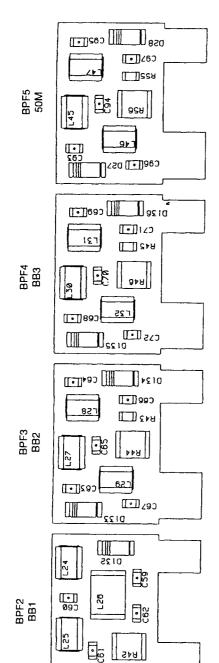
### 3) Vol. Unit Side A



### Vol. Unit Side B (Early)



### **BPF UNIT Side A**



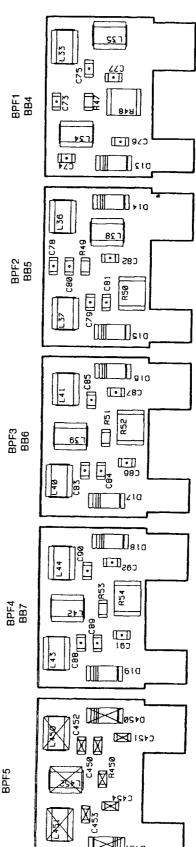
1210

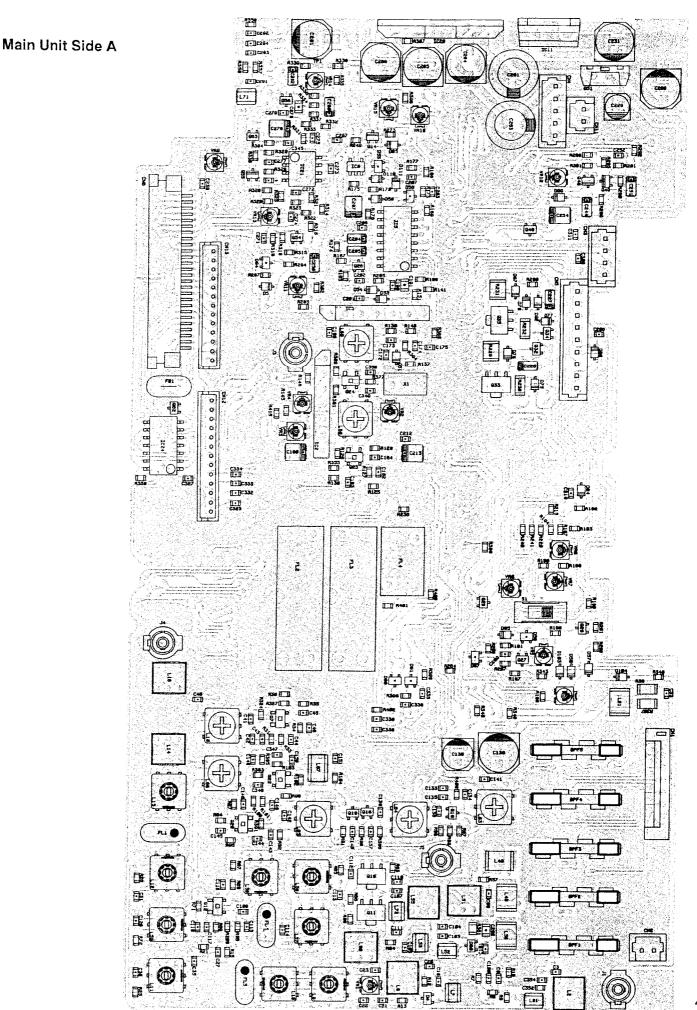
BPF1 BB0

[[•]] 4SO

C28[•]

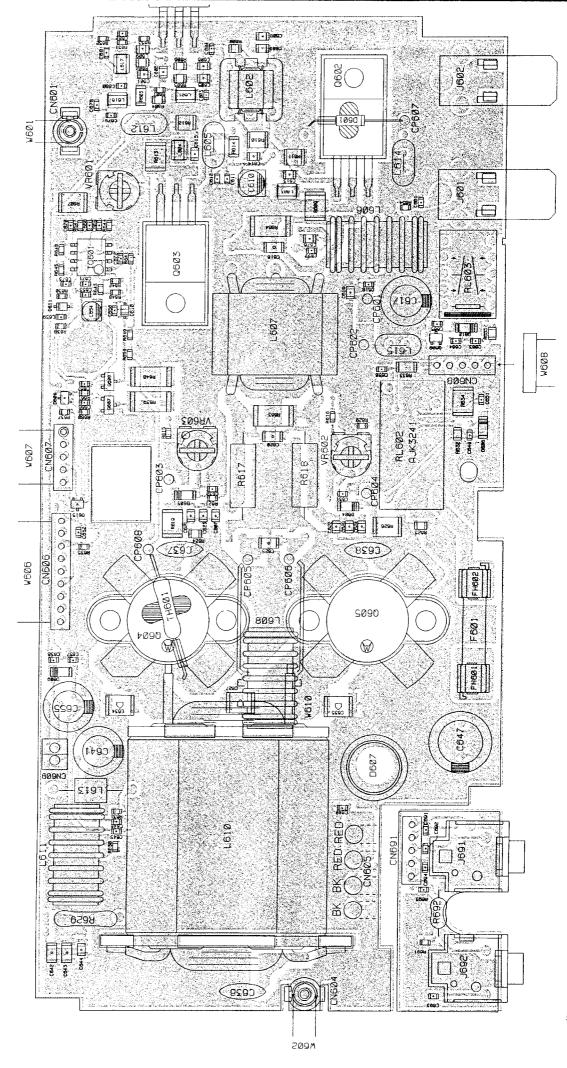
### **BPF UNIT Side B**



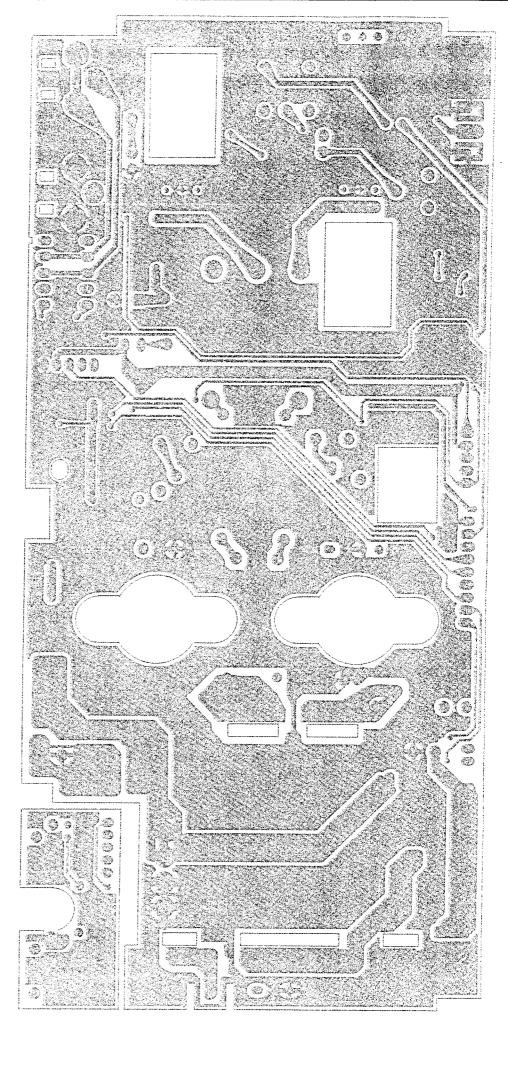


# Main Unit Side B

C

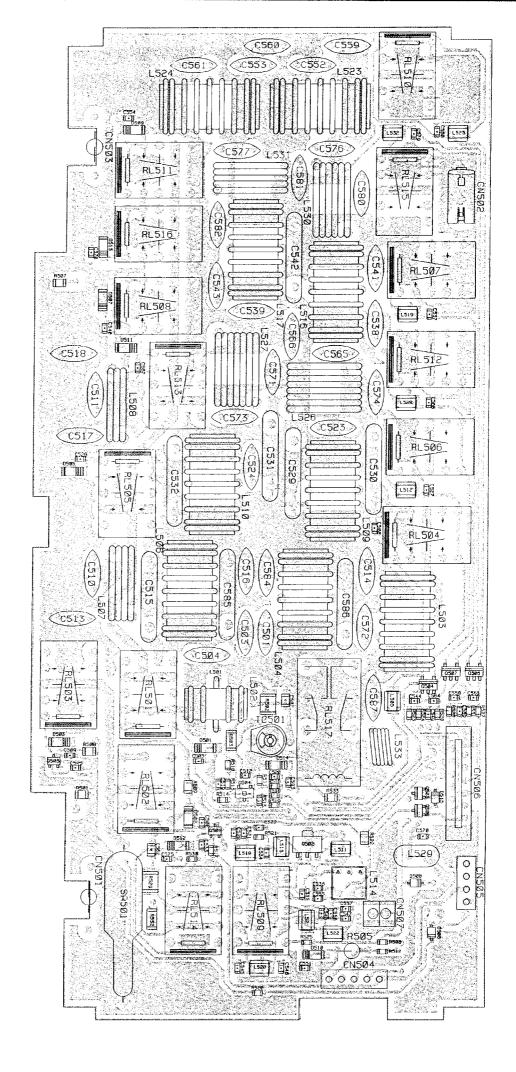


### PA Unit Side B

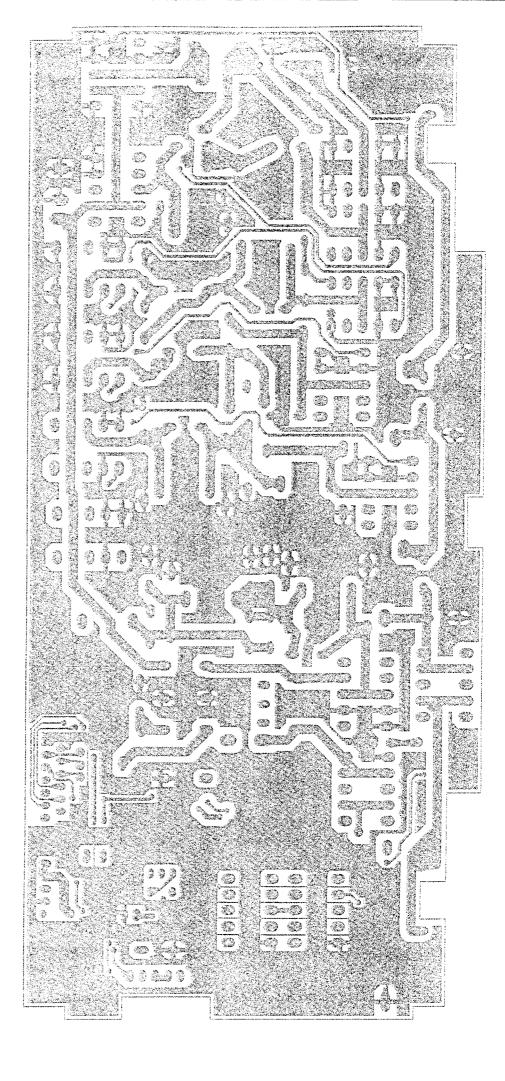


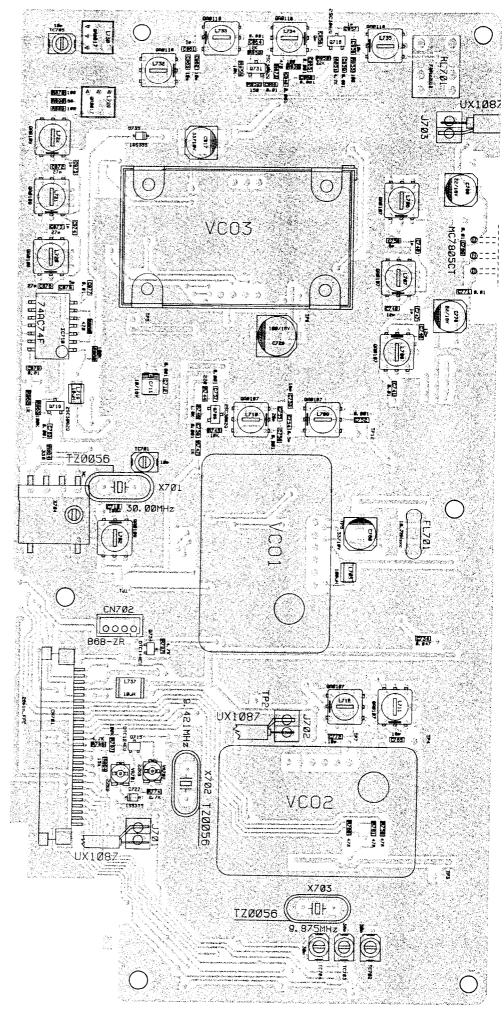
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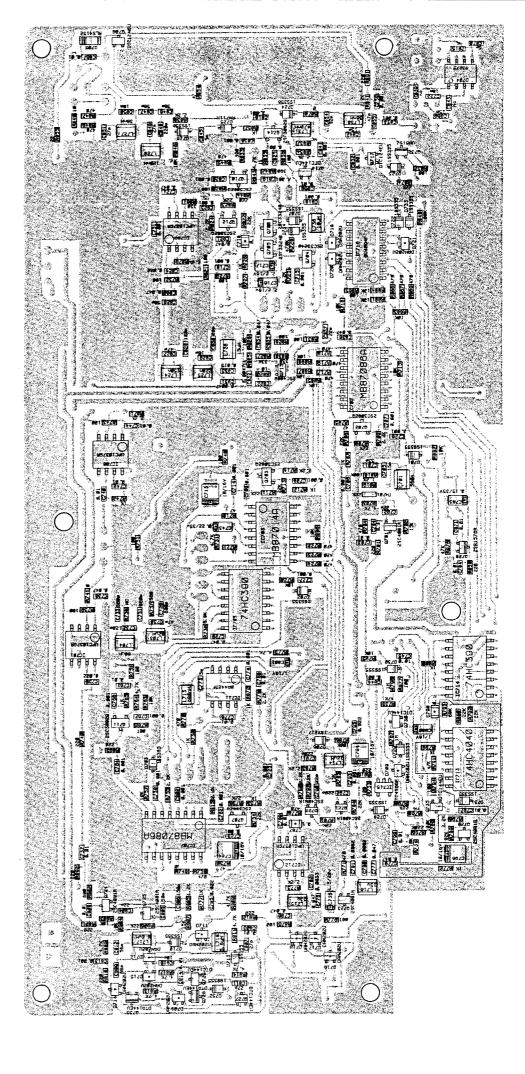
### Filter Unit Side A

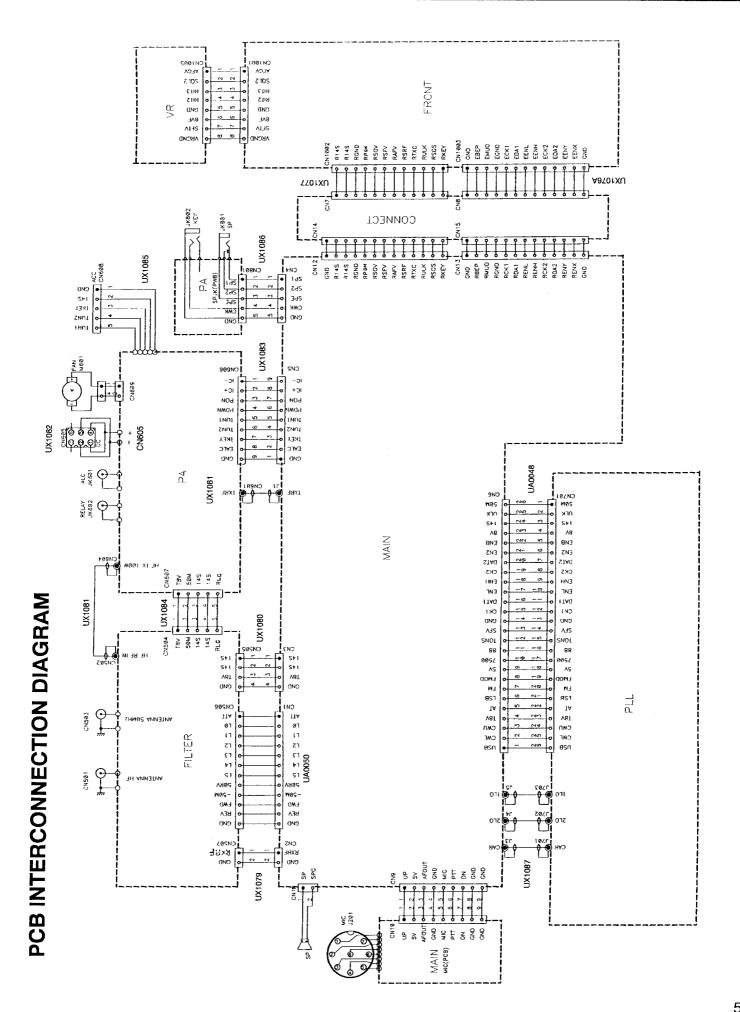


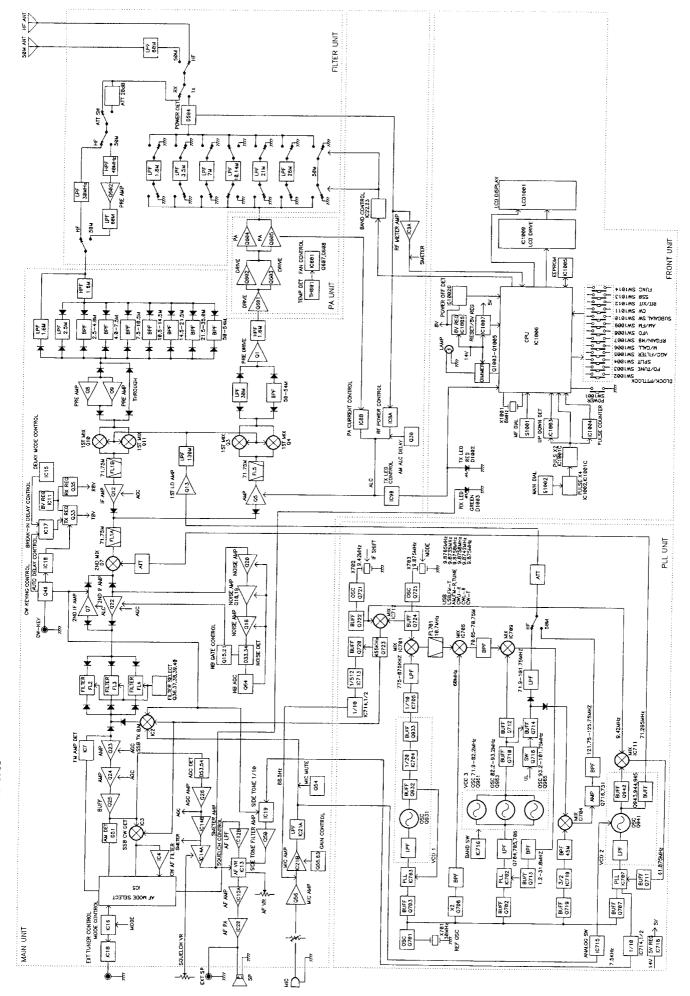
### Filter Unit Side B

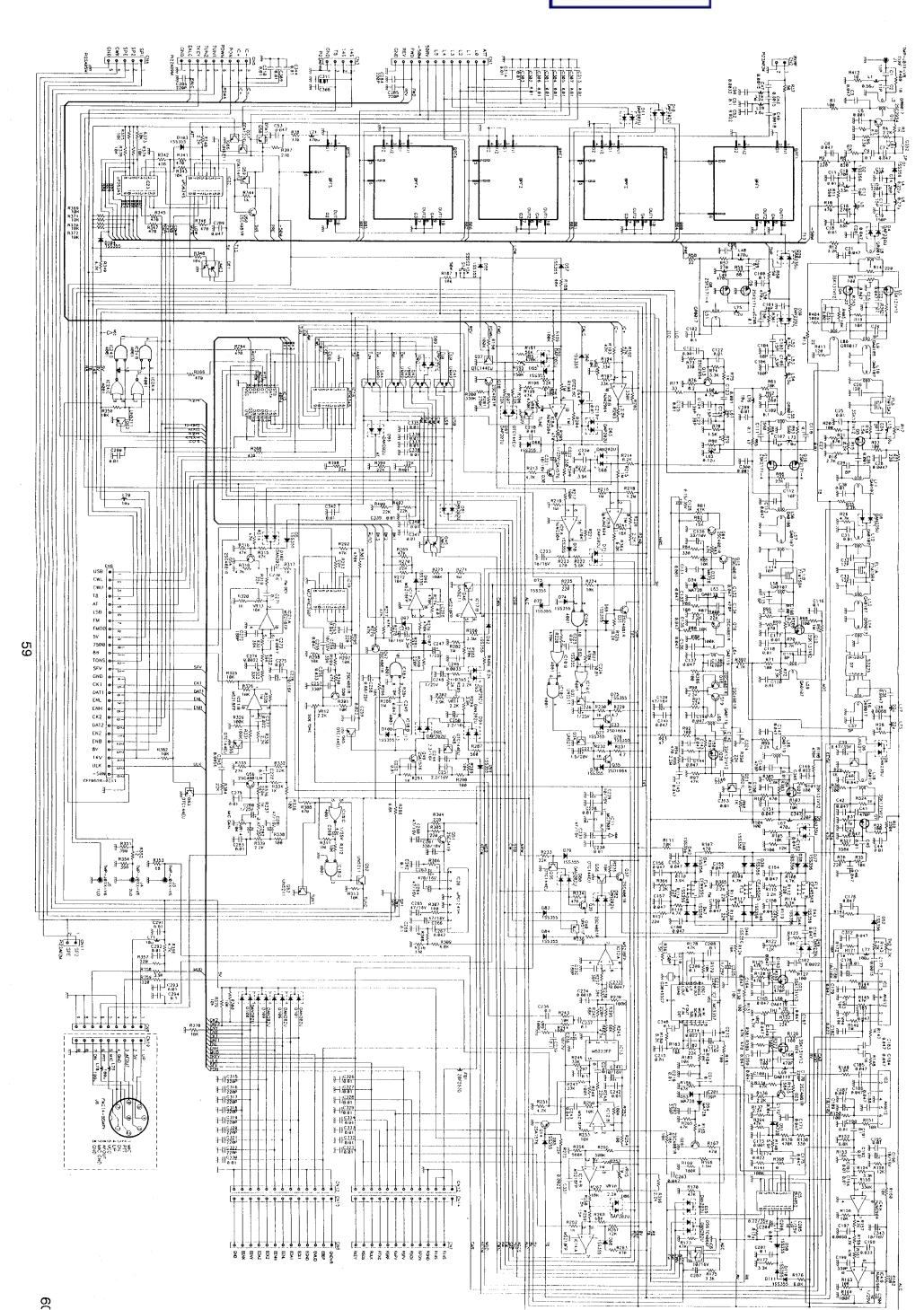


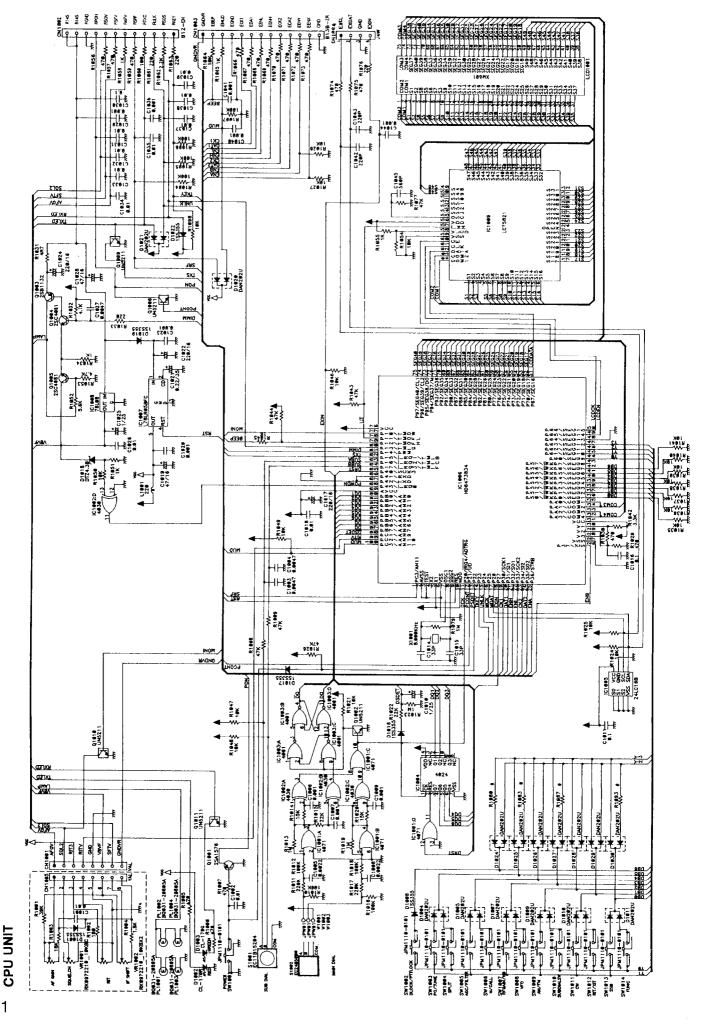




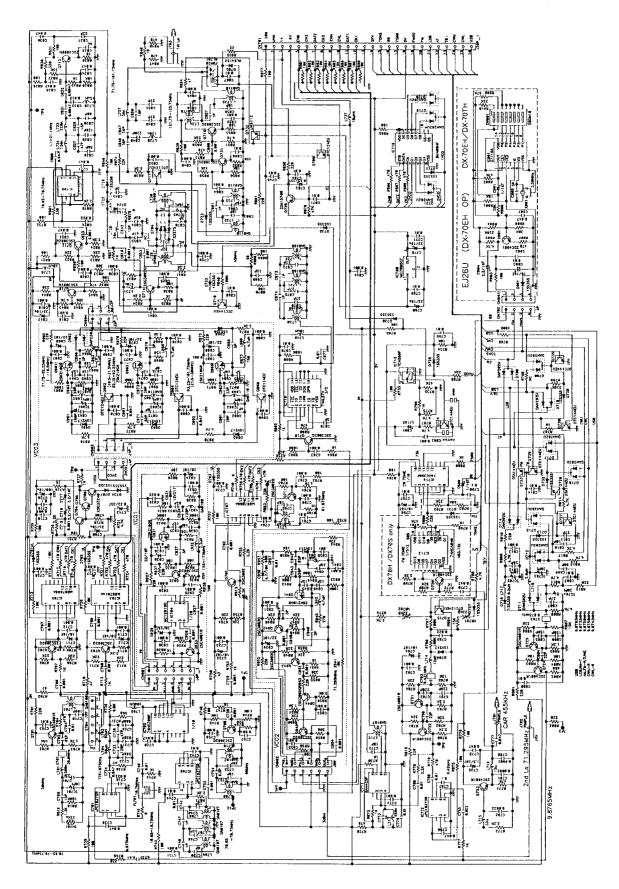






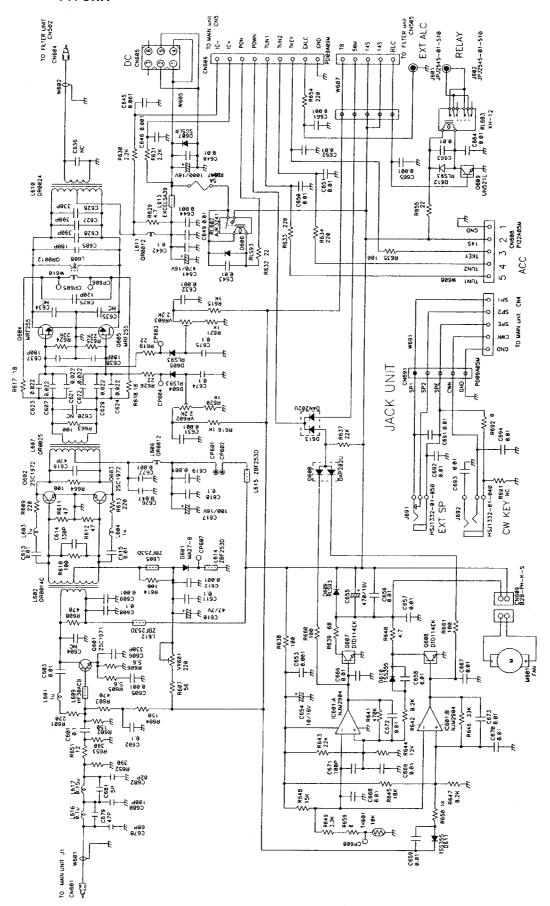


### **PLL UNIT**

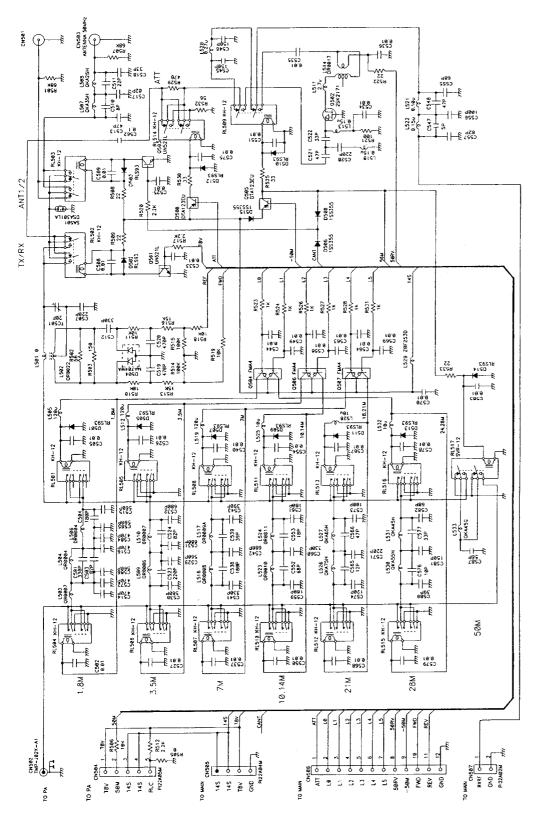


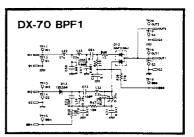
62

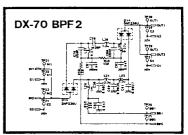
### **PA UNIT**

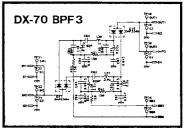


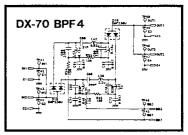


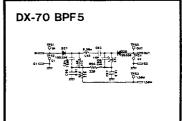


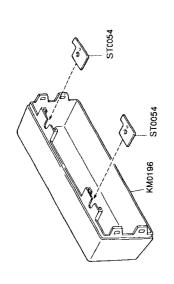


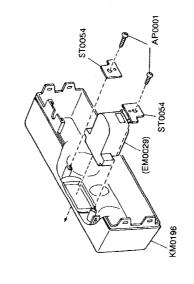


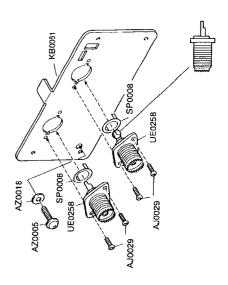




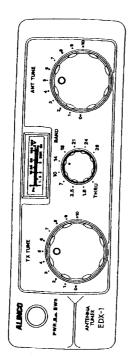


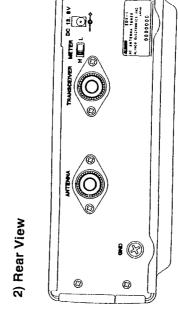




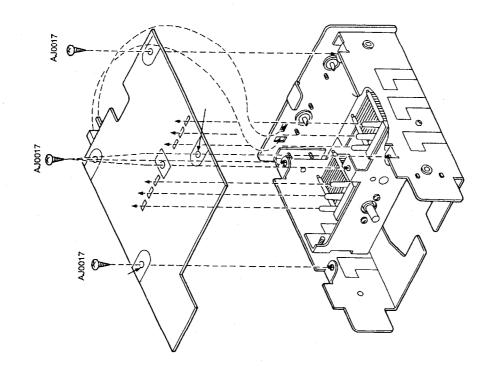


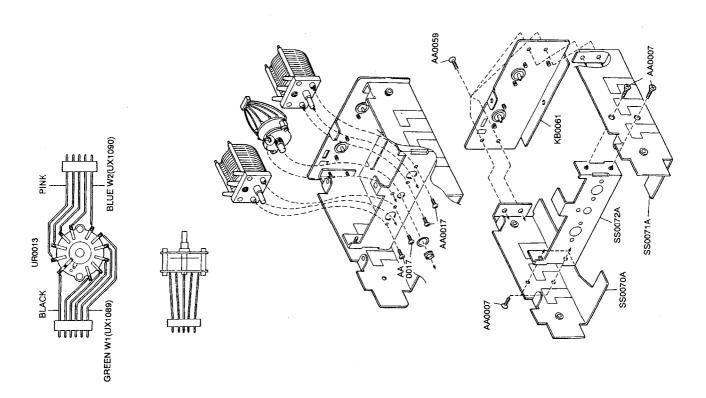
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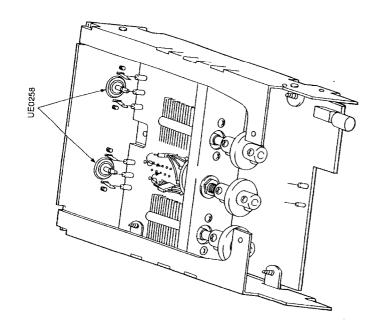


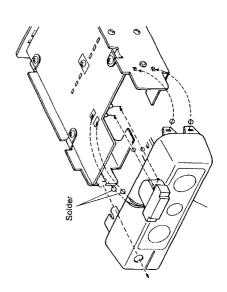


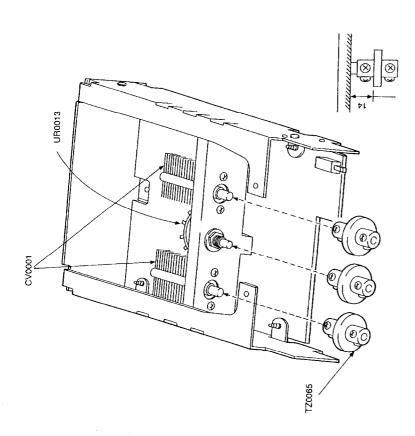
1) Front View

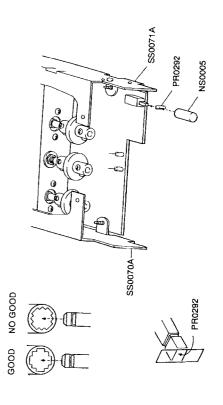


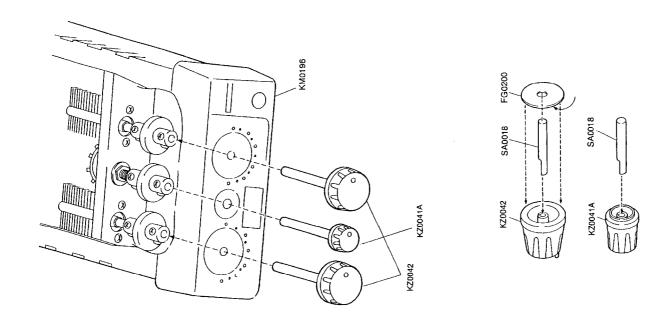


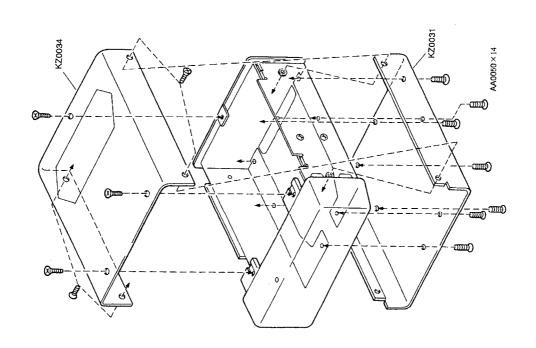












# Parts List for EDX-1

EDX - 1 Tuner

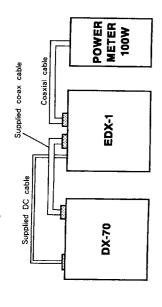
Net.	Parts No.	Parts Name	Loc	No.
		Tuner		<u>ā</u>
2	cu3047	C1508J81H103KT-A	*	
C2	CE0201	16MV10SZ SE1	=	JP6
C3	CE0201	16MV10SZ SEI	=	- Fan
C4	CU3047	C1608JB1H103KT-A	~	JP8
S	CU3027	C1608CH1H221KT-A	~	JP9
93	cu3029	C1508JB1H331KT-A	*	JP10
C7	CU3031	C1608JB1H471KT~A	~	JP11
83	CU3031	C1608JB1H471KT-A	*	=
60	CU3101	C1608JB1C473KT~A	*	17
C10	cu3101	C1608JB1C473KT-A	~	L3
C11	CU3101	C1608JB1C473KT-A	*	7
C12	cu3031	C1608JB1H471KT-A	~	
C13	CU3044	C1608JB1H562KT-A	<	97 ——
C14	090050	TMCSA1E474MTR	~	10
C15	cu3047	C1608JB1H103KT~A	~	0.5
C16	cu3047	C1608JB1H103KT-A	∢	63
C17	cu3047	C1608JB1H103KT-A	~	æ
C18	CU3047	C1608JB1H103KT~A	~	R2
C19	cu3047	C1608JB1H103KT-A	≺.	22
C20	CU3047	C1608JB1H103KT~A	~	R4
C21		NC NC		85
C22	CU3047	C1608JE1H103KT-A	~	94
C23	CU3047	C1608JB1H103KT-A	~	R7
C24	CU3047	C1608JB1H103KT-A	≪	88
c25	cu3047	C1608JB1H103KT-A	~	R9
c26	CU3047	C1608JB1H103KT-A	∢	R10
C27	CU3047	C1608JB1H103KT-A	∢	RII
C28	c03030	C1608JB1H391KT-A	*	R12
C29	CU3047	C1608JB1H103KT-A	~	R13
C30	CU3047	C1608JB1H103KT-A	*	R14
,				R15
5	XD0273	RLS-93 TE11	<b>≺</b>	R16
05	xD0297	MA8100 TX	~	R17
03	xD0127	MAT04WA TX	~	B18
<b>D4</b>	XD0273	RLS-93 TE11	~	R19
50	XD0273	RLS-93 TE11	*	R20
5	XA0224	NUM2904M-T1 URC	∢	R21
102	XA0224	NJM2904W-T1 JRC	~	R22
5	UJ0033	HEC2781-010520	=	R23
JP.	RD1013	JPW02 R01	Ŧ	R24
JP2	RD1013	JPW02 R01	<b>=</b>	R25
L E	RD1013	JPW02 R01	<b>=</b>	R26
	1		-	_

Ref.	Parts No.	Parts Name	Loc
JP4	RD1013	JPW02 R01	=
JP5	RD1013	JPW02 R01	<b>=</b>
JP6	RD1013	JPW02 R01	I
JP7	RD1013	JPW02 R01	π
JP8	RD1013	JPW02 R01	×
P9	RD1013	JPW02 R01	Ŧ
JP10		NC NC	
JP11	RK1107	ERJ8GEY0R00V	*
Ξ	RD1013	JPW02 R01	x
77	QR0013A	Toroidal Coil GRO013A	×
ឌ	OKB002	C01L 0KB002	x
3	0R0019	Toroidal Cail CR0019	I
2	aR0020	Toroida! Coil GRO020	Œ
Fe Fe	000048	NL322527-100J	∢
9	XT0113	2SC2873Y TE12L	*
05	XU0148	DTC144EU T106	~
63	XU0148	DTC144EU T106	∢
č	RK4087	ERJ14YJ151V	~
R2	RD0001	ERD S2TJ 100	*
22	RK4029	ERJ-12YJ181H	≺
2	RK4024	ERJ-12YJ680H	∢
22 22	RK3050	ERJ3GSYJ103V	∢
98	RK3050	ERJ3GSYJ103V	~
R7	RK3052	ERJ3GSYJ153V	∢
88	RK3052	ERJ3GSYJ153V	∢
P3	RK3060	ERJ3GSYJ683V	∢
810	RK3062	ERJ3GSYJ104V	~
E	RK3062	ERJ3GSYJ104V	*
R12	FK3062	ERJ3GSYJ104V	∢
R13	RK3050	ERJ3GSYJ103V	*
R14	RK3050	ERJ3GSYJ1 03V	*
R15	RK3063	ERJ3GSYJ124V	∢
R16	RK3048	ERJ3GSYJ682V	~
R17	RK3050	ERJ3GSYJ103V	~
R18	RK3054	ERJ3GSYJ223V	<
R19	FK3048	ERJ3GSYJ682V	∢
R20	RK3050	ERJ36SYJ103V	*
R21	RK3050	ERJ3GSYJ103V	∢
R22	RK3057	ERJ3GSYJ393V	*
R23	RK3074	ERJ3GSYJ105v	∢
R24	RK3057	ERJ3GSYJ393V	~
R25	RK3057	ERJBGSYJ393V	~
R26	RK3062	ERJ36SYJ104V	~

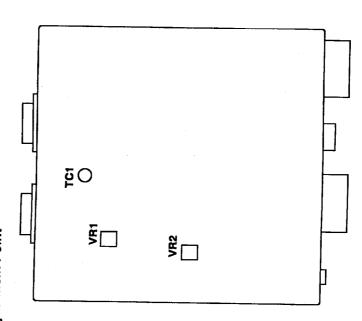
R27 R29 R30 R31 R12 SW12 SW2 SW3 TC1	RK3050 RK0001 RK3026 RK3070 RK3070 RK3070 UL0015 UL0015 UR0013	ERJ3GSYJ103V ERJ6GEYJ100V ERJ3GSYJ101V ERJ3GSYJ101V SWR-12 SWR-12 SWR-12 SWR-12 SWRY101AN-R15 ESD1522209 ECY12W20X64T UV448 300P UV448 300P	
R29 R31 RL1 RL1 RL2 SW1 SW2 VC1	RKC0001 RK3026 RK3070 RK30026 UL0015 UL0015 U00015 UR0013	ERJGGEYJ100V ERJGGSYJ101V ERJGGSYJ101V SVR-12 SVR-12 SVR-12 SPP-22727A SRRY101AN-R15 ESD1522209 ECV17#20X64T UV44B 300P UV44B 300P	
R29 R31 RL1 RL2 SW1 SW2 SW3	RK3026 RK3070 RK3070 RK3026 UL0015 UL0015 UR0015 UR0013	ERJ3GSYJ101V ERJ3GSYJ474V ERJ3GSYJ101V SVR-12 SVR-12 SPP-22727A SRRY101AN-R15 ES0152209 ECV172W20X64T UV44B 300P UV44B 300P	
R30 RL1 RL2 SW2 SW2 TC1 TC1	RK3070 RK3026 UL0015 UL0015 U00015 UR0013	ERJ3GSYJ474V ERJ3GSYJ01V SWR-12 SWR-12 SPPJ2Z7Z1A SRRY101AN*R15 ESD152209 ECY1ZW20X64T UV44B 300P UV44B 300P EVM1YSX50BY4	
RL1 RL2 SW1 SW2 SW3 TC1 TC1	RK3026 UL0015 UL0015 UR0013 US0020	ER.36SY.J101V SVR-12 SVR-12 SVR-12 SP-22272A SRRY101AN-R15 ESD152209 ECV17W20X64T UV448 300P UV448 300P	
RL1 SW1 SW2 SW3 VC1	UL0015 UL0015 UQ0015 UR0013 US0020	SVR-12 SVR-12 SPF-22727A SRRY 101AN-R15 ES01522209 ECV12W20X64T UV448 300P UV448 300P	
SW1 SW3 SW3 TC1 TC1	UL0015 UQ0015 UR0013 US0020	SVR-12 SPP_JZ27Z1A SRRY101Av-R15 ES0152Z209 ECV1ZWZ0X64T UV44B 300P UV44B 300P	
SW2 SW3 TCI TCI	UR0015 UR0013 US0020	SPP_122727A SRRY101AA-R15 ES01522209 ECV12W20X64T UV44B 300P UV44B 300P EVM1YSX50BY4	
S#2 S#3	UR0013 US0020	SRRY101AN-R15 ESD152209 ECV12M20X64T UV44B 300P UV44B 300P	
S#3	020050	ESD152209 ECV1Z#20X64T UV44B 300P UV44B 300P EVMIYSX50BY4	_
101 VC1		ECV12%20X64T UV44B 300P UV44B 300P EVM1YSX508Y4	
L KC	CT0036	UV44B 300P UV44B 300P EVMIYSX50BY4	
200	CV0001	UV44B 30QP EVM1YSX50BY4	_
70	CV0001	EVM1 YSX50BY4	
Y.	RH0105		
VR2	RH0106	EVM1YSX50B04	_
<b>=</b>	UX1089	Wires EDX-1 1	_
#2	UX1090	Wires EDX-1 2	
£#	UX1091	Wires EDX-1 3	
<b>4</b> 4	UX1091	Wires EDX-1 3	
	UP0291	EDX-1 PC Board	
H33	HK3046	ERJ3GSYJ472V	
R32	RK1011	ERJ8GEYJ470V 1 A	_
H32	RK1011	ERJØGEY4470V 1 A	

Paris No.         Paris Name         OT           HK0386A         PACKAGE EDX-1         HK0386A         PACKAGE EDX-1           HV0009D         Pricect. Bag (5x 125x250)         PACKAGE EDX-1           HV0009D         PPICHECT. Bag (5x 250x440)         PACKAGE EDX-1           HV0009D         PATIC CARTONIA/JX70         PATIC CARTONIA/JX70           HV0009D         PATIC CARTONIA/JX70         PATIC CARTONIA/JX70           PROSEB         PATIC CARTONIA/JX70         PATIC CARTONIA/JX70           UGC02D         MATIC CARTONIA/JX70         PATIC CARTONIA/JX70           URD049         EDX I DC CODE         Mochanical Paris           UEC084         M.M. CABLE EDX.1         Mochanical Paris           MA007         SCREW PH W.B. 6+6 Fe/Zn         AA000           AA007         SCREW PH W.B. 6+6 Fe/Zn         AA001           AA007         SCREW PH M.B. 6+6 Fe/Zn         AA001           AA007         SCREW PH M.B. 6+6 Fe/Zn         AA002           AA007         SCREW PH M.B. 6+6 Fe/Zn         AA001           AA007         SCREW PH M.B. 6+6 Fe/Zn         AA001           AA0017         SCREW PH M.B. 6+6 Fe/Zn           AA0017         SCREW PH M.B. 6+6 Fe/Zn           AA0017         SCREW PH M.B. 6+6 Fe/Zn		Packing	
PPCKAGE EDX-1 PPCHECL Bag (5X 125X 250) PPCHECL Bag (5X 125X 250) PPCHECL Bag (5X 125X 250) PMILCCARTON(A)DX70 PMILCCARTON(A)DX70 PMILCCARTON(A)DX70 PMILCCARTON(A)DX70 PMILCCARTON MANUAL EDX1 SERIAL NO. FOR CARTON EDX 10C CODE M-M CABLE EDX1 MACHABLE EDX1 MACHABLE EDX1 MACHABLE EDX1 SCREW HM MAS-6 Fe/Zn SCREW PH MAS-6 Fe/Zn WRETER (KNOB) STAY D&X-00 TERMINAL(GND DX-70) CHASSIS(GENTER) FIX METER CUP FING C FMM.D.R-(4) WINE EDX-1 WI	Parts No.	Parts Name	QTY
Protect. Bag (5x 125x 250) Protect. Bag (5x 125x 250) Protect. Bag (65x 250x 400) PATLICARTON(A)DX70 PATLICARTON(A)DX70 PATLICARTON(A)DX70 PATLICARTON(A)DX70 PATLICARTON PATIS Name  BEDX IDC CODE M-M CABLE EDX1  Mechanical Parts  A SERIAL NO. FOR CARTON BEDX IDC CODE M-M CABLE EDX1  MACABLE EDX1  MACABLE EDX1  MACABLE EDX1  MACABLE EDX1  MACABLE EDX1  A SERIAL NO. FOR CARTON SCREW PH M2.6-6 Fe/Zn SCREW PH M2.6-6 Fe/Zn SCREW PH M2.6-6 Fe/Zn SCREW PH M2.6-6 Fe/Zn SCREW PH M3.6-6 Fe	HK0386A	PACKAGE EDX-1	-
Protect Bag (65x 250x 400) P.MTLCARTON(A)DX70 P.MTLCARTON(A)DX70 NSTRUCARTON MANUAL EDX1 SERIAL NO. FOR CARTON EDX1 DC CODE M.M CABLE EDX1 Mechanical Parts Mechanical Parts M.M. CABLE EDX1 Mechanical Parts M.M. CABLE EDX1  SCREW PH M.E.6.6 Fe/Ln SCREW PH M.E.6.6 Fe/Ln SCREW PH M.E.6.6 Fe/N SCREW PH M.E.6 FE/N T. M.E.6 FE/N T. M.E.6 FE/N T. M.E.6 FE	HP0009	Protect. Bag (5×125×250)	-
P. MTLCARTON(A)DX70 P. MTLCARTON(A)DX70 INSTRUCTON MANUAL EDX1 SERIAL NO. FOR CARTON EDX1 DC CODE M.M. CABLE EDX1 Mechanical Paris Mechanical Paris A SERIAL NO. FOR CARTON EDX1 DC CODE M.M. CABLE EDX1 Mechanical Paris A Serial No. PLATE(NEW) SCREW PH MX.6.6 Fe/Zn SCREW PH MX.6.8 Fe/Zn SCREW PH MX.6.9 Fe/Zn	HP00039	Protect. Bag (65×250×400)	-
P.MTLCARTON(A)DX70 P.MTLCARTON(A)DX70 INSTRUCTON MANUAL EDX1 SERIAL NO. FOR CARTON EDX1 DC CODE M.M CABLE EDX1 MGCHARICAL PARTS Name LABEL(SCREW STKR DX.70) Serial No. PLATE(NEW) SOREW PH MX3.46 Fe/Zn SCREW PH MX3.46 Fe/	HJ0080	P.MTL/CARTON(A)DX70	-
P.MTLCARTON(A)DX70 INSTRUCTON MANUAL EDX1 SERIAL NO. FOR CARTON EDX1 DC CODE M.M CABLE EDX1 MOCHANICAL BATTS Name LABEL(SCREW STKR DX.70) Serial No. PLATE(NEW) SOREW PH MX3.46 Fe/Zn SCREW PH MX3.40 Fe/Zn SCREW PH MX3.40 Fe/Zn SCREW PH MX3.40 Fe/Zn SCREW PH MX3.41	HU0082	P.MTL/CARTON(A)DX70	<del>-</del>
NSTRUCTION MANUAL EDX1 SERIAL NO. FOR CARTON EDX1 DC CODE M-M CABLE EDX1 Mechanical Paris  LABEL(SCREW STKR DX.70) Serial No. PLATE(NEW) SOREW FH M2.6-6 Fe/Zn SCREW PH M3.45 Fe/Zn SCREW PH M2.6-6 Fe/N SCREW PH M3.6-6 Fe	HU0087	P.MTL/CARTON(A)DX70	-
SERIAL NO. FOR CARTON EDX I DC CODE M-M CABLE EDX1  Mechanical Paris  LABEL(SCREW STKR DX-70) Serial No. PLATE(NEW) SCREW FH MX3-6 Fe/Zn SCREW PH MX3-6 Fe/Z	PS0229	INSTRUCTION MANUAL EDX1	-
M-M CABLE EDX1  Mechanical Paris  D. Paris Name  LABEL(SCREW STKR DX.70)  Serial No. PLATE(NEW) SCREW PH M2.6.4 Fe/Zn SCREW PH M2.6.4 Fe/Zn SCREW PH M2.6.4 Fe/Zn SCREW PH M2.6.5 Fe/N SCREW PH M2.6 Fe/N SCREW PH M2.6.5 F	PT0004A	SERIAL NO. FOR CARTON	2
M-M CABLE EDX1  Mechanical Paris  LABEL(SCREW STKR DX.70)  Serial No. PLATE(NEW) SCREW FH M2.6.4 Fe/Zn SCREW PH M2.6.4 Fe/Zn SCREW PH M2.6.4 Fe/Zn SCREW PH M2.6.5 Fe/N SCREW PH M2.6.5 Fe/N SCREW PH M2.6.5 Fe/N SCREW PH M2.6.5 Fe/N SCREW PH M2.6.5 Fe/Zn SCREW PH M2	UA0049	EDX1 DC CODE	-
Mechanical Paris  O. Paris Name  LABEL(SCREW STKR DX.70)  Serial No. PLATE(NEW) SCREW FH M2.6.6 Fe/Zn SCREW PH M3.48 Fe/Zn SCREW PH M3.48 Fe/Zn SCREW PH M2.6.6 Fe/Zn SCREW PH M2.6.6 Fe/Zn SCREW PH M2.6.6 Fe/Zn SCREW PH M2.6.8 Fe/Zn SCREW PH M2.6.8 Fe/Zn METER KL284.6.5 DIAL PAT REAR CASE FRONTCASE BOTTOM COVER DX.70 UPPERCASE EDX.1 SUBDIAL EDX.1 DIAL DX.701 SW KNOB(PS) CIRCLE LABEL (KNOB) STAY D6×80 TERMINAL(GND DX.70) CHASSIS(RIGHT) CHASSIS(FIF) CHASSIS(CENTER) FK METER CUP RING C FM.M.D.R.(4) CONNECTOR SRRY101AN.R1.5 WIRE EDX.1 W2	UE0264	M-M CABLE EDX1	-
O. LABEL(SCREW STKR DX-70)  Seriar No. PLATE(NEW) SCREW FH M2.6.4 Fe/Zn SCREW PH M3.48 Fe/Zn SCREW PH M3.48 Fe/Zn SCREW PH M2.6.4 Fe/Zn SCREW PH M2.6.4 Fe/Zn SCREW PH T2.6.4 Fe/Zn SCREW PH T2.6.4 Fe/Zn SCREW PH T3.6 Fe/Zn SCREW PH T3.6 Fe/Zn SCREW PH M2.6.4 Fe/Zn SCREW PH M2.6.4 Fe/Zn SCREW PH M2.6.4 Fe/Zn WASHER PW 4X 10X 0.8 Fe/Zn METER KL284455 DIAL PAT REAR CASE FRONTCASE BOTTOM COVER DX-70 UPFERCASE EDX-1 SUBDIAL EDX-1 DIAL DX-701 SW KNOB(PS) CIRCLE LABEL (KNOB) STAY D6×60 TERMINAL(GND DX-70) CHASSIS(RETT) CHASSIS(RETT) CHASSIS(CENTER) FIX METER CUP RING C FM.M.D.R.(4) WINE EDX-1 W1 WINE EDX-1 W2		Mechanical Parts	
LABEL(SCREW STKR DX.70) Serial No. PLATE(NEW) SCREW FH MZ.64.6 Fe/Zn SCREW PH M3.8 Fe/Zn SCREW PH M3.8 Fe/Zn SCREW PH M3.8 Fe/Zn SCREW PH M2.65 Fe/Zn SCREW PH T2.65 Fe/N SCREW PH T2.65 Fe/N SCREW PH T2.65 Fe/Zn SCREW PH M2.65.6 Fe/Zn WASHER PW 4X 10X 0.8 Fe/Zn METER KL284.55 DIAL PAT REAR CASE FRONTCASE BOTTOM COVER DX.70 UPFERCASE EDX.1 SUBDIAL EDX.1 DIAL DX.701 SW KNOB(PS) CIRCLE LABEL (KNOB) STAY D6X 60 TERMINAL(GND DX.70) CHASSIS(REFT) CHASSIS(REFT) CHASSIS(REFT) CHASSIS(RETR) FX METER CUP FING C FM.M.D.R.(4) CONNIECTOR SRRY101AN.R15 WIRE EDX.1 W2	Parts No.	Parts Name	QTY
SCREW FH M2646 FE/Zn SCREW PH M346 FE/Zn SCREW PH M346 FE/Zn SCREW PH M346 FE/Zn SCREW PH M346 FE/Zn SCREW PH M2646 FE/Zn SCREW PH T2646 FE/Zn SCREW PH T2646 FE/Zn WASHER PW 4X 10X 0.8 FE/Zn WASHER PW 4X 10X 0.8 FE/Zn METER KL284455 DIAL PAT REAR CASE FRONTCASE BOTTOM COVER DX-70 UPFERCASE EDX-1 SUBDIAL EDX-1 DIAL DX-701 SW KNOB(PS) CIRCLE LABEL (KNOB) STAY D6X 60 TERMINAL(GND DX-70) CHASSIS(REFT) CHASSIS(REFT) CHASSIS(REFT) CHASSIS(REFT) CHASSIS(RETR) FX METER CUP RING C FM M.D.R-(4) CONNIECTOR SRRY101AN-R15 WIRE EDX-1 W2	PH0288	LABEL(SCREW STKR DX-70)	2
SCREW FH MZ646 Fe/Zn SCREW PH M348 Fe/Zn SCREW OH M2546 Fe/BZn SCREW DH M2646 Fe/BZn SCREW PH/D M410 Fe/Zn SCREW PH/D M410 Fe/Zn SCREW PH T246 Fe/Zn SCREW PH T246 Fe/Zn WASHER PW 4X 10X 0.8 Fe/Zn WASHER PW 4X 10X 0.8 Fe/Zn METER KL284455 DIAL PAT REAR CASE FRONTCASE BOTTOM COVER DX-70 UPFERCASE EDX-1 SUBDIAL EDX-1 SUBDIAL EDX-1 SUBDIAL EDX-1 SW KNOB(PS) CIRCLE LABEL (KNOB) STAY D6X 60 TERMINAL(GND DX-70) CHASSIS(REFT) CHASSIS(REFT) CHASSIS(CENTER) FX METER CUP RING C FM M.D.R-(4) CONNIECTOR SRRY101AN-R15 WIRE EDX-1 W2	DS03898A	Serial No. PLATE(NEW)	-
SCREW PH M348 Fe/Zn SCREW OH M2546 Fe/B.Zn SCREW DH M2646 Fe/B.Zn SCREW PH/D M4+10 Fe/Zn SCREW PH T246 Fe/Zn SCREW PH T246 Fe/Zn WASHER PW 4X 10X 0.8 Fe/Zn WASHER PW 4X 10X 0.8 Fe/Zn METER KL284455 DIAL PAT REAR CASE FRONTCASE BOTTOM COVER DX-70 UPFERCASE EDX-1 SUBDIAL EDX-1 DIAL DX-701 SW KNOB(PS) CIRCLE LABEL (KNOB) STAY D6X 60 TERMINAL(GND DX-70) CHASSIS(REFT) CHASSIS(REFT) CHASSIS(CENTER) FX METER CUP RING C FM M.D.R-(4) CONNECTOR SRRY 10 I AN R1 15 WIRE EDX-1 W1	AA0007	SCREW FH M2.6+6 Fe/Zn	4
SCREW OH MZ 8.46 Fe/B.Zn SCREW BH MZ6.46 Fe/B.Zn SCREW PH/D MA+10 Fe/Zn SCREW TH T2.6.46 Fe/Zn SCREW PH T3.46 Fe/Zn WASHER PW 4X 10X 0.8 Fe/Zn WASHER PW 4X 10X 0.8 Fe/Zn METER KL284.455 DIAL. PAT REAR CASE FRONTCASE BOTTOM COVER DX.70 UPFERCASE EDX.1 SUBDIAL EDX.1 DIAL DX.701 SW KNOB(PS) CIRCLE LABEL (KNOB) STAY D6X 60 TERMINAL(GND DX.70) CHASSIS(REFT) CHASSIS(REFT) CHASSIS(RETR) FX METER CUP RING C FM.M.D.R.(4) CONNECTOR SRRY101AN.R15 WIRE EDX.1 W2	AA0017	SCREW PH M3+8 Fe/Zn	4
	AA50	SCREW OH M2.6+6 Fe/B.Zn	4
	AA0059	SCREW BH M2.6+6 Fe/Ni	4
	AD0005	SCREW PH/D M4+10 Fe/Zn	_
	AJ0017	SCREW TH T2.6+6 Fe/N	2
	AJ0029	SCREW PH T3+6 Fe/Zn	4
	AP0001	SCREW PH M2.6+8 Fe/Zn	8
	AZ0018	WASHER PW 4×10×0.8 Fe/Zn	-
	EM0029	METER KL284A55	-
	FG0200	DIAL PAT	2
	KB0061	REAR CASE	-
	KM0196	FRONTCASE	-
	KZ0031	BOTTOM COVER DX-70	-
	KZ0034	UPPERCASE EDX-1	-
	K20041A	SUBDIAL EDX-1	-
	K20042	DIAL DX-701	2
	NS0005	SW KNOB(PS) CIRCLE	-
	PR0292	LABEL (KNOB)	-
	SA0018	STAY D6×60	က
	SP0008	TERMINAL(GND DX-70)	2
	SS0070A	CHASSIS(LEFT)	-
	SS0071A	CHASSIS(RIGHT)	-
	SS0072A	CHASSIS(CENTER)	-
	ST0054	FIX METER	4
	T20065	CUP RING C	က
	UE0258	FM-M.D.R-(4)	7
	UR0013	CONNECTOR SRRY101AN-R15	-
_	UX1089	WIRE EDX-1 W1	<b>~</b>
	UX1090	WIRE EDX-1 W2	-

## Connection Example



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# Required Test Equipment for EDX-1

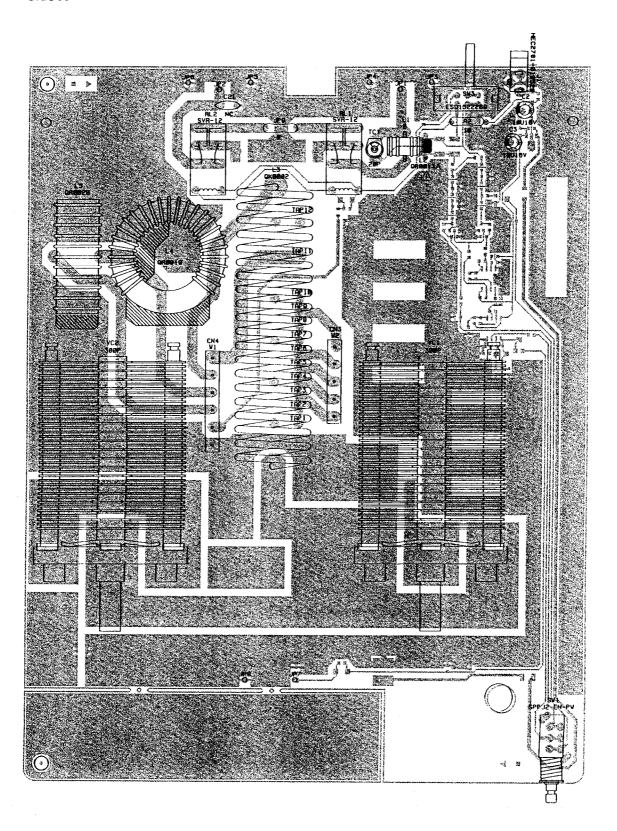
NO XT	BAND	SWR	METER	TX TUNE	ANT TUNE	METER	LIND
14.1MHz 100W	8.	NO	I	10	10	8	SWR
14.1MHz 100W	THRU	OFF	I	1	ı	100W	PWR
14.1MHz 10W	THRU	OFF	٦	1		10W (100W on scale)	PWR
1.9MHz 100W	1.8	NO	Ξ	4	4	1.5max.	SWR
3.6MHz 100W	3.5	N O	I		7	1.5max.	SWR
7.1MHz 100W	7	NO	π	9	9	1.5тах.	SWR
10.1MHz 100W	10	NO	Ι	7.5	7.5	1.5тах.	SWR
14.1MHz 100W	14	NO	I	80	8	1.5тах.	SWR
18.1MHz 100W	18	NO	I	8.5	8.5	1.5max.	SWR
21.1MHz 100W	21	NO	Ξ	o	6	1.5max.	SWR
24.9MHz 100W	24	NO	I	o	6	1.5max.	SWR
28.1MHz 100W	58	NO	Ξ	o	o	1.5max.	SWR

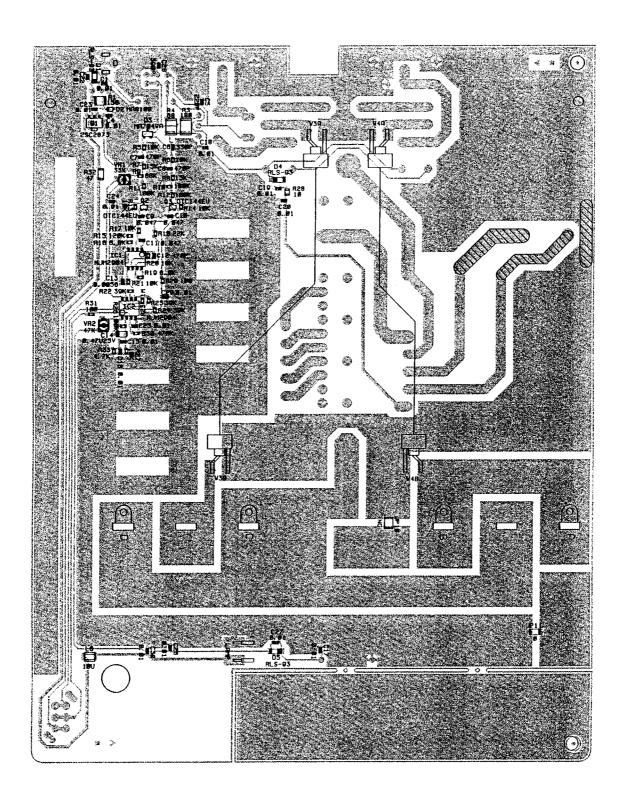
## Adjustment for EDX-1

		מא	DX-70 TX FR	TX FREQ. 14.1MHz TX POWER 100W		
BAND	SWR	METER	TX TUNE	ANT TUNE	ADJUST POINT	METER
THRU	NO	Ŧ	l		TC 1	MIN
1.8	N <sub>O</sub>	Ŧ.	10	10	VR2	8
тнво	OFF	Τ	i	l	VR1	100W

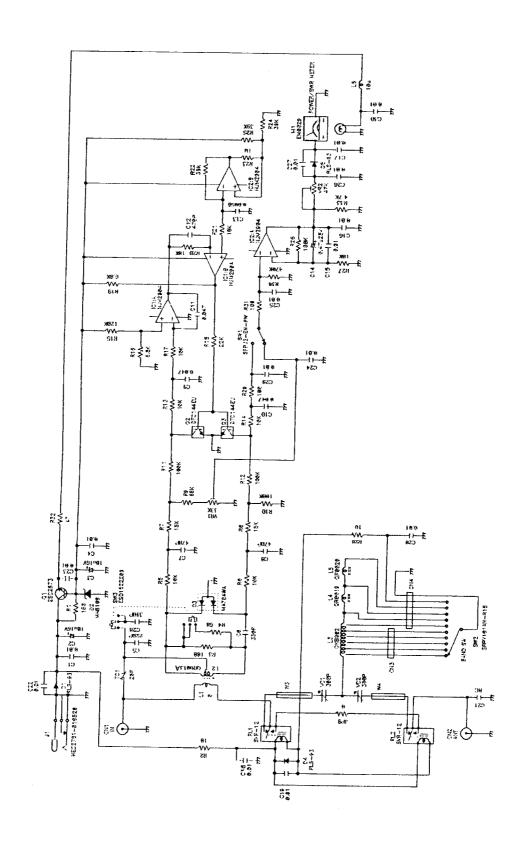
### PC Bord View for EDX-1

Side A





### Schematic Diagram for EDX-1



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