FRG-100

Technical Supplement

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Contents

This manual provides technical inf ormation necessary for servicing the FRG-100 genral coverage communications receiver. It does not include information on specifications, installation, and Operation, which are described in the FRG-100 Operating Manual, provided with each receiver, or on FRG-100 accessories, which are described in manuals provided with each.

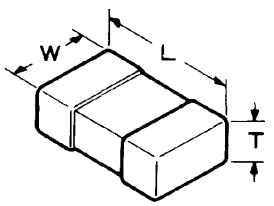
Servicing 'this equipment requires expertise in handling surface-mount components. Attempts by non-qualified persons to Service this equipment may result in permanent damage not covered by the warranty.

While we believe the technical information in this manual to be correct, Yaesu assumes no liability for darnage that may occur as a result of typographical or other errors that may be present. Your cooperation in pointing out any inconsistencies in the technical information would be appreciated.

Yaesu Musen reserves the right to make changes in this receiver and the alignment procedures, in the interest of technological improvement, without notification of the 0 wners.

The diagrams below indicate some of the distinguishing features of common chip components.

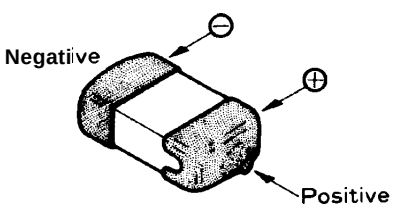
Ceramic Capacifors



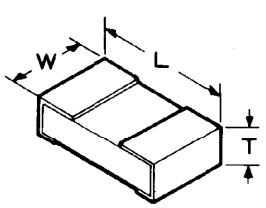
(Unit : mm)

Type	L	W	T
3216	3.2	1.6	0.45~0.60
2125	2.0	1.25	0.35~0.50
1608	1.6	0.8	0.65~0.95

Tantalum Capacifors



Resistors



Type	L	W	T
1/10	2.0	1.25	0.45
1/16	1.6	0.8	0.45

INDICATED LETTERS

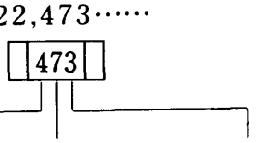
1 2 3 4

5 6 7 8

9 0 .

Type RMC 1/10W,1/16W

Marking* 100,222,473·····



0	0	10^0
1	1	10^1
2	2	10^2
3	3	10^3
4	4	10^4
5	5	10^5
6	6	10^6
7	7	10^7
8	8	10^8
9	9	10^9

Examples :

100 = 10Ω

222 = 2.2kΩ

473 = 47kΩ

Chip Component Information

Replacing Chip Components

Chip components are installed at the factory by a series of robots. The first one places a small spot of adhesive resin at the location where each part is to be installed, and later robots handle and place parts using vacuum suction.

For single sided boards, solder paste is applied and the board is then baked to harden the resin and flow the solder. For double sided boards, no solder paste is applied, but the board is baked (or exposed to ultra-violet light) to cure the resin before dip soldering.

In our laboratories and Service shops, small quantities of chip components are mounted manually by applying a spot of resin, placing with tweezers, and then soldering by very small dual streams of hot air (without physical contact during soldering). We remove parts by first removing solder using a vacuum suction iron, which applies a light steady vacuum at the iron tip, and then breaking the adhesive with tweezers.

The special vacuum/desoldering equipment is recommended if you expect to do a lot of chip replacements. Otherwise, it is usually possible to remove and replace chip components with only a tapered, temperature-controlled soldering iron, a set of tweezers and braided copper solder wick. Soldering iron temperature should be below 280" C (536° F).

Precautions for Chip Replacement

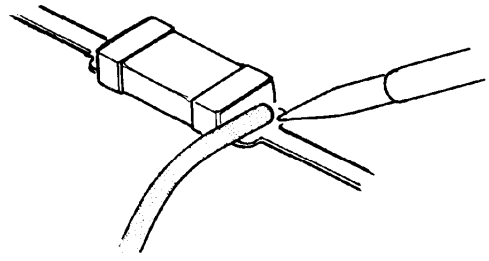
DO not disconnect a chip forcefully, or the foil Pattern may peel off the board.

Never re-use a chip component. Dispose of all removed chip components immediately to avoid mixing with new parts.

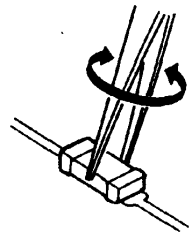
Limit soldering time to 3 seconds or less to avoid damaging the component and board.

Removing Chip Components

❒ Remove the solder at each joint, one joint at a time, using solder wick whetted with non-acidic fluxes as shown below. Avoid applying pressure, and do not attempt to remove tinning from the chip's electrode.



❒ Grasp the chip on both sides with tweezers, and gently twist the tweezers back and forth (to break the adhesive bond) while alternately heating each electrode. Be careful to avoid peeling the foil traces from the board. Dispose of the chip when removed.

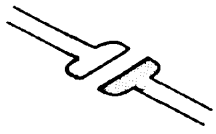


❒ After removing the chip, use the copper braid and soldering iron to wick away any excess solder and smooth the land for installation of the replacement part.

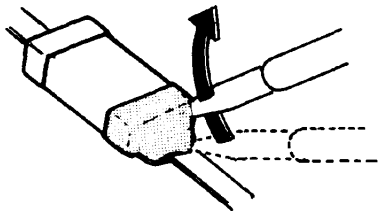
Installing a Replacement Chip

As the value of some chip components is not indicated on the body of the chip, be careful to get the right part for replacement.

❒ Apply a small amount of solder to the land on one side where the chip is to be installed. Avoid too much solder, which may cause bridging (shorting to other parts).



❒ Hold the chip with tweezers in the desired Position, and apply the soldering iron with a motion line as indicated by the arrow in the diagram below. Do not apply heat for more than 3 seconds.



❒ Remove the tweezers and solder the electrode on the other side in the manner just described.

Main Unit

❒ Turn off the receiver and disconnect all cables.

❒ Place the set on a stable work surface, and remove the 8 screws affixing the top cover (Figure 1).

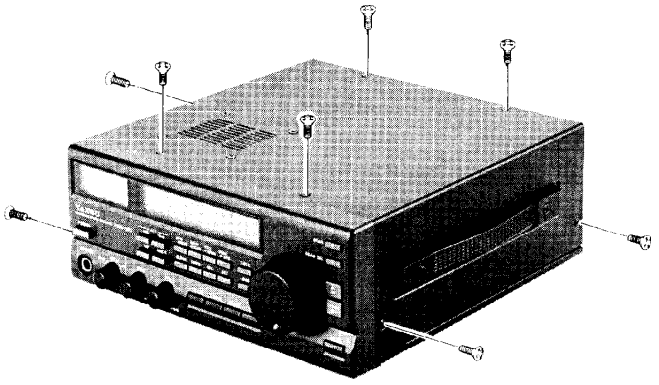


Figure 1.

❒ Carefully remove the top cover, paying special attention to the wire connecting the loud speaker to the main unit. The plug can be removed from the socket on the main board if desired (remember to reconnect before attaching the top cover again).This exposes the component side of the Main Unit.

❒ To remove the main unit, remove the 8 screws affixing the unit and the screws affixing the antenna terminal and **EXT DC** connector on the rear panel (Figure 2).

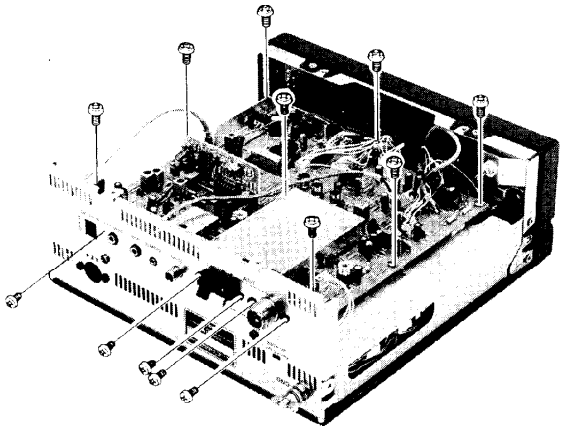


Figure 2.

Local Unit

❒ To access the local unit, remove the 8 screws affixing the bottom cover (Figure 3).

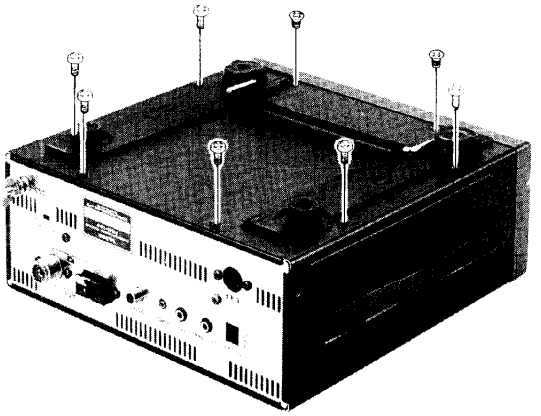


Figure 3.

0 To remove the local unit, remove the 7 screws affixing the unit, and the 2 screws used on the CAT connector on the rear panel. This exposes the component side of the Local Unit (Figure 4).

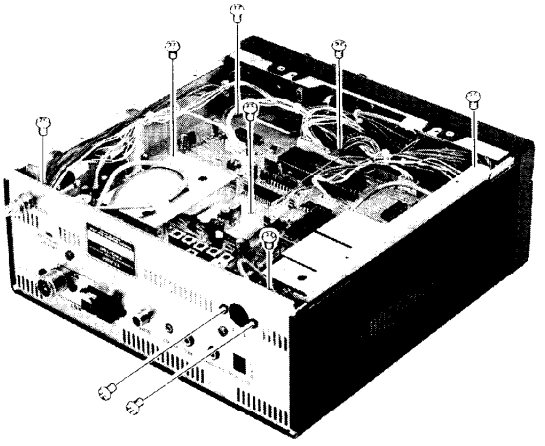


Figure 4.

Case Disassembly & Circuit Board Access

Display Unit

❒ To access the Display Unit (including potentiometer, squelch, rotary encoder and headphone jack), remove both the top and bottom covers as previously described, then remove the 2 *middle* screws from both edges on each side of the display unit (Figure 1).

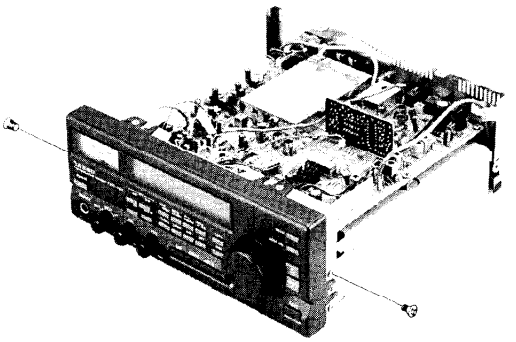


Figure 1.

❒ Next *loosen* the 2 remaining screws Gently pull the unit away from the Chassis and fold it down (Figure 2).

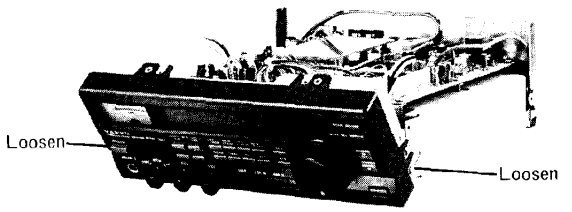


Figure 2.

❒ To remove the Display Unit, slightly *loosen* the hex nut affixing the main dial (do *not unscrew* it!) and pull it off, then remove the 2 screws located underneath (Figure 3).

❒ Gently pull off the **VOL, SQL** and **MEM** knobs, then remove the 4 screws (2-each, top & bottom) attaching the front panel to the display unit Chassis.

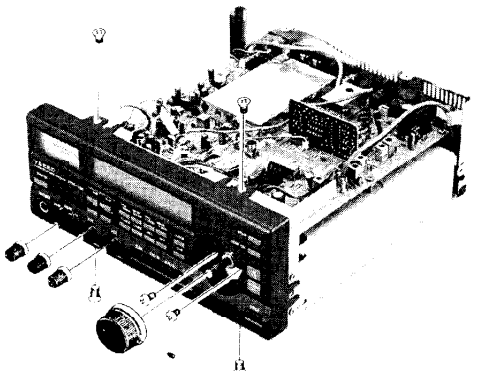


Figure 3.

0 Remove the wiring connectors from the **SQL** and **VOL** controls on the rear of the Display Unit.

❒ Gently press in the plastic catch which mates with the tab on the Display Unit circuit board to release and lower the front panel (Figure 4).

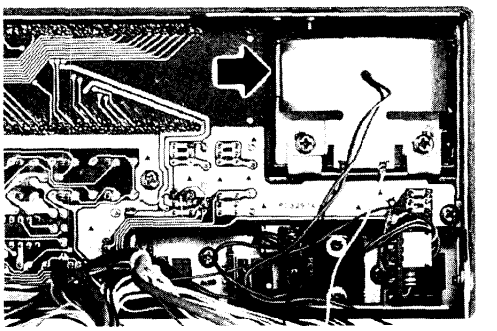


Figure 4.

❒ Next, using a small flat screwdriver, gently pry out and remove the wiring connector from the back of the **MEM** knob, then remove the front panel.

0 Gently pull the **POWER, ATT** (2pcs.), NB, and **AGC** buttons out from the panel. Then remove the spring screw, nylon washer, threaded brass collar and washer affixing the rotary encoder shaft to the Chassis.

0 Remove and the 6 screws aff ixing the Display Unit circuit board to the Chassis (Figure 5).

0 Last, carefully remove the three wiring connectors from the bottom edge of the Display Unit circuit board to free the unit.

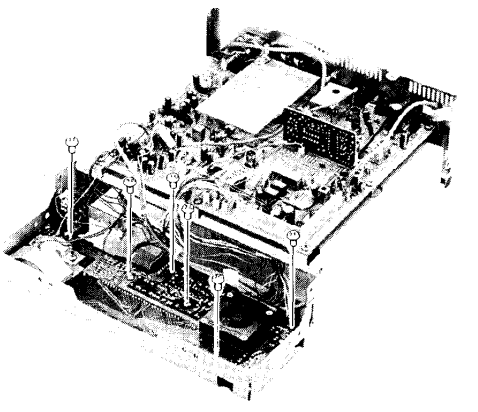
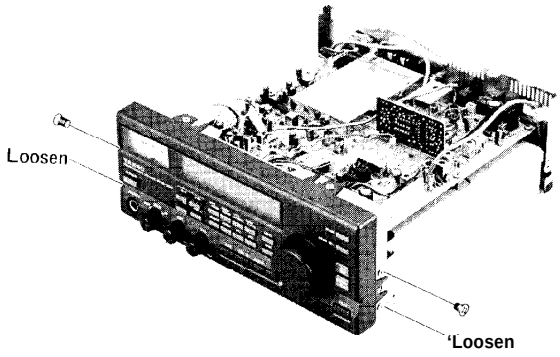


Figure 5.

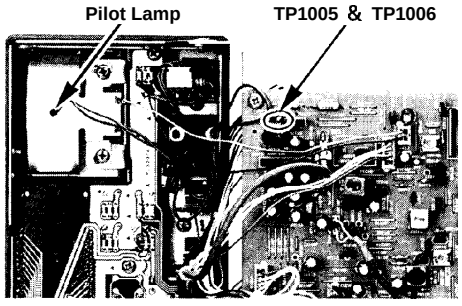
Pilot Lamp Replacement

❒ Disconnect all cables and remove the top and bottom covers as previously described.

❒ Remove the 2 middle screws from both edges of the display unit and *loosen* the 2 lower screws at the edge of each side.

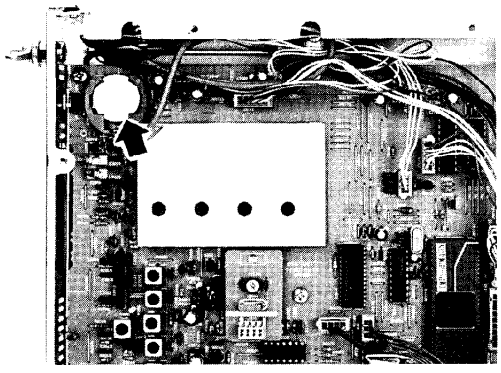


❒ Locate the pilot light then pull it out from it's grommet, trace the two blue wires leading from the bulb to TP1005 & TP1006 on the corner of the circuit board as shown below. Carefully unsolder these wires to remove the lamp and resolder the replacement lamp assembly (polarity of the wires is not important).



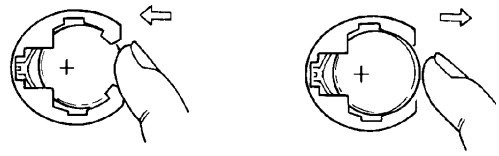
Battery replacement

The lithium backup battery can be replaced by removing the bottom cover (as previously described). Battery location is shown below.



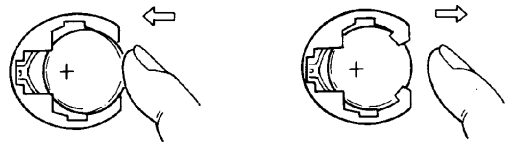
To change the backup cell, use your fingers to remove the old cell from it's holder (do not grab it with metal tweezers or pliers, as that could short it out). Replace only with Sony lithium type CR2032 (Yaesu Part No. Q900564), or equivalent .

Removing Lithium Cell



Slide cell inward, then pry up to eject

Inserting Replacement Battery



Slide battery downward through slot, then inward and release

Resetting the microprocessor

Functional problems involving frequency, mode and memory selection can sometime be resolved by simply resetting the microprocessor. There are two ways to reset the CPU in the FRG-100, both of which clear the contents of all memories, leaving them at the factory defaults.

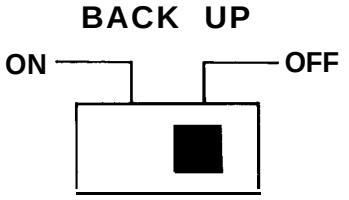
Soft Reset

The procedure relies on a ROM routine which should normally suffice to correct most operating malfunctions.

❒ Turn the receiver off, then hold the **MEM CLEAR** button while switching the receiver back on. If the problem still persists, proceed to the hard reset.

Hard Reset

❒ Turn the receiver off, then disconnect the DC power Source. Turn the **BACK UP** switch on the rear panel to **OFF.** Reconnect the DC power Source, then turn the receiver back on.



BACK UP SWITCH

This description, together with the block diagram, is intended to provide a general understanding of the electrical functions of the circuits of the FRG-100. Such an understanding is necessary for troubleshooting the receiver. Refer to the schematics diagrams and parts lists for specific component and wiring details.

Front-End Stages

Incoming RF from the antenna jack is delivered to the main unit after passing through a 9:1 impedance transformer Tl004 (if **HI-Z** antenna is selected using the rear-panel switch) and surge suppresser D1005, which removes high voltage electrostatic pulses which might otherwise darnage components in the front-end. It is then low-pass filtered and attenuated (if enabled). The received signal is then impedance transformed by transformer T1018, then band-pass filtered to suppress intermodulation by Signals from other bands. The correct bandpass filter is selected by BCD control Signals from the PLL unit, and decoded by Q1032 (SN74LS145N). The signal is then once again impedance transformed by T1005, before entering the 1st mixer stage.

The signal then enters the balanced 1st mixer, consisting of Q1009/Q1013 (2SK125X2), along with the 1st local oscillator output from the local unit (47.260 ~ 77.210 MHz) which has been amplified by Q1006 (2SC2053), and low-pass filtered by C1014, L1005, C1013, L1004, and C1012. The resulting 47.21 MHz 1st mixer product passes through monolithic crystal filters XF1001 and XF1002 (± 20 kHz BW) where other unwanted mixer products are stripped away to produce the filtered 1st IF Signal.

IF Stages

The filtered 1st IF signal is then amplified by Q1011(3SK179), and applied to balanced 2nd mixer Q1010 & Q1012 (2SK302x2), which also receives the 2nd local signal generated from 46.775 MHz crystal X2002 and amplified by Q1008 (2SC2620), to produce the 455 kHz 2nd IE When FM Operation is selected, a portion of this 455 kHz product of the 2nd mixer is buff er-amplified by Q1038 and delivered to the optional FM UNIT-1 **00** for detection(when installed) For other modes, the 455 kHz signal is passes through the noise blanker gate (D1009, D1010 & D1014) and is then filtered by ceramic filters CF1 001, CF1002, or CF1 003 (depending on selected mode) where other products are stripped away

Final IF amplification is provided by Ql018, QlO17, and Q1016 (3SK131-V12) before the signal is applied to buffer amplifier Q1016 (3SK131-V12) and then enters detection circuitry.

For SSB and CW modes, the amplified IF signal is applied to the product detector consisting of D1033, D1038, D1039, and D1040 (1SS198x4). Here, it is mixed with the appropriate BFO(carrier) signal for either LSB, CW or USB from the DDS unit, having been buffered by Q1028. The detected signal then passes through a LPF consisting of R1129 and Cl141 before delivery to analog switch Q1023-4. The signal enters the active filter Q1026-1, which functions as a low pass filter for audio before delivery to analog switch Q1501.

For AM reception, another buffered output from the 2nd IF is detected by D1032, the output of which serves as both the detected AM signal and AGC. This signal then passes through the LPF formed by R1208 and Cl130 before delivery to analog switch Q1023-3 and on for audio amplification.

Aud io Amp lif iers

The low level detected audio in all modes pass through mute switch Q1023-1(when not muted by the squelch control lines), and then buffer amplifier Q1026-2. The signal passes through another mute circuit Q1031 & Q1046 (DTC144EK) and is mixed with beeper audio from the microprocessor having passed through the LPF and VR1005. The mixed audio is amplified by Q1034 (TDA2003H) to drive a 4 ~ 8 Ω loudspeaker or headphone. The output from Q1034 is controlled by **VOL**

Potentiometer VR3601 located on the VR Unit. A sample of the pre-amplified audio @ 600 Ω is also delivered to the **REC** jack on the rear panel.

Noise Blanker & AGC Circuit

In the AM, SSB and CW modes, when the noise blanker is on, a portion of the 455 kHz 2nd IF signal is tapped from the output of T1011, then passes through noise blanker amplifiers Q1004 & Q1005 (3SK131-V12), and detected by D1003 & D1004, then fed back to the amplifiers Q1004 & Q1005, controlling their gain. The response time of this loop is designed so that noise pulses detected at D1003 &D1004 produce a strong DC pulse for the duration of each RF noise pulse. This DC blanking signal is returned to the noise blanking gate Controller (D1009, D1010 & D1014), switching them off during the noise pulse and preventing the 2nd IF signal from reaching the narrow IF filters while the noise is present.

Receiver AGC is provided for all modes, with a selectable fast or slow decay. The output signal from buffer amplifier Q1019 is rectified by AGC detector D1026 and D1027 (1SS198x2), and then delivered to AGC amplifier Q1020 (2SC2712). The signal is processed by Q1015 (2SJ125), then amplified again by Q1014-1 and delivered to Q1011, Q1018, and Q1017 to control amplifier gain, S-meter and squelch level.

PLL Frequency Synthesizer

The PLL section on the Local Unit consists of Main Loop, DDS and the 2nd local oscillator circuitry. The PLL IC Q2030 (CX-7925B) contains a reference oscillator / divider, serial-parallel data latch, programmable divider, and a phase comparator.

1st Local Signal Generation

The 1st local signal (47.260 ~ 77.210 MHz) is generated by PLL Synthesis under control of CPU on the Local Unit. In the main loop, one of VCOs Q2015~Q2018 is activated by the CPU and selected via Q2040 (M54564P) according to the frequency of Operation. The output of the selected VCO is buffered by Q2045 (2SK192) and Q2011 (2SC535) before delivery to mixer Q2012 (υΠX1037H). This signal is then mixed with the DDS signal and low-pass filtered, buffered by Q2021 (2SK192) and amplified by Q2024 (2SC535) before being returned to PLL IC Q2030.

In the main divider / phase comparator section of PLL IC, the VCO signal is divided by 128, according to a control signal (serial divider programming data) from the CPU to produce 83. .92 kHz.

This signal is then applied to the phase detector section for phase-comparison with the 10.4875 MHz reference signal from the OSC **UN IT. Any** phase difference between the two signal will produce a 5-V pulsed-DC output with pulse duration depending on the phase difference. This pulse train is converted to DC by charge pump Q2025 (2SK184) and Q2023 (2SC732), and low-pass filtered to produce the varactor control voltage (VCV), and then is applied to the varactor D2002 ~ D2005 (1SV103x4) in the selected VCO to cause the VCO oscillating frequency to be phase-locked to the 10.4875 MHz reference.

The PLL local signal for Loop 1 is the product of either Loop 1 Local Mixer (Q2012), or the product of the output of this mixer further mixed with the 10.4875 crystal reference signal, according to the band of Operation.

2nd Local Signal Generation

A portion of 2nd local oscillator signal (46.755 MHz), which is derived from Q2031 (2SK192) / X2002, is delivered to mixer Q2028 (SN16913), it also is applied to the 2nd local amplifier (on the main unit) after attenuation and passing through the LPF formed by L2023, C21.46 & C2147.

The sampled reference signal (10.48576 MHz), which is generated by Q2030, is halved by frequency divider Q2032-2. The output from the divider (5.24288 MHz) is low-pass filtered, then mixed with the DDS output (286.16 ~ 368.07 kHz) in mixer Q2034 (SN1 6913), which is also controlled by the MPU. The output from Q2034 is band-pass filtered (5.57 MHz) by CF2001 before delivery to mixer Q2028 (SN16913) along with the 2nd local Signal. The mixer product is band-pass

filtered before amplification by Q2019 (2SC535), and then applied to the mixer of the main loop Q2012 (uPC1037H) as a sub-loop signal.

Although the reference frequency of the main loop is 81.92 kHz, a 10 Hz receiving frequency step is obtained by mixing a sub-loop signal with the main loop. The VCO is thus phase-locked to the reference Signal.

Miscellaneous Con trol Logic

Band selection for the PLL Loop 1 Local signal is provided from the CPU by encoder Q2005 (M14558CP) and switch driver Q2040 (M54564P). Whenever either VCO Loop becomes unlocked, and unlock line (from pin 8 of Q2030) controlled by Q2027 (BA1A4P) signals the CPU, which then mutes receiver audio and blinks the display until the PLLs resume lock.

The MPU provides band (BPF) selection on the Main Unit via latch Q1032(SN74LS145N), and mode/filter selection using switching gates Q1023-2~Q1023-4 and Q1054.

Rotary encoded tuning data from the main dial is processes by dial counter Q2044 (FQ7924), and transferred to the MPU via an S-bit data bus. Q2041 contains a real-time clock with reference oscillator crystal.

The FRG-100 is carefully designed to allow the knowledgeable Operator to make nearly all adjustments for various Station conditions, modes and Operator preferences simply from the controls on the front and rear panels, without having to open the case of the transceiver. The FRG-100 Operation manual describes these adjustments, plus certain internal settings.

The following procedures cover the sometimes critical and tedious adjustments that are not normally required once the transceiver has left the factory. However, if darnage occurs and some parts subsequently are replaced, realignment may be required. If a sudden problem occurs during normal operation, it is likely due to component failure; realignment should not be done until after the fault component has been replaced.

We recommend that servicing be performed by authorized Yaesu Service technicians, experienced with the circuitry and fully equipped for repair and alignment. So, if a fault is suspected, you should contact the selling dealer for instructions regarding repair. Authorized Yaesu Service technicians have the latest modification information, and realign all circuits and make complete performance checks to ensure compliance with factory specifications after replacing faulty components.

Those who do undertake any of the following alignments are cautioned to proceed at their own risk. Problems caused by unauthorized attempts at realignment are not covered by the warranty policy. Also, Yaesu must reserve the right to change circuits and alignment procedures in the interests of improved Performance, without notifying owners.

Under no circumstances should any alignment be attempted unless the normal function and Operation of the receiver are clearly understood, the cause of the malfunction has been clearly pinpointed and any faulty components replaced, and the need for realignment determined to be absolutely necessary.

The following test equipment (and thorough familiarity with it's correct use) is necessary for complete realignment. Correction of the problems caused by misalignment resulting from use of improper test equipment is not covered under the warranty policy. While most steps do not require all of the equipment listed, the interactions of some adjustments may require that more complex adjustments be performed afterwards. Do not attempt to perform only a single step un less it is clearly isolated electrically from all other steps. Rather, have all test equipment ready before beginning, and follow all of the steps in a section in the order they are presented.

❒ Digital DC Voltmeter

❒ RF Millivoltmeter

❒ AF Millivoltmeter

❒ RF Standard Signal Generator/calibrated output and dB scale, 0 dBμ=0.5 μV

❒ Frequency Counter

0 FM Unit-100

0 SINAD Meter

Alignment Preparations & Precautions

❒ Except where specified otherwise, the receiver should be tuned to 14.2 MHz, and the following controls set as indicated;

0 all buttons off

0 all knobs fully CCW (minimum)

After completing one step, read the following step to determine whether the same test equipment will be required. If not, remove the test equipment before proceeding.

Correct alignment requires that the ambient temperature be the same as that of the receiver and test equipment, and that this temperature be held constant between 20 and 30° C (68 - 88° F). If the receiver is brought into the shop from hot or cold air it should be allowed some time for thermal equalization with the environment before alignment.

Alignments must only be made with the oscillator shields and circuit boards firmly in

place. Only one extender board (if optional) should be installed at a time for access to the board being aligned. Also, the test equipment must be thoroughly warmed up before beginning.

Note: Signal levels in dB referred to in alignment are based on 0 dBμ=0.5μV.

Table note: DC voltages should be within ±10% of those listed in the voltage tables.

Local Unit

(1) Ref erence Oscillator

❒ Connect the frequency counter to TP2005.

❒ Adjust TC2701 for 10.485760 MHz ± 5 Hz.

❒ If the TCXO is installed, confirm 10.485760 MHz ±5 Hz on the counter.

(2) 2nd Local Oscillator

❒ Connect a 50-Ω resistor in parallel with the frequency counter across the socket J2011.

❒ Adjust T2004 for 46.755 MHz ±600Hz on the counter.

0 Replace the counter with the RF millivoltmeter, and confirm at least 45 mVrms.

0 Connect the RF millivoltmeter to TP2001, and adjust T2001, T2002, and T2003 for maximum indication (at least 60 mVrms) on the meter.

(3) vco

VCO1 and 2

0 Tune the receiver to 3.999 MHz and select USB mode.

0 Connect the DC Voltmeter to TP2002 (while adjusting VCOs, connect the DC Voltmeter to TP2002)

0 Adjust L2003 for 7.0 ± 0.1 V.

❒ Confirm the voltage as shown below.

Frequency (MHz)	Volts DC
0.050	0.9 ~ 1.4
4.000	1.4 ~ 1.9
7.999	6.0 ~ 7.0

vco3

0 Tune the receiver to 14.499 MHz in USB mode.

0 Adjust L2005 for 7.0 V ti.l V.

0 Tune the receiver to 8.00 MHz, and confirm 1.1 to 1.6 V on the meter.

vco4

0 Tune the receiver to 21.999 MHz in USB mode.

0 Adjust L2006 for 7.0 V fl.1 V.

❒ Tune the receiver to 14.500 MHz, and confirm 0.8 to 1.3 volts on the meter.

vco5

0 Tune the receiver to 30.000 MHz in USB mode.

❒ Adjust L2007 for 7.0 V ±0.1 V.

❒ Tune the receiver to 22.000 MHz, and confirm 1.4 to 1.9 V on the meter.

Main Unit

(1) 2nd Local Amplifier

❒ Connect the RF millivoltmeter to TP1003.

0 Adjust Tl003 on the local unit for maximum (at least 500 mV) on the meter.

(2) IF Werstage Transformer

0 Install the FM Unit (Option) to the Main Unit, and select FM mode.

❒ Connect the RF signal generator to the antenna jack, and inject an 80 dBμ signal at 14.200 MHz.

0 Adjust Tl006 through Tl009 for Optimum 12-dB SINAD (adjust the injection level as necessary).

0 Turn the modulation switch (of the signal generator) off, and inject an 80 dBμ signal at 14.200 MHz.

0 Adjust T1011 through T1017 and Tl019 in succession several times for peak S-meter indication. (adjust the injection level as necessary)

(3) IF Gain

❒ Inject 6 dBμ at 14.200 MHz to the antenna jack, and tune for peak on the S-meter.

❒ Adjust VR1002 for S-l deflection.

(4) S-Meter Full-Scale

❒ Inject 100 dBμ at 14.200 MHz to the antenna jack, and tune for peak on the S-meter.

❒ Adjust VR1001 for S9 +60 dB on the S-meter.

(5) Noise Blanker

❒ With the receiver tuned to 14.200 MHz, press the **NB** button.

❒ Inject 40 dBμ at 14.200 MHz to the antenna jack, and connect the DC Voltmeter to TP1003.

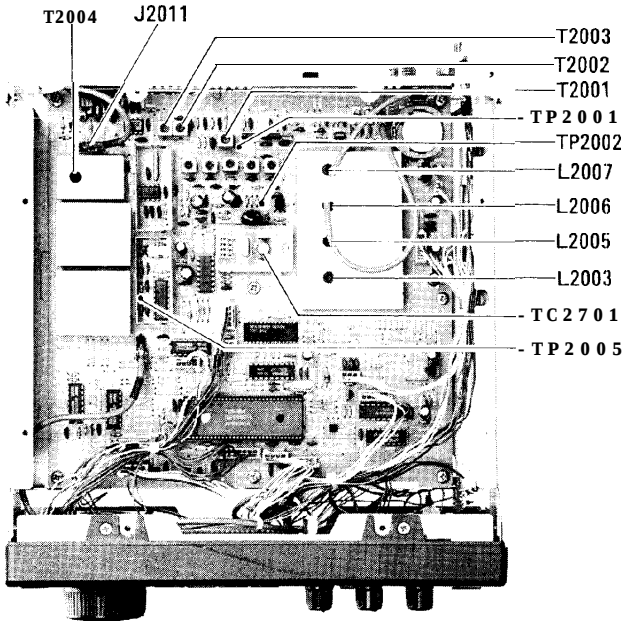
❒ Adjust Tl001 and Tl002 for minimum voltage on the meter (adjust the injection level as necessary).

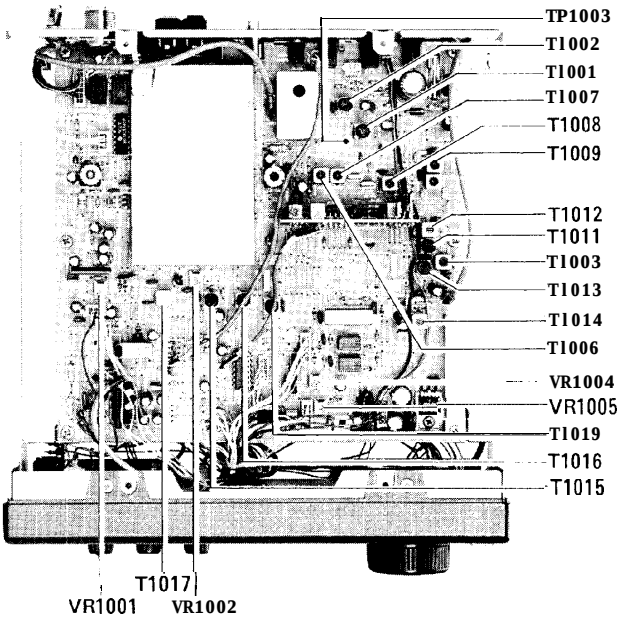
(6) SSB Squelch Threshold

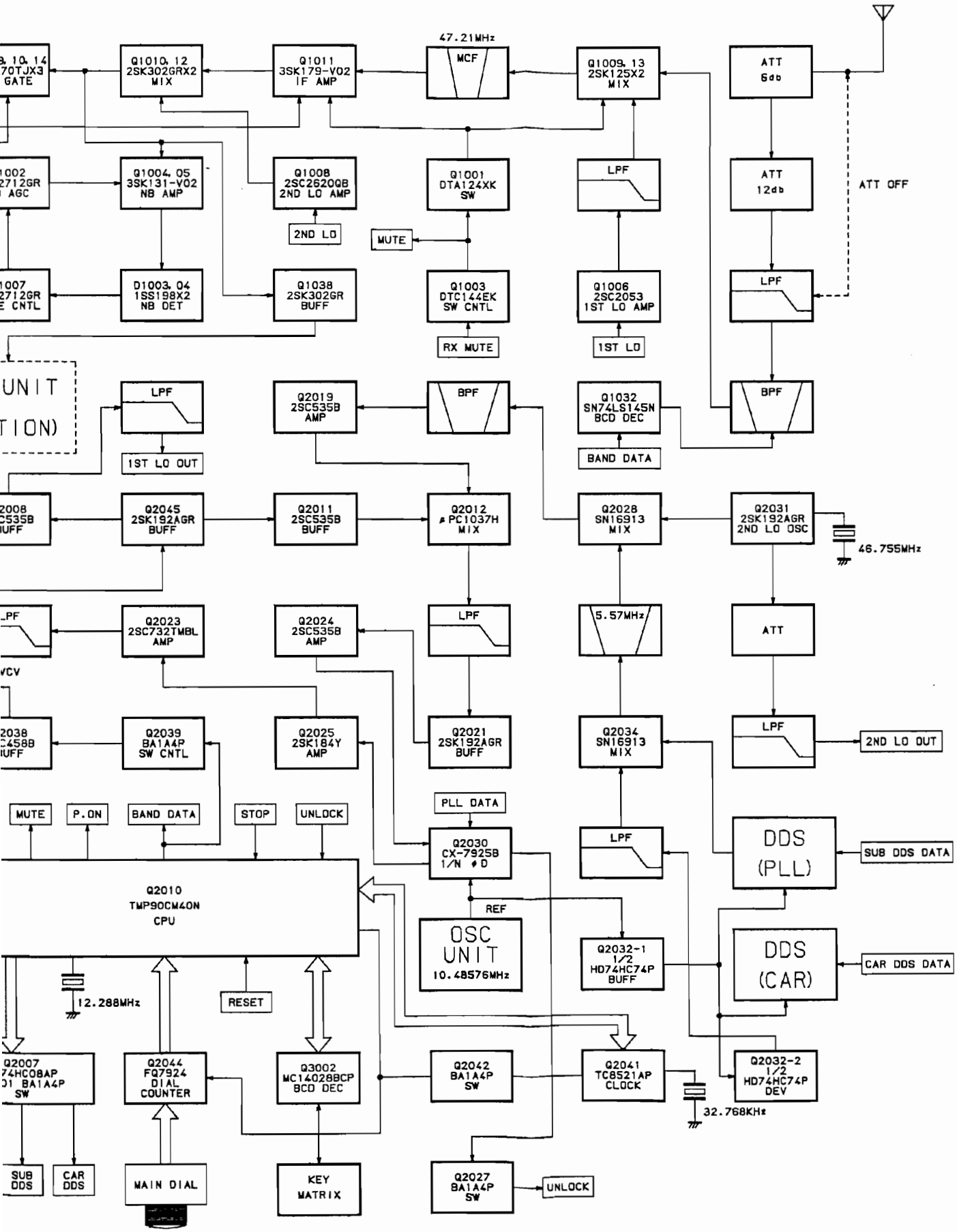
0 In the USB mode, with no signal at the antenna jack, set the SQL control to the 11-o'clock Position, and adjust VR1004 so that the squelch just closes.

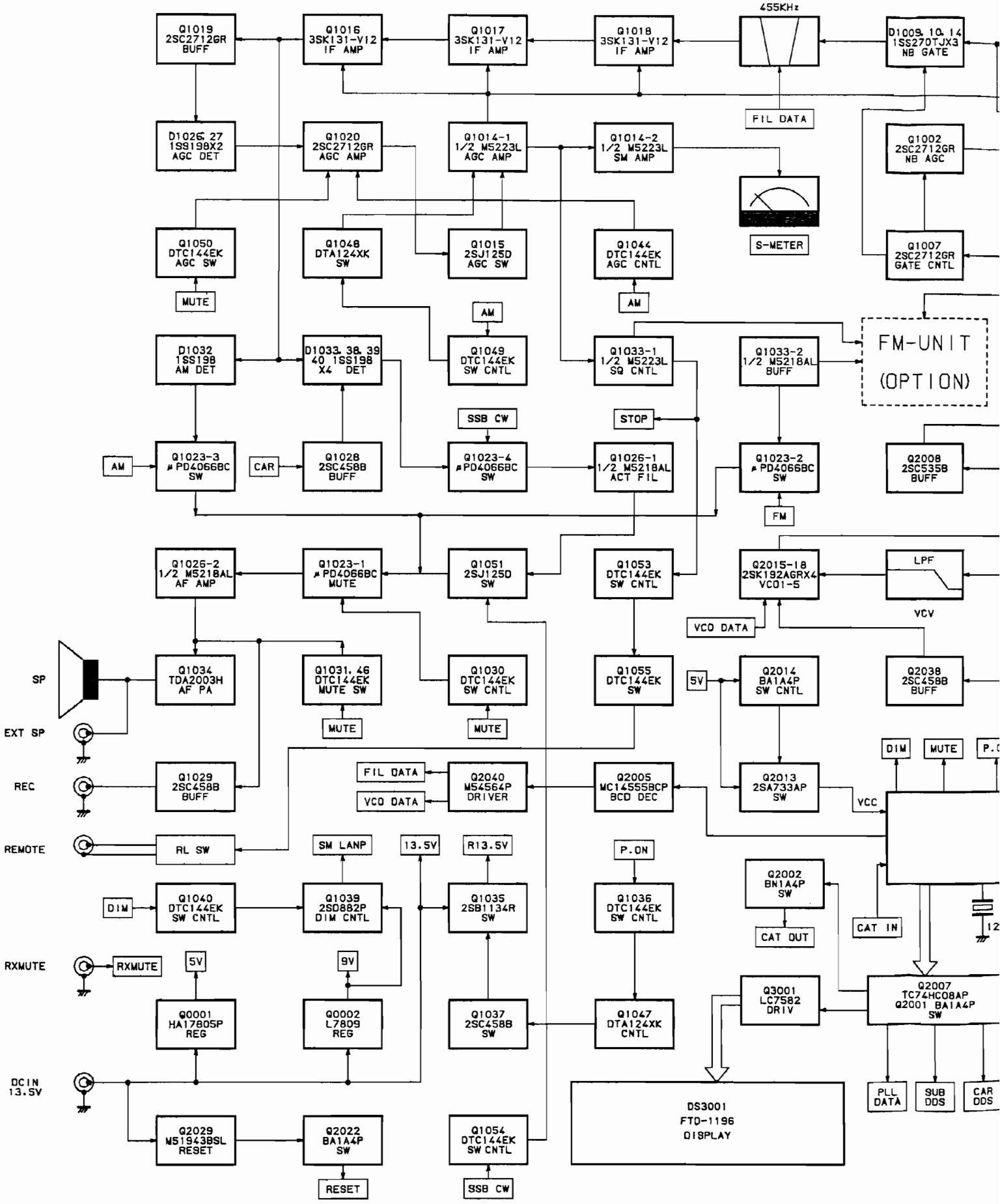
(7) Beep Level

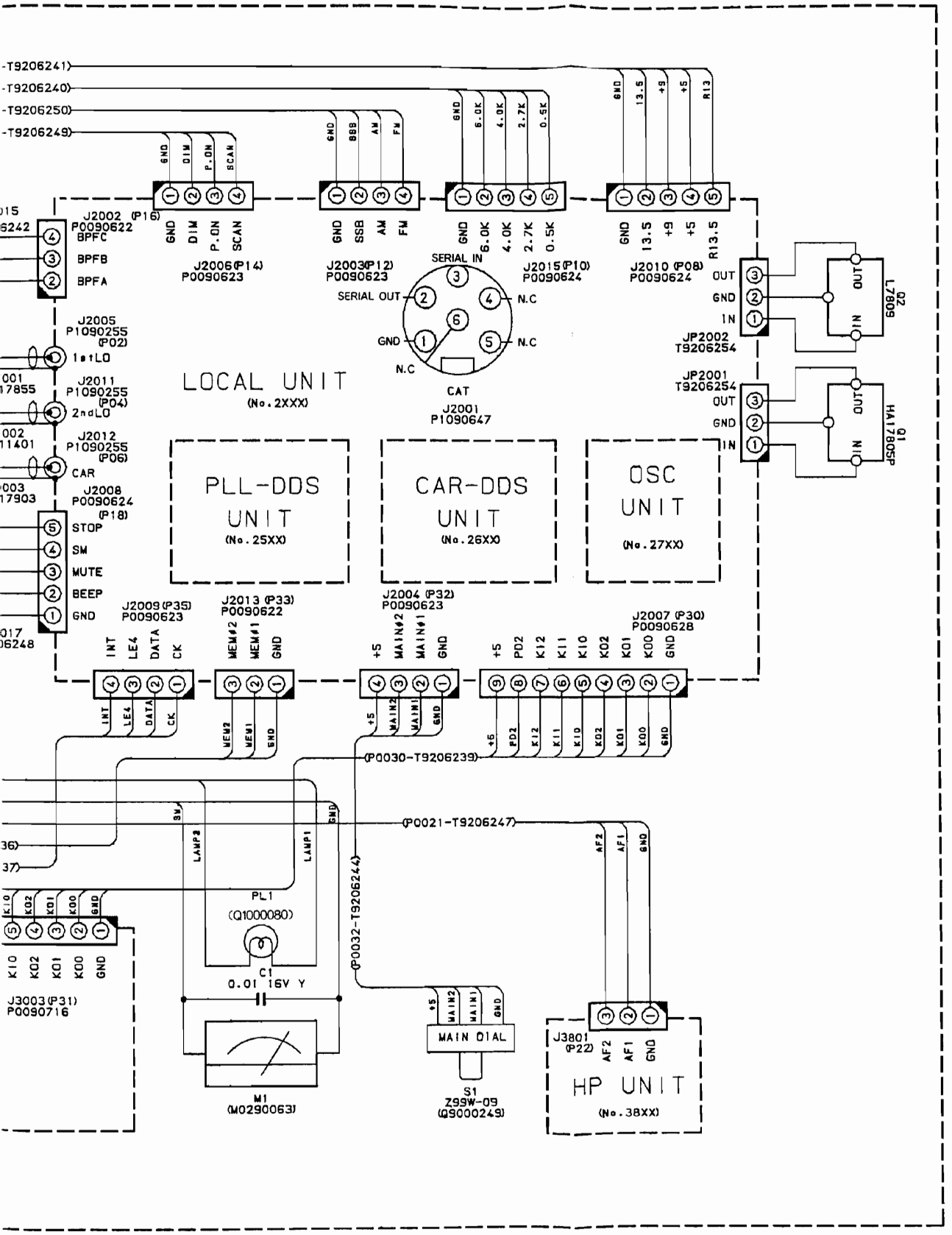
0 Set VR1005 to the 10-o'clock position.

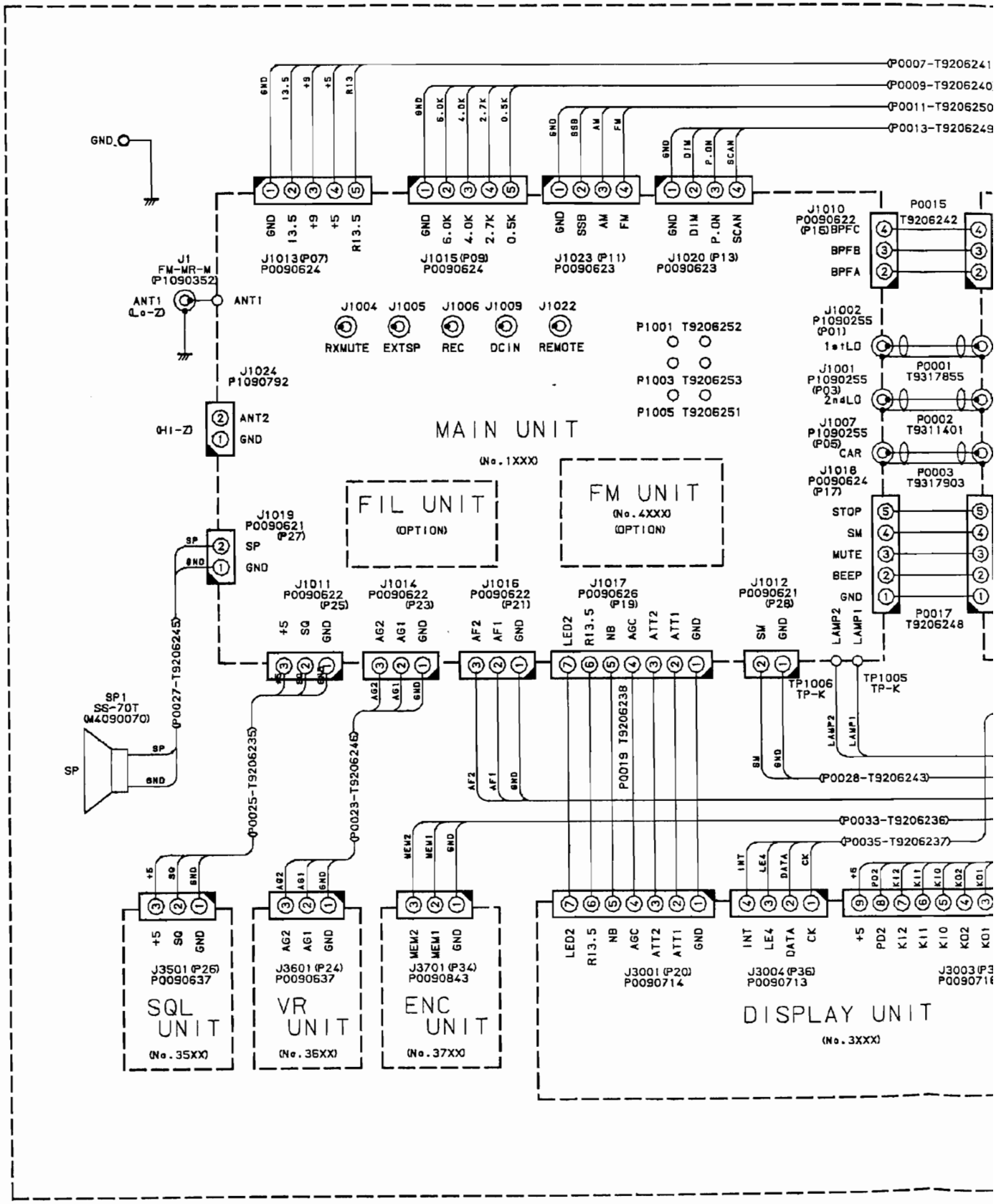


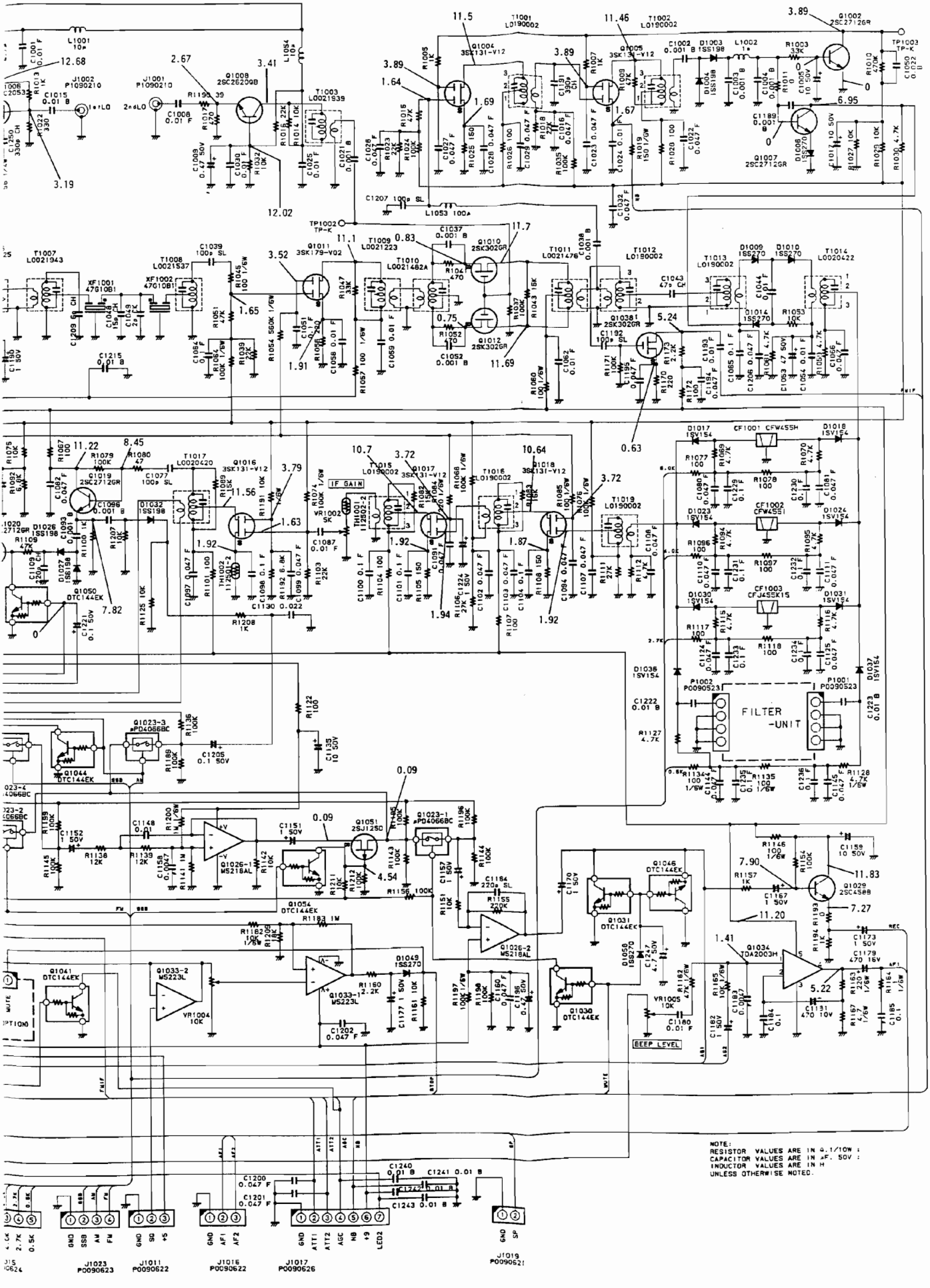


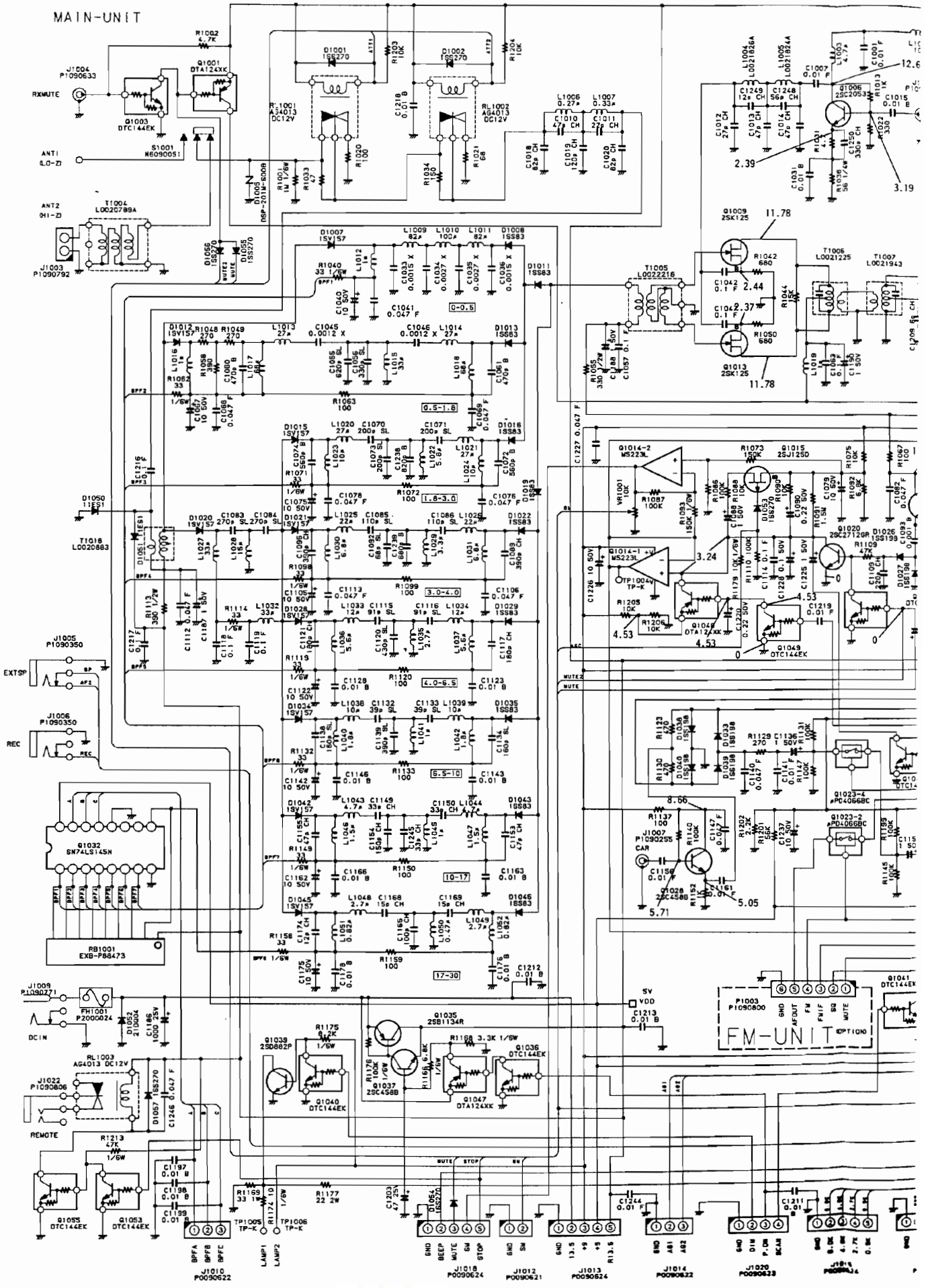











MAIN-UNIT
FM-UNIT
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RXMUTE
ANT1
ANT2
EXTSP
REC
DC IN
REMOTE
CAR
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RB1001 EXB-P88473
FH1001 P2000024
RL1003 AG4013 DC12V
RL1001 AG4013 DC12V
RL1002 AG4013 DC12V
S1001 N6090051
T1004 L0020789A
T1018 L0020883
T1005 L0022216
T1006 L0021225
T1007 L0021943
L1004 L0021826A
L1005 L0021824A
Q1001 DTA124XK
Q1003 DTC144EK
Q1009 2SK125
Q1013 2SK125
Q1014-2 MS223L
Q1014-1 MS223L
Q1015 2SJ125D
Q1020 2SC2712GR
Q1026 1SS199
Q1035 2SB1134R
Q1037 2SC4588
Q1039 2SD882P
Q1047 DTA124XK
Q1048 DTA124XK
Q1049 DTC144EK
Q1023-4 μPD4066BC
Q1023-2 μPD4066BC
Q1028 2SC458B
Q1036 DTC144EK
Q1040 DTC144EK
Q1041 DTC144EK
Q1053 DTC144EK
Q1055 DTC144EK
0-0.5
0.5-1.8
1.8-3.0
3.0-4.0
4.0-6.5
6.5-10
10-17
17-30
J1003 P1090792
J1004 P1090633
J1005 P1090350
J1006 P1090350
J1007 P1090255
J1009 P1090771
J1010 P0090622
J1012 P0090621
J1013 P0090624
J1014 P0090622
J1018 P0090624
J1020 P0090623
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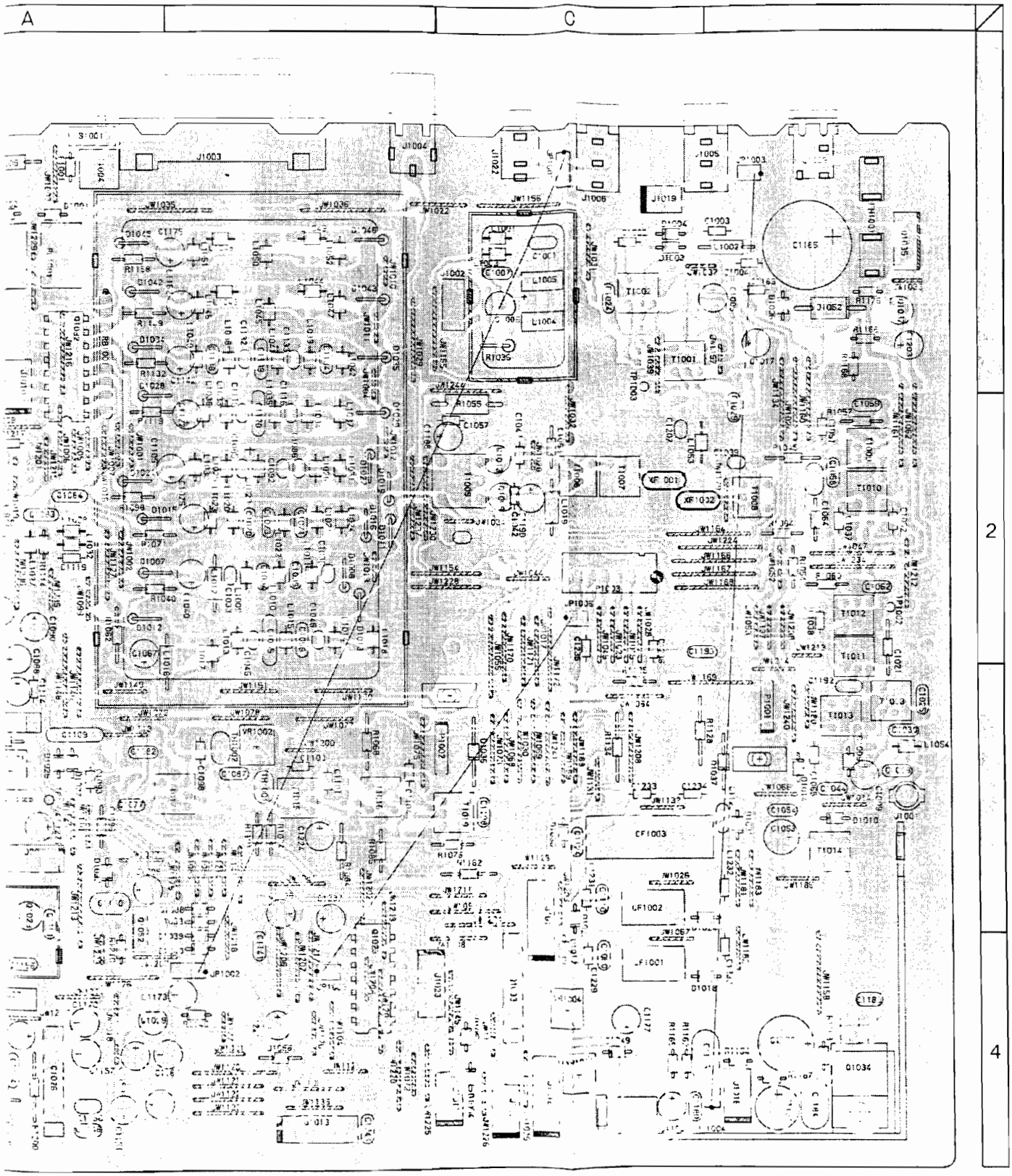
TP1005 TP-K
TP1006 TP-K
TP1044 TP-K
for free by
RadioAmateur.eu



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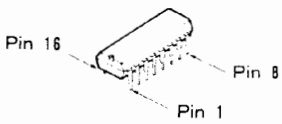

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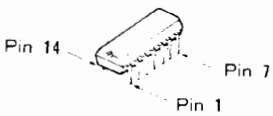

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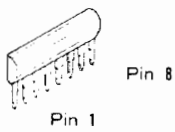

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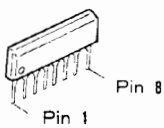

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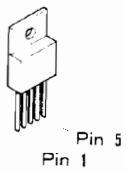

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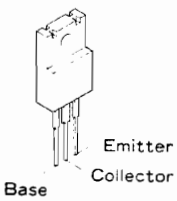

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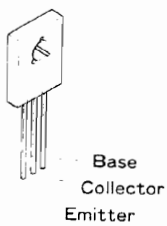

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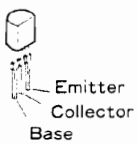

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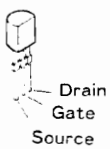

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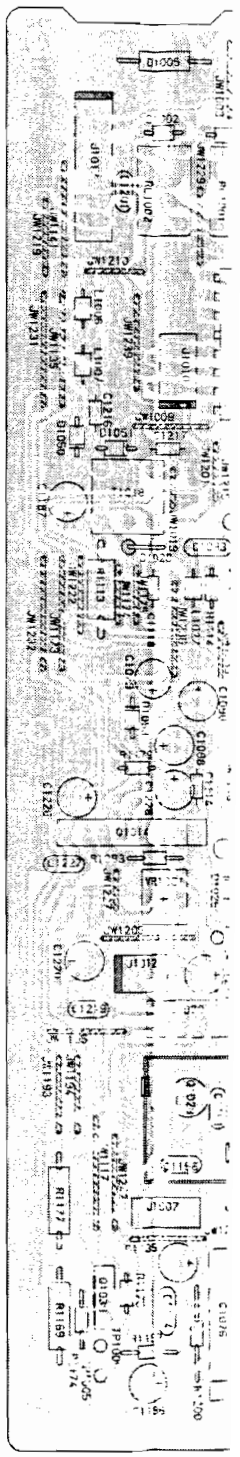

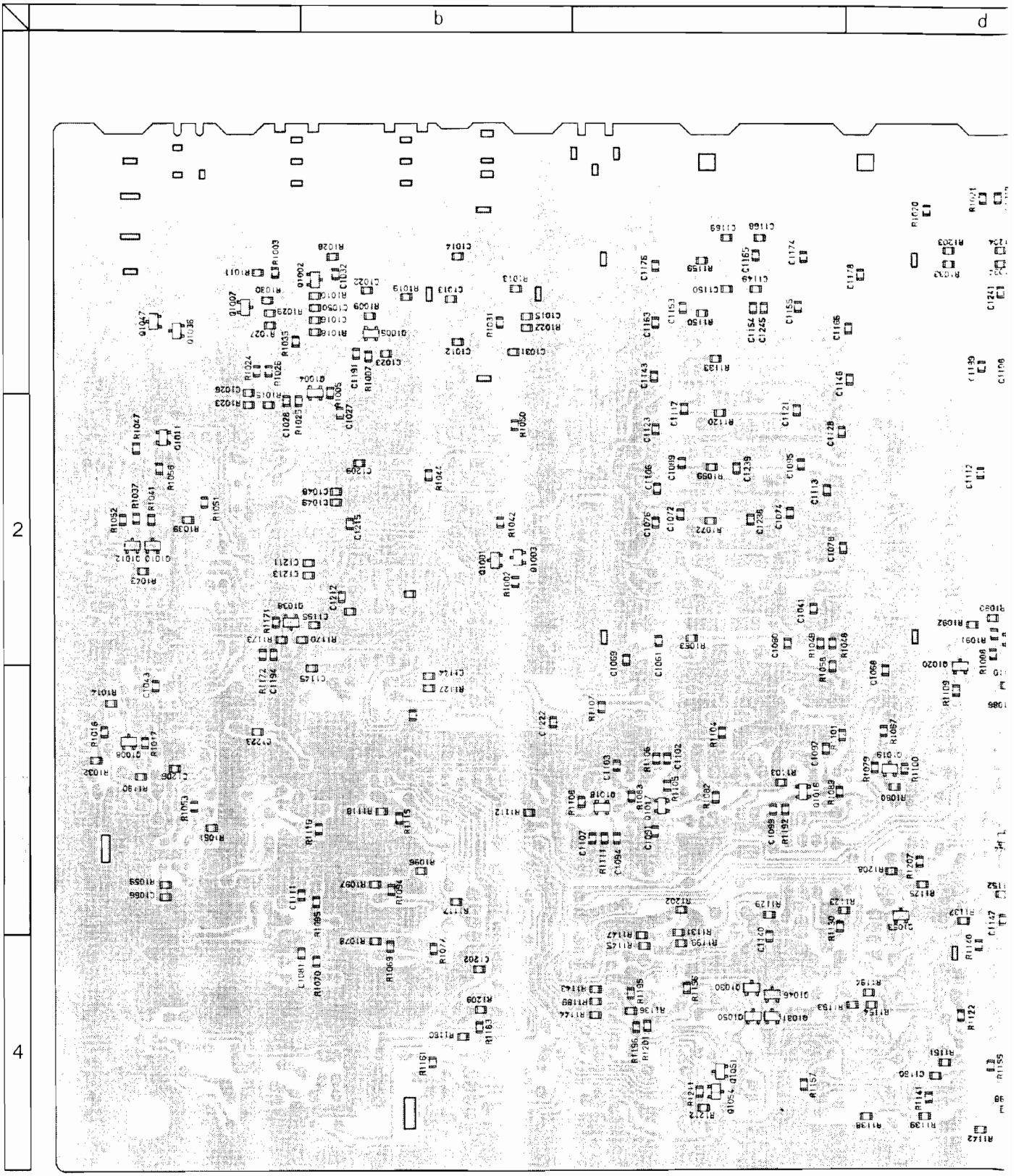

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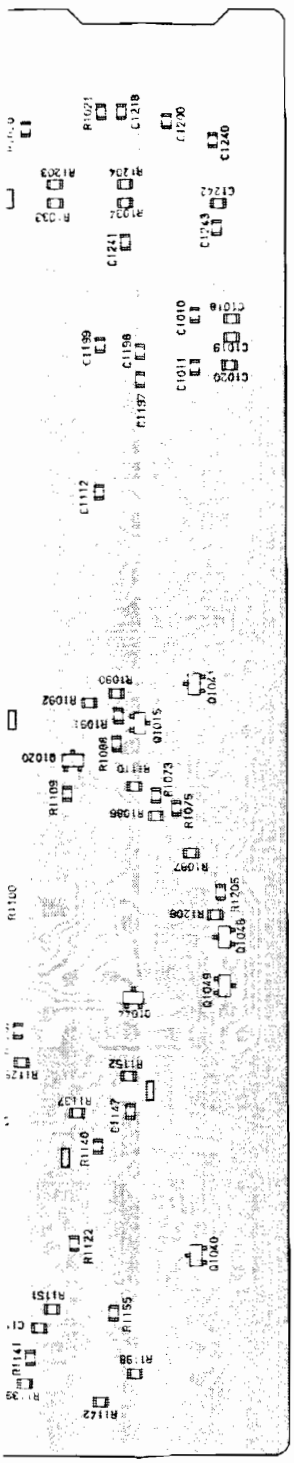

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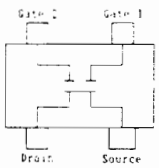

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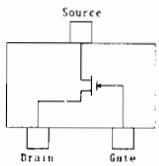

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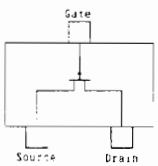

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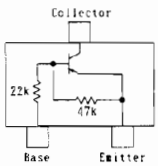

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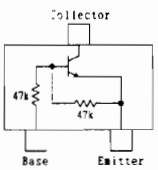

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1044,1046,1049
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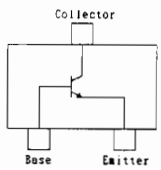

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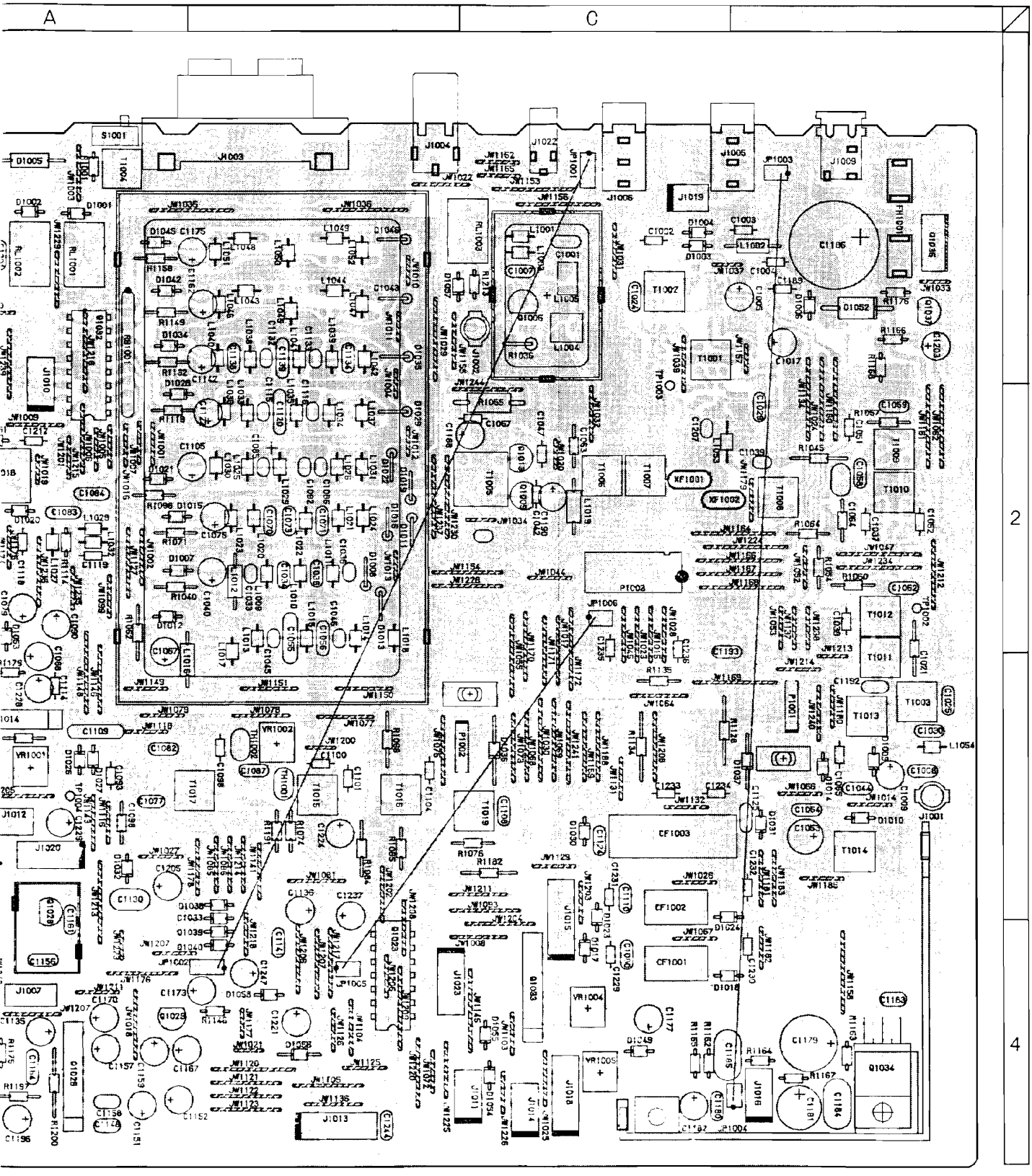

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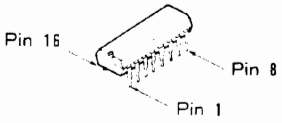

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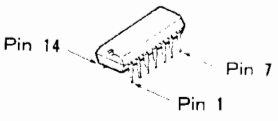

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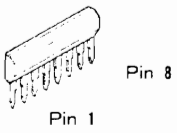

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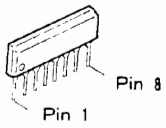

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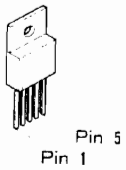

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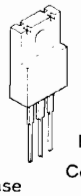

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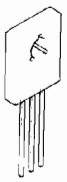

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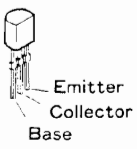

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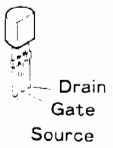

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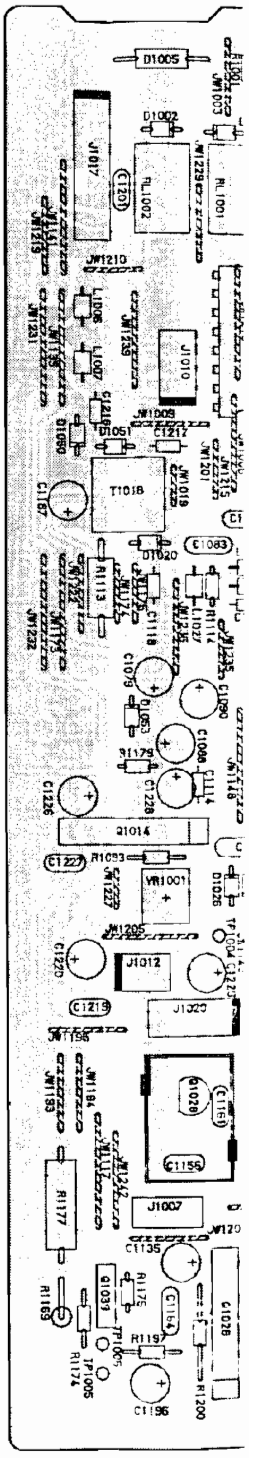

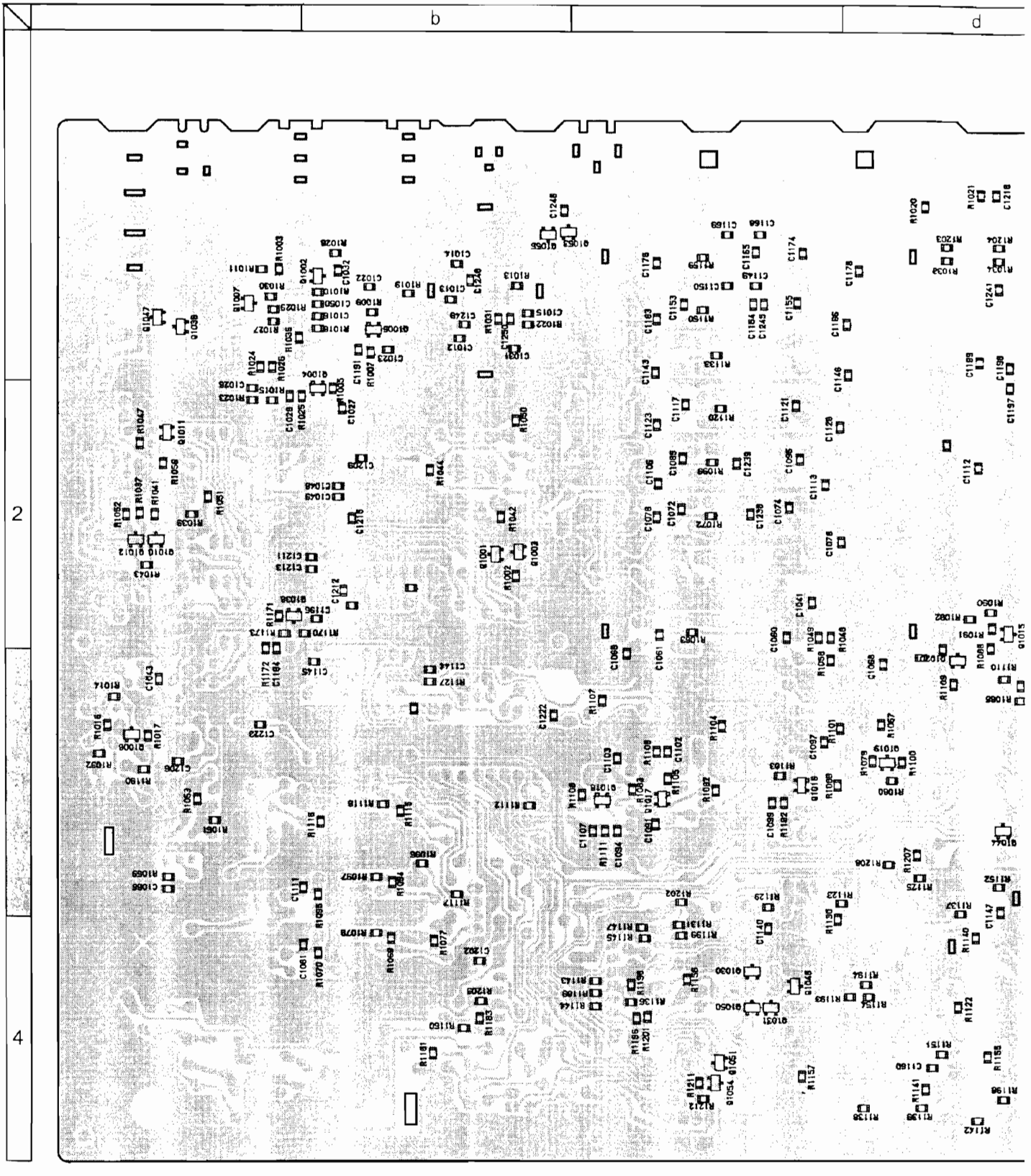

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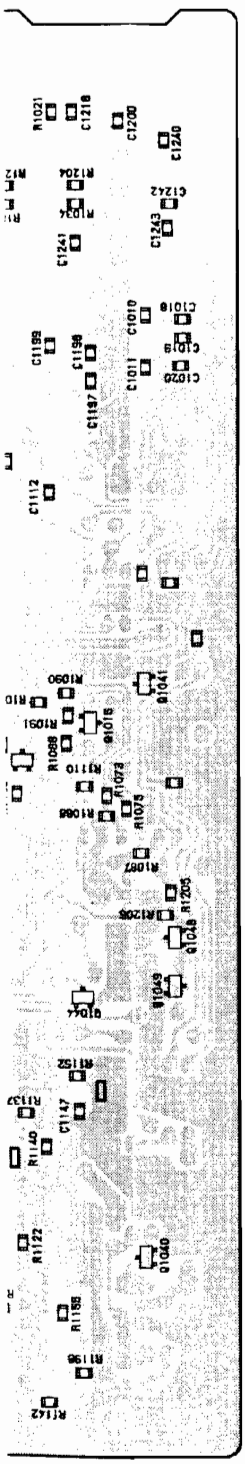

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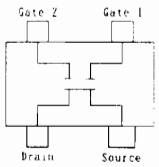

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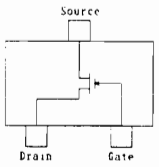
(Q1011)



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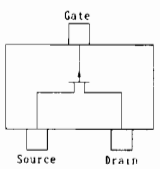
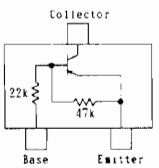
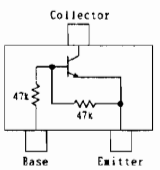


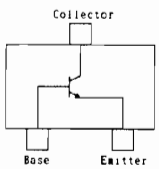
2SJ125D (JD)
(Q1015,1051)



DTA124XK (35)
(Q1001,1047,1048)

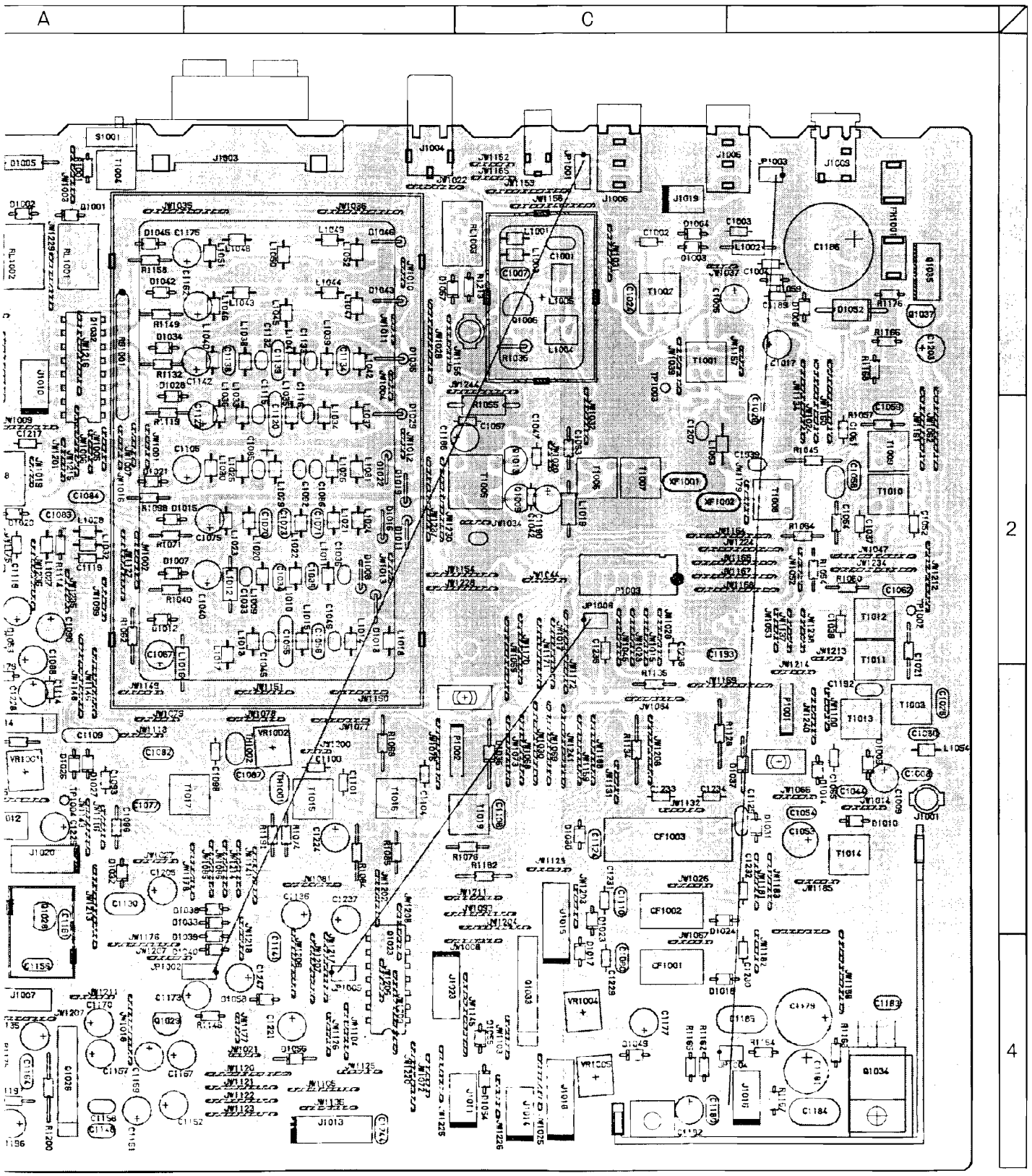


DTC144EK (26)
(Q1003,1030,1031
1036,1040,1041
1044,1046,1049
1050,1053,1054)

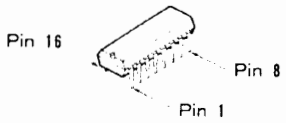


2SC2712GR (LG)
(Q1002,1007,1019
1020)

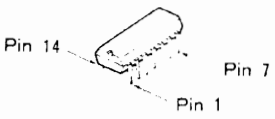
2SC2620QBTR (QB)
(Q1008)



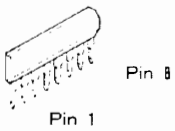
component side



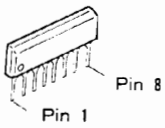
SN74LS145N
(Q1032)



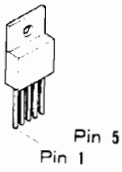
μPD4066BC
(Q1023)



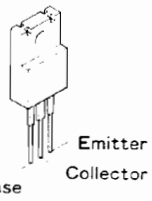
M5223L
(Q1014,1033)



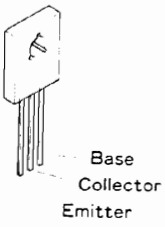
M5218AL
(Q1026)



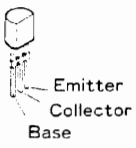
TDA2003H
(Q1034)



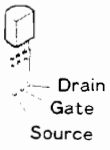
2SB1134R
(Q1035)



2SD882P
(Q1039,1052)



2SC2053
(Q1006)
2SC458BTZ
(Q1028,1029,1037)



2SK125
(Q1009,1013)

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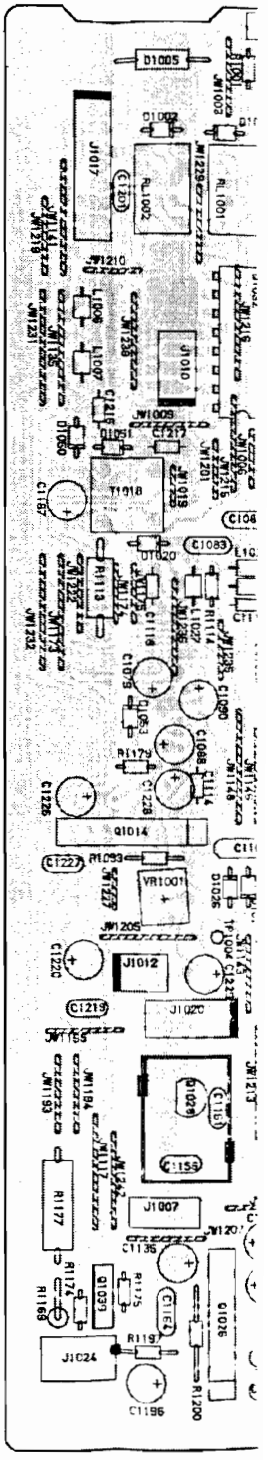
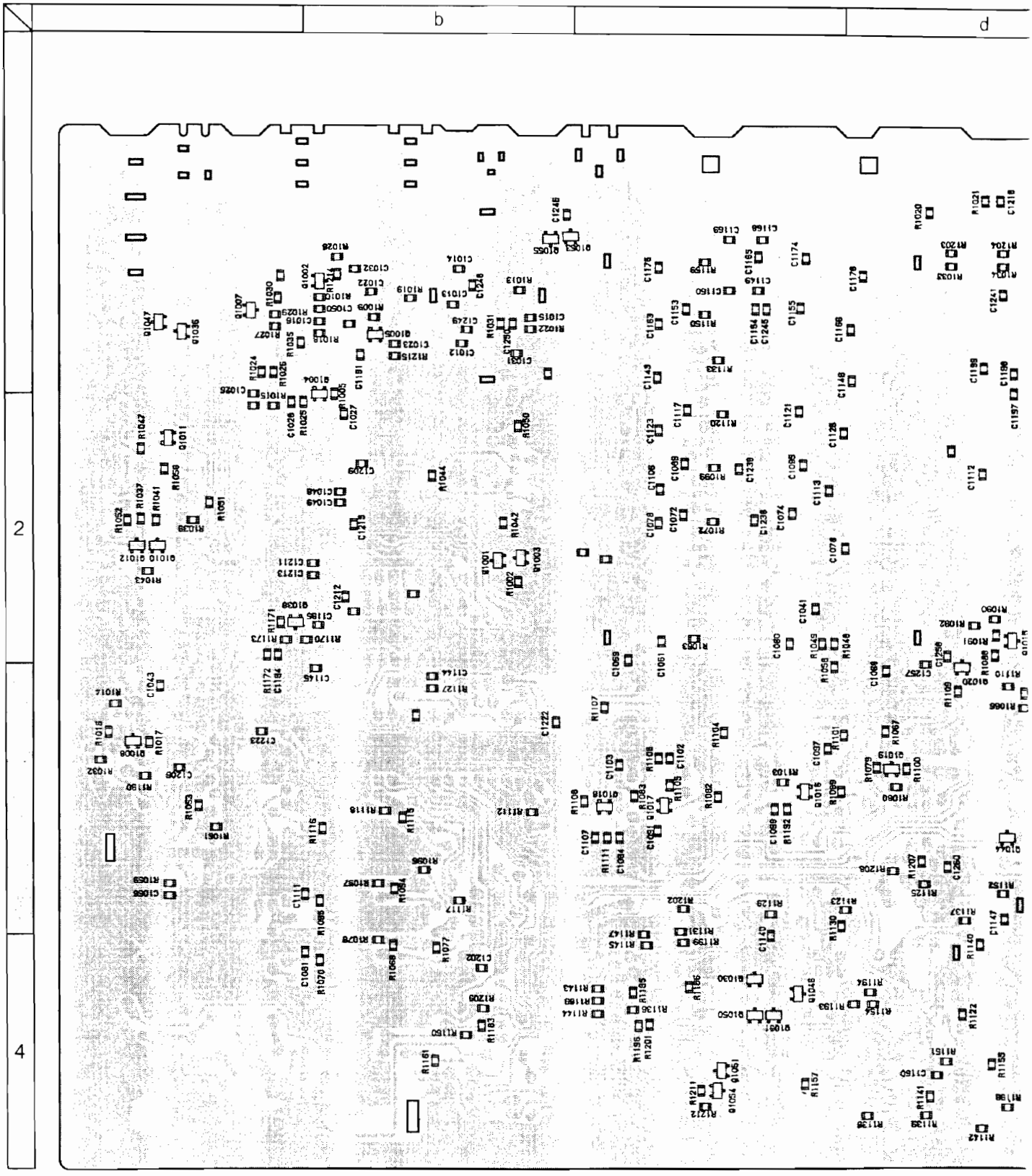
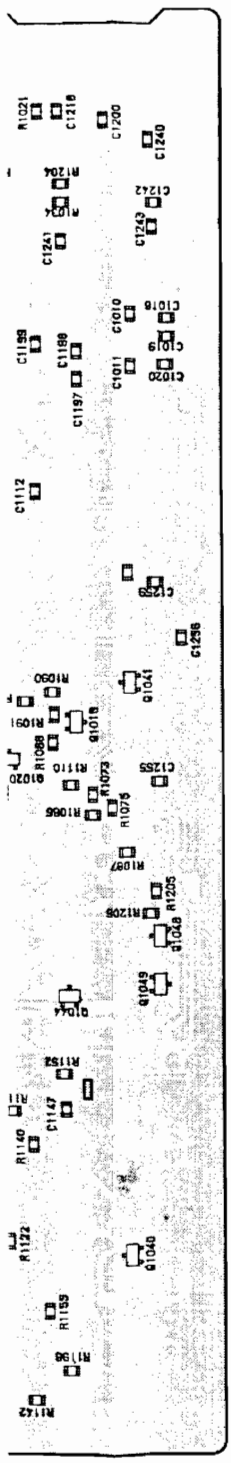


Display Unit
(lot 5～)



chip-only s

d



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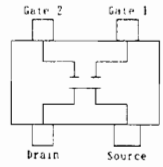
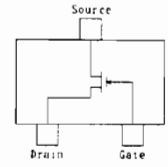
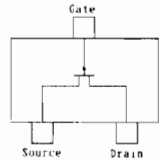


3SK131 (V12)
(Q1004,1005,1016
1017,1018)

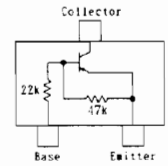
3SK179 (V02)
(Q1011)



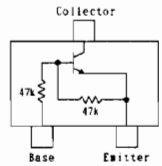
2SK302GR (TG)
(Q1010,1012,1038)



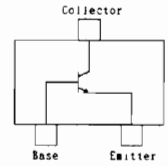
2SJ125D (JD)
(Q1015,1051)



DTA124XK (35)
(Q1001,1047,1048)



DTC144EK (26)
(Q1003,1030,1031
1036,1040,1041
1044,1046,1049
1050,1053,1054)



2SC2712GR (LG)
(Q1002,1007,1019
1020)

2SC2620QBTR (QB)
(Q1008)

REF.	MFGR'S DESIG	VALUE	WV	TOL.	DESCRIPTION	YAESU P/N	VERS.	LOT	ADDR.
		*** MAIN UNIT ***							
	P.C.B. With Components					CA0853001			
	Printed Circuit Board					F3332000		1-	
	Printed Circuit Board					F3332000A		3-	
	Printed Circuit Board					F3332000B		5-	
C 1001	CERAMIC CAP.	0.01uF	50V	F	DD106-979F103Z50	K26170657			
C 1002	CERAMIC CAP.	0.001uF	50V	B	UP050B102K-A-B	K28179001			
C 1003	CERAMIC CAP.	0.001uF	50V	B	UP050B102K-A-B	K28179001			
C 1004	CERAMIC CAP.	0.001uF	50V	B	UP050B102K-A-B	K28179001			
C 1005	AL.ELECTRO.CAP.	10uF	50V		50V100M5X11TR5	K46170021			
C 1007	CERAMIC CAP.	0.01uF	50V	F	DD106-979F103Z50	K26170657			
C 1008	CERAMIC CAP.	0.01uF	50V	F	DD106-979F103Z50	K26170657			
C 1009	AL.ELECTRO.CAP.	0.47uF	50V		50VR47M5X11TR5	K46170016			
C 1010	CHIP CAP.	47pF	50V	CH	GRM40CH470J50PT	K22170227			
C 1011	CHIP CAP.	22pF	50V	CH	GRM40CH220J50PT	K22170219			
C 1012	CHIP CAP.	27pF	50V	CH	GRM40CH270J50PT	K22170221			
C 1013	CHIP CAP.	47pF	50V	CH	GRM40CH470J50PT	K22170227			
C 1014	CHIP CAP.	47pF	50V	CH	GRM40CH470J50PT	K22170227			
C 1015	CHIP CAP.	0.01uF	50V	B	GRM40B103M50PT	K22170817			
C 1016	CHIP CAP.	0.047uF	50V	F	GRM40F473Z50PT	K22171008			
C 1017	AL.ELECTRO.CAP.	10uF	50V		50V100M5X11TR5	K46170021			
C 1018	CHIP CAP.	82pF	50V	CH	GRM40CH820J50PT	K22170233			
C 1019	CHIP CAP.	120pF	50V	CH	GRM40CH121J50PT	K22170237			
C 1020	CHIP CAP.	82pF	50V	CH	GRM40CH820J50PT	K22170233			
C 1021	CERAMIC CAP.	0.001uF	50V	B	UP050B102K-A-B	K28179001			
C 1022	CHIP CAP.	0.047uF	50V	F	GRM40F473Z50PT	K22171008			
C 1023	CHIP CAP.	0.047uF	50V	F	GRM40F473Z50PT	K22171008			
C 1024	CERAMIC CAP.	0.047uF	50V	F	DD306-979F473Z50	K26170726			
C 1025	CERAMIC CAP.	0.01uF	50V	F	DD106-979F103Z50	K26170657			
C 1026	CHIP CAP.	0.047uF	50V	F	GRM40F473Z50PT	K22171008			
C 1027	CHIP CAP.	0.047uF	50V	F	GRM40F473Z50PT	K22171008			
C 1028	CHIP CAP.	0.047uF	50V	F	GRM40F473Z50PT	K22171008			
C 1029	CERAMIC CAP.	0.047uF	50V	F	DD306-979F473Z50	K26170726			
C 1030	CERAMIC CAP.	0.01uF	50V	F	DD106-979F103Z50	K26170657			
C 1031	CHIP CAP.	0.01uF	50V	B	GRM40B103M50PT	K22170817			
C 1032	CHIP CAP.	0.047uF	50V	F	GRM40F473Z50PT	K22171008			
C 1033	CERAMIC CAP.	0.0015uF	50V	X	UAU04X152K7L36VC	K26170703			
C 1034	CERAMIC CAP.	0.0027uF	50V	X	UAU05X272K7L36VC	K26170706			
C 1035	CERAMIC CAP.	0.0027uF	50V	X	UAU05X272K7L36VC	K26170706			
C 1036	CERAMIC CAP.	0.0015uF	50V	X	UAU04X152K7L36VC	K26170703			
C 1037	CERAMIC CAP.	0.001uF	50V	B	UP050B102K-A-B	K28179001			
C 1038	CERAMIC CAP.	0.001uF	50V	B	UP050B102K-A-B	K28179001			
C 1039	CERAMIC CAP.	100pF	50V	SL	DD105-979SL101J50	K26171029			
C 1040	AL.ELECTRO.CAP.	10uF	50V		50V100M5X11TR5	K46170021			
C 1041	CHIP CAP.	0.047uF	50V	F	GRM40F473Z50PT	K22171008			
C 1042	CERAMIC CAP.	0.1uF	50V	F	UP050F104Z-A-B	K28179003			
C 1043	CHIP CAP.	47pF	50V	CH	GRM40CH470J50PT	K22170227			
C 1044	CERAMIC CAP.	0.01uF	50V	F	DD106-979F103Z50	K26170657			

REF.	MFGR'S DESIG	VALUE	WV	TOL.	DESCRIPTION	YAESU P/N	VERS.	LOT	ADDR.
C 1045	CERAMIC CAP.	0.0012uF	50V	X	UAU04X122K7L36VC	K26170702			
C 1046	CERAMIC CAP.	0.0012uF	50V	X	UAU04X122K7L36VC	K26170702			
C 1047	CERAMIC CAP.	0.1uF	50V	F	UP050F104Z-A-B	K28179003			
C 1048	CHIP CAP.	15pF	50V	CH	GRM40CH150J50PT	K22170215			
C 1049	CHIP CAP.	2pF	50V	CK	GRM40CK020C50PT	K22170203			
C 1050	CHIP CAP.	0.022uF	50V	B	GRM40B223M50PT	K22170821			
C 1051	CERAMIC CAP.	0.1uF	50V	F	UP050F104Z-A-B	K28179003			
C 1052	CERAMIC CAP.	0.001uF	50V	B	UP050B102K-A-B	K28179001			
C 1053	AL. ELECTRO. CAP.	47uF	50V		50V470M6X11TR5	K46170024			
C 1054	CERAMIC CAP.	0.01uF	50V	F	DD106-979F103Z50	K26170657			
C 1055	CERAMIC CAP.	620pF	50V	SL	DD110-979SL621J50	K26171048			
C 1056	CERAMIC CAP.	330pF	50V	SL	DD107-979SL331J50	K26171041			
C 1057	CERAMIC CAP.	0.1uF	50V	F	UP050F104Z-A-B	K28179003			
C 1058	CERAMIC CAP.	0.01uF	50V	F	DD106-979F103Z50	K26170657			
C 1059	CERAMIC CAP.	0.01uF	50V	F	DD106-979F103Z50	K26170657			
C 1060	CHIP CAP.	470pF	50V	B	GRM40B471M50PT	K22170801			
C 1061	CHIP CAP.	470pF	50V	B	GRM40B471M50PT	K22170801			
C 1062	CERAMIC CAP.	0.01uF	50V	F	DD106-979F103Z50	K26170657			
C 1063	CERAMIC CAP.	0.1uF	50V	F	UP050F104Z-A-B	K28179003			
C 1064	CERAMIC CAP.	0.1uF	50V	F	UP050F104Z-A-B	K28179003			
C 1065	CERAMIC CAP.	0.1uF	50V	F	UP050F104Z-A-B	K28179003			
C 1066	CHIP CAP.	0.047uF	50V	F	GRM40F473Z50PT	K22171008			
C 1067	AL. ELECTRO. CAP.	10uF	50V		50V100M5X11TR5	K46170021			
C 1068	CHIP CAP.	0.047uF	50V	F	GRM40F473Z50PT	K22171008			
C 1069	CHIP CAP.	0.047uF	50V	F	GRM40F473Z50PT	K22171008			
C 1070	CERAMIC CAP.	200pF	50V	SL	DD106-979SL201J50	K26171036			
C 1071	CERAMIC CAP.	200pF	50V	SL	DD106-979SL201J50	K26171036			
C 1072	CHIP CAP.	560pF	50V	B	GRM40B561M50PT	K22170802			
C 1073	CERAMIC CAP.	200pF	50V	SL	DD106-979SL201J50	K26171036			
C 1074	CHIP CAP.	560pF	50V	B	GRM40B561M50PT	K22170802			
C 1075	AL. ELECTRO. CAP.	10uF	50V		50V100M5X11TR5	K46170021			
C 1076	CHIP CAP.	0.047uF	50V	F	GRM40F473Z50PT	K22171008			
C 1077	CERAMIC CAP.	100pF	50V	SL	DD105-979SL101J50	K26171029			
C 1078	CHIP CAP.	0.047uF	50V	F	GRM40F473Z50PT	K22171008			
C 1079	AL. ELECTRO. CAP.	10uF	50V		50V100M5X11TR5	K46170021			
C 1080	CERAMIC CAP.	0.047uF	50V	F	DD306-979F473Z50	K26170726			
C 1081	CHIP CAP.	0.047uF	50V	F	GRM40F473Z50PT	K22171008			
C 1082	CERAMIC CAP.	0.047uF	50V	F	DD306-979F473Z50	K26170726			
C 1083	CERAMIC CAP.	270pF	50V	SL	DD107-979SL271J50	K26171039			
C 1084	CERAMIC CAP.	270pF	50V	SL	DD107-979SL271J50	K26171039			
C 1085	CERAMIC CAP.	110pF	50V	SL	DD105-979SL111J50	K26171030			
C 1086	CERAMIC CAP.	110pF	50V	SL	DD105-979SL111J50	K26171030			
C 1087	CERAMIC CAP.	0.01uF	50V	F	DD106-979F103Z50	K26170657			
C 1088	AL. ELECTRO. CAP.	1uF	50V		50V010M5X11TR5	K46170017			
C 1089	CHIP CAP.	390pF	50V	CH	GRM40CH391J50PT	K22170249			
C 1090	AL. ELECTRO. CAP.	0.22uF	50V		50VR22M5X11TR5	K46170014			
C 1091	CHIP CAP.	0.047uF	50V	F	GRM40F473Z50PT	K22171008			
C 1092	CERAMIC CAP.	68pF	50V	SL	DD104-979SL680J50	K26171025			
C 1093	CERAMIC CAP.	0.001uF	50V	B	UP050B102K-A-B	K28179001			
C 1094	CHIP CAP.	0.047uF	50V	F	GRM40F473Z50PT	K22171008			
C 1095	CHIP CAP.	390pF	50V	CH	GRM40CH391J50PT	K22170249			

REF.	MFGR'S DESIG	VALUE	WV	TOL.	DESCRIPTION	YAESU P/N	VERS.	LOT	ADDR.
C 1096	CERAMIC CAP.	0.001uF	50V	B	UP050B102K-A-B	K28179001			
C 1097	CHIP CAP.	0.047uF	50V	F	GRM40F473Z50PT	K22171008			
C 1098	CERAMIC CAP.	0.1uF	50V	F	UP050F104Z-A-B	K28179003			
C 1099	CHIP CAP.	0.047uF	50V	F	GRM40F473Z50PT	K22171008			
C 1100	CERAMIC CAP.	0.1uF	50V	F	UP050F104Z-A-B	K28179003			
C 1101	CERAMIC CAP.	0.1uF	50V	F	UP050F104Z-A-B	K28179003			
C 1102	CHIP CAP.	0.047uF	50V	F	GRM40F473Z50PT	K22171008			
C 1103	CHIP CAP.	0.047uF	50V	F	GRM40F473Z50PT	K22171008			
C 1104	CERAMIC CAP.	0.1uF	50V	F	UP050F104Z-A-B	K28179003			
C 1105	AL. ELECTRO. CAP.	10uF	50V		50V100M5X11TR5	K46170021			
C 1106	CHIP CAP.	0.047uF	50V	F	GRM40F473Z50PT	K22171008			
C 1107	CHIP CAP.	0.047uF	50V	F	GRM40F473Z50PT	K22171008			
C 1108	CERAMIC CAP.	0.047uF	50V	F	DD306-979F473Z50	K26170726			
C 1109	CERAMIC CAP.	220pF	50V	CH	DD111-979CH221J50	K26171111			
C 1110	CERAMIC CAP.	0.047uF	50V	F	DD306-979F473Z50	K26170726			
C 1111	CHIP CAP.	0.047uF	50V	F	GRM40F473Z50PT	K22171008			
C 1112	CHIP CAP.	0.047uF	50V	F	GRM40F473Z50PT	K22171008			
C 1113	CHIP CAP.	0.047uF	50V	F	GRM40F473Z50PT	K22171008			
C 1114	CERAMIC CAP.	0.1uF	50V	F	UP050F104Z-A-B	K28179003			
C 1115	CERAMIC CAP.	91pF	50V	SL	DD105-979SL910J50	K26171028			
C 1116	CERAMIC CAP.	91pF	50V	SL	DD105-979SL910J50	K26171028			
C 1117	CHIP CAP.	180pF	50V	CH	GRM40CH181J50PT	K22170241			
C 1118	CERAMIC CAP.	0.1uF	50V	F	UP050F104Z-A-B	K28179003			
C 1119	CERAMIC CAP.	0.1uF	50V	F	UP050F104Z-A-B	K28179003			
C 1120	CERAMIC CAP.	430pF	50V	SL	DD109-979SL431J50	K26171044			
C 1121	CHIP CAP.	180pF	50V	CH	GRM40CH181J50PT	K22170241			
C 1122	AL. ELECTRO. CAP.	10uF	50V		50V100M5X11TR5	K46170021			
C 1123	CHIP CAP.	0.01uF	50V	B	GRM40B103M50PT	K22170817			
C 1124	CERAMIC CAP.	0.047uF	50V	F	DD306-979F473Z50	K26170726			
C 1125	CERAMIC CAP.	0.047uF	50V	F	DD306-979F473Z50	K26170726			
C 1128	CHIP CAP.	0.01uF	50V	B	GRM40B103M50PT	K22170817			
C 1130	FILM CAP.	0.022uF	50V		50F2U223M	K50177223			
C 1132	CERAMIC CAP.	39pF	50V	SL	DD104-979SL390J50	K26171019			
C 1133	CERAMIC CAP.	39pF	50V	SL	DD104-979SL390J50	K26171019			
C 1134	CERAMIC CAP.	160pF	50V	SL	DD106-979SL161J50	K26171034			
C 1135	AL. ELECTRO. CAP.	10uF	50V		50V100M5X11TR5	K46170021			
C 1136	AL. ELECTRO. CAP.	1uF	50V		50V010M5X11TR5	K46170017			
C 1138	CERAMIC CAP.	160pF	50V	SL	DD106-979SL161J50	K26171034			
C 1139	CERAMIC CAP.	390pF	50V	SL	DD108-979SL391J50	K26171043			
C 1140	CHIP CAP.	0.047uF	50V	F	GRM40F473Z50PT	K22171008			
C 1141	CERAMIC CAP.	0.01uF	50V	F	DD106-979F103Z50	K26170657			
C 1142	AL. ELECTRO. CAP.	10uF	50V		50V100M5X11TR5	K46170021			
C 1143	CHIP CAP.	0.01uF	50V	B	GRM40B103M50PT	K22170817			
C 1144	CHIP CAP.	0.047uF	50V	F	GRM40F473Z50PT	K22171008			
C 1145	CHIP CAP.	0.047uF	50V	F	GRM40F473Z50PT	K22171008			
C 1146	CHIP CAP.	0.01uF	50V	B	GRM40B103M50PT	K22170817			
C 1147	CHIP CAP.	0.047uF	50V	F	GRM40F473Z50PT	K22171008			
C 1148	CAP.	0.01uF	50V		50F2Z103MTP	K56170057			
C 1149	CHIP CAP.	33pF	50V	CH	GRM40CH330J50PT	K22170223			
C 1150	CHIP CAP.	33pF	50V	CH	GRM40CH330J50PT	K22170223			
C 1151	AL. ELECTRO. CAP.	1uF	50V		50V010M5X11TR5	K46170017			

REF.	MFGR'S DESIG	VALUE	WV	TOL.	DESCRIPTION	YAESU P/N	VERS.	LOT	ADDR.
C 1152	AL. ELECTRO. CAP.	1uF	50V		50V010M5X11TR5	K46170017			
C 1153	CHIP CAP.	47pF	50V	CH	GRM40CH470J50PT	K22170227			
C 1154	CHIP CAP.	150pF	50V	CH	GRM40CH151J50PT	K22170239			
C 1155	CHIP CAP.	47pF	50V	CH	GRM40CH470J50PT	K22170227			
C 1156	CERAMIC CAP.	0.01uF	50V	F	DD106-979F103Z50	K26170657			
C 1157	AL. ELECTRO. CAP.	1uF	50V		50V010M5X11TR5	K46170017			
C 1158	CAP.	0.0047uF	50V		50F2S472MTP	K56170005			
C 1159	AL. ELECTRO. CAP.	10uF	50V		50V100M5X11TR5	K46170021			
C 1160	CHIP CAP.	0.047uF	50V	F	GRM40F473Z50PT	K22171008			
C 1161	CERAMIC CAP.	0.01uF	50V	F	DD106-979F103Z50	K26170657			
C 1162	AL. ELECTRO. CAP.	10uF	50V		50V100M5X11TR5	K46170021			
C 1163	CHIP CAP.	0.01uF	50V	B	GRM40B103M50PT	K22170817			
C 1164	CERAMIC CAP.	220pF	50V	SL	DD107-979SL221J50	K26171037			
C 1165	CHIP CAP.	100pF	50V	CH	GRM40CH101J50PT	K22170235			
C 1166	CHIP CAP.	0.01uF	50V	B	GRM40B103M50PT	K22170817			
C 1167	AL. ELECTRO. CAP.	1uF	50V		50V010M5X11TR5	K46170017			
C 1168	CHIP CAP.	15pF	50V	CH	GRM40CH150J50PT	K22170215			
C 1169	CHIP CAP.	15pF	50V	CH	GRM40CH150J50PT	K22170215			
C 1170	AL. ELECTRO. CAP.	1uF	50V		50V010M5X11TR5	K46170017			
C 1173	AL. ELECTRO. CAP.	1uF	50V		50V010M5X11TR5	K46170017			
C 1174	CHIP CAP.	12pF	50V	CH	GRM40CH120J50PT	K22170213			
C 1175	AL. ELECTRO. CAP.	10uF	50V		50V100M5X11TR5	K46170021			
C 1176	CHIP CAP.	0.01uF	50V	B	GRM40B103M50PT	K22170817			
C 1177	AL. ELECTRO. CAP.	1uF	50V		50V010M5X11TR5	K46170017			
C 1178	CHIP CAP.	0.01uF	50V	B	GRM40B103M50PT	K22170817			
C 1179	AL. ELECTRO. CAP.	470uF	16V		RE2-16V471M	K40129049			
C 1180	CERAMIC CAP.	0.01uF	50V	F	DD106-979F103Z50	K26170657			
C 1181	AL. ELECTRO. CAP.	470uF	10V		10V471M8X11TR5	K46100006			
C 1182	AL. ELECTRO. CAP.	1uF	50V		50V010M5X11TR5	K46170017			
C 1183	CAP.	0.0047uF	50V		50F2S472MTP	K56170005			
C 1184	CAP.	0.1uF	50V		50F2S104MTP	K56170013			
C 1185	CAP.	0.1uF	50V		50F2S104MTP	K56170013			
C 1186	AL. ELECTRO. CAP.	1000uF	25V		RE-25V102M	K40149005			
C 1187	AL. ELECTRO. CAP.	1uF	50V		50V010M5X11TR5	K46170017			
C 1188	AL. ELECTRO. CAP.	1uF	50V		50V010M5X11TR5	K46170017			
C 1189	CERAMIC CAP.	0.001uF	50V	B	UP050B102K-A-B	K28179001			
C 1190	AL. ELECTRO. CAP.	1uF	50V		50V010M5X11TR5	K46170017			
C 1191	CHIP CAP.	390pF	50V	CH	GRM40CH391J50PT	K22170249			
C 1192	CERAMIC CAP.	100pF	50V	SL	DD105-979SL101J50	K26171029			
C 1193	CERAMIC CAP.	0.01uF	50V	F	DD106-979F103Z50	K26170657			
C 1194	CHIP CAP.	0.047uF	50V	F	GRM40F473Z50PT	K22171008			
C 1195	CHIP CAP.	0.047uF	50V	F	GRM40F473Z50PT	K22171008			
C 1196	AL. ELECTRO. CAP.	0.47uF	50V		50VR47M5X11TR5	K46170016			
C 1197	CHIP CAP.	0.01uF	50V	B	GRM40B103M50PT	K22170817			
C 1198	CHIP CAP.	0.01uF	50V	B	GRM40B103M50PT	K22170817			
C 1199	CHIP CAP.	0.01uF	50V	B	GRM40B103M50PT	K22170817			
C 1200	CHIP CAP.	0.047uF	50V	F	GRM40F473Z50PT	K22171008			
C 1201	CERAMIC CAP.	0.047uF	50V	F	DD306-979F473Z50	K26170726			
C 1202	CHIP CAP.	0.047uF	50V	F	GRM40F473Z50PT	K22171008			
C 1203	AL. ELECTRO. CAP.	47uF	25V		25V470M5X11TR5	K46140004			
C 1205	AL. ELECTRO. CAP.	0.1uF	50V		50VR10M5X11TR5	K46170013			

REF.	MFGR'S DESIG	VALUE	WV	TOL.	DESCRIPTION	YAESU P/N	VERS.	LOT	ADDR.
C 1206	CHIP CAP.	0.047uF	50V	F	GRM40F473Z50PT	K22171008			
C 1207	CERAMIC CAP.	100pF	50V	SL	DD105-979SL101J50	K26171029			
C 1209	CHIP CAP.	6pF	50V	CH	GRM40CH060D50PT	K22170207			
C 1211	CHIP CAP.	0.01uF	50V	B	GRM40B103M50PT	K22170817			
C 1212	CHIP CAP.	0.01uF	50V	B	GRM40B103M50PT	K22170817			
C 1213	CHIP CAP.	0.01uF	50V	B	GRM40B103M50PT	K22170817			
C 1215	CHIP CAP.	0.01uF	50V	B	GRM40B103M50PT	K22170817			
C 1216	CERAMIC CAP.	0.1uF	50V	F	UP050F104Z-A-B	K28179003			
C 1217	CERAMIC CAP.	0.1uF	50V	F	UP050F104Z-A-B	K28179003			
C 1218	CHIP CAP.	0.01uF	50V	B	GRM40B103M50PT	K22170817			
C 1219	CERAMIC CAP.	0.01uF	50V	F	DD106-979F103Z50	K26170657			
C 1220	AL. ELECTRO. CAP.	0.22uF	50V		50VR22M5X11TR5	K46170014			
C 1221	AL. ELECTRO. CAP.	0.1uF	50V		50VR10M5X11TR5	K46170013			
C 1222	CHIP CAP.	0.01uF	50V	B	GRM40B103M50PT	K22170817			
C 1223	CHIP CAP.	0.01uF	50V	B	GRM40B103M50PT	K22170817			
C 1224	AL. ELECTRO. CAP.	1uF	50V		50V010M5X11TR5	K46170017			
C 1225	AL. ELECTRO. CAP.	1uF	50V		50V010M5X11TR5	K46170017			
C 1226	AL. ELECTRO. CAP.	10uF	50V		50V100M5X11TR5	K46170021			
C 1227	CERAMIC CAP.	0.047uF	50V	F	DD306-979F473Z50	K26170726			
C 1228	AL. ELECTRO. CAP.	0.1uF	50V		50VR10M5X11TR5	K46170013			
C 1229	CERAMIC CAP.	0.1uF	50V	F	UP050F104Z-A-B	K28179003			
C 1230	CERAMIC CAP.	0.1uF	50V	F	UP050F104Z-A-B	K28179003			
C 1231	CERAMIC CAP.	0.1uF	50V	F	UP050F104Z-A-B	K28179003			
C 1232	CERAMIC CAP.	0.1uF	50V	F	UP050F104Z-A-B	K28179003			
C 1233	CERAMIC CAP.	0.1uF	50V	F	UP050F104Z-A-B	K28179003			
C 1234	CERAMIC CAP.	0.1uF	50V	F	UP050F104Z-A-B	K28179003			
C 1235	CERAMIC CAP.	0.1uF	50V	F	UP050F104Z-A-B	K28179003			
C 1236	CERAMIC CAP.	0.1uF	50V	F	UP050F104Z-A-B	K28179003			
C 1237	AL. ELECTRO. CAP.	10uF	50V		50V100M5X11TR5	K46170021			
C 1238	CHIP CAP.	820pF	50V	B	GRM40B821M50PT	K22170804			
C 1239	CHIP CAP.	680pF	50V	B	GRM40B681M50PT	K22170803			
C 1240	CHIP CAP.	0.01uF	50V	B	GRM40B103M50PT	K22170817			
C 1241	CHIP CAP.	0.01uF	50V	B	GRM40B103M50PT	K22170817			
C 1242	CHIP CAP.	0.01uF	50V	B	GRM40B103M50PT	K22170817			
C 1243	CHIP CAP.	0.01uF	50V	B	GRM40B103M50PT	K22170817			
C 1244	CERAMIC CAP.	0.01uF	50V	F	DD106-979F103Z50	K26170657			
C 1245	CHIP CAP.	33pF	50V	CH	GRM40CH330J50PT	K22170223			
C 1246	CERAMIC CAP.	0.047uF	50V	F	DD306-979F473Z50	K26170726		1-	
C 1246	CHIP CAP.	0.047uF	50V	F	GRM40F473Z50PT	K22171008		3-	
C 1247	AL. ELECTRO. CAP.	4.7uF	50V		50V4R7M5X11TR5	K46170020			
C 1248	CHIP CAP.	56pF	50V	CH	GRM40CH560J50PT	K22170229			
C 1249	CHIP CAP.	12pF	50V	CH	GRM40CH120J50PT	K22170213			
C 1250	CHIP CAP.	330pF	50V	CH	GRM40CH331J50PT	K22170247			
C 1251	CHIP CAP.	56pF	50V	CH	GRM42-6CH560J50PT	K22171229		-2	
C 1252	CERAMIC CAP.	12pF	50V	SL	DD104SL120J50	K00175120		-2	
C 1253	CHIP CAP.	330pF	50V	CH	GRM40CH331J50PT	K22170247		-2	
C 1254	CHIP CAP.	0.047uF	25V	B	GRM42-6B473M25PT	K22141808		-2	
C 1255	CHIP CAP.	0.047uF	25V	B	GRM42-6B473M25PT	K22141808		1-	
C 1255	CHIP CAP.	0.047uF	50V	F	GRM40F473Z50PT	K22171008		3-	
C 1256	CHIP CAP.	0.047uF	25V	B	GRM42-6B473M25PT	K22141808		1-	
C 1256	CHIP CAP.	0.047uF	50V	F	GRM40F473Z50PT	K22171008		3-	

REF.	MFGR'S DESIG	VALUE	WV	TOL.	DESCRIPTION	YAESU P/N	VERS.	LOT	ADDR.
C 1257	CHIP CAP.	0.047uF	25V	B	GRM42-6B473M25PT	K22141808		1-	
C 1257	CHIP CAP.	0.047uF	50V	F	GRM40F473Z50PT	K22171008		3-	
C 1258	CHIP CAP.	0.047uF	25V	B	GRM42-6B473M25PT	K22141808		1-	
C 1258	CHIP CAP.	0.047uF	50V	F	GRM40F473Z50PT	K22171008		3-	
C 1259	CHIP CAP.	0.047uF	25V	B	GRM42-6B473M25PT	K22141808		1-	
C 1259	CHIP CAP.	0.047uF	50V	F	GRM40F473Z50PT	K22171008		3-	
C 1260	CHIP CAP.	0.047uF	25V	B	GRM42-6B473M25PT	K22141808		1-	
C 1260	CHIP CAP.	0.047uF	50V	F	GRM40F473Z50PT	K22171008		5-	
CF1001	CERAMIC FILTER				CFW455H	H3900431			
CF1002	CERAMIC FILTER				CFW455I	H3900432			
CF1003	CERAMIC FILTER				CFJ455K15	H3900398			
D 1001	DIODE				1SS270TJ	G2060004			
D 1002	DIODE				1SS270TJ	G2060004			
D 1003	DIODE				1SS198TJ	G2060011			
D 1004	DIODE				1SS198TJ	G2060011			
D 1005	SURGE ABSORBER				DSP201M-S00B	Q9000375			
D 1006	DIODE				1SS270TJ	G2060004			
D 1007	DIODE				1SV157-T1	G2060014			
D 1008	DIODE				1SS83RE	G2050007			
D 1009	DIODE				1SS270TJ	G2060004			
D 1010	DIODE				1SS270TJ	G2060004			
D 1011	DIODE				1SS83RE	G2050007			
D 1012	DIODE				1SV157-T1	G2060014			
D 1013	DIODE				1SS83RE	G2050007			
D 1014	DIODE				1SS270TJ	G2060004			
D 1015	DIODE				1SV157-T1	G2060014			
D 1016	DIODE				1SS83RE	G2050007			
D 1017	DIODE				1SV154	G2090426			
D 1018	DIODE				1SV154	G2090426			
D 1019	DIODE				1SS83RE	G2050007			
D 1020	DIODE				1SV157-T1	G2060014			
D 1021	DIODE				1SV157-T1	G2060014			
D 1022	DIODE				1SS83RE	G2050007			
D 1023	DIODE				1SV154	G2090426			
D 1024	DIODE				1SV154	G2090426			
D 1026	DIODE				1SS198TJ	G2060011			
D 1027	DIODE				1SS198TJ	G2060011			
D 1028	DIODE				1SV157-T1	G2060014			
D 1029	DIODE				1SS83RE	G2050007			
D 1030	DIODE				1SV154	G2090426			
D 1031	DIODE				1SV154	G2090426			
D 1032	DIODE				1SS198TJ	G2060011			
D 1033	DIODE				1SS198TJ	G2060011			
D 1034	DIODE				1SV157-T1	G2060014			
D 1035	DIODE				1SS83RE	G2050007			
D 1036	DIODE				1SV154	G2090426			
D 1037	DIODE				1SV154	G2090426			
D 1038	DIODE				1SS198TJ	G2060011			
D 1039	DIODE				1SS198TJ	G2060011			

REF.	MFGR'S DESIG	VALUE	WV	TOL.	DESCRIPTION	YAESU P/N	VERS.	LOT	ADDR.
D 1040	DIODE				1SS198TJ	G2060011			
D 1042	DIODE				1SV157-T1	G2060014			
D 1043	DIODE				1SS83RE	G2050007			
D 1045	DIODE				1SV157-T1	G2060014			
D 1046	DIODE				1SS83RE	G2050007			
D 1049	DIODE				1SS270TJ	G2060004			
D 1050	DIODE				11ES1	G2090499		1-	
D 1050	DIODE				11ES1-TA1B2	G2060009		5-	
D 1051	DIODE				11ES1	G2090499		1-	
D 1051	DIODE				11ES1-TA1B2	G2060009		5-	
D 1052	DIODE				21DQ04	G2090317			
D 1053	DIODE				1SS270TJ	G2060004			
D 1054	DIODE				1SS270TJ	G2060004			
D 1055	DIODE				1SS270TJ	G2060004			
D 1056	DIODE				1SS270TJ	G2060004			
D 1057	DIODE				1SS270TJ	G2060004			
D 1058	DIODE				1SS270TJ	G2060004			
D 1059	DIODE				1SS198TJ	G2060011			
FH1001	FUSE HOLDER				UF-0033#01	P2000024			
J 1001	CONNECTOR				TMP-J01X-V6	P1090210			
J 1002	CONNECTOR				TMP-J01X-V6	P1090210		1-	
J 1002	CONNECTOR				TMP-J01X-A2	P1090255		3-	
J 1003	CONNECTOR				S-Q2723#50	P1090792			
J 1004	CONNECTOR				JPJ2545-01-510	P1090633			
J 1005	CONNECTOR				SG8035#01	P1090350			
J 1006	CONNECTOR				SG8035#01	P1090350			
J 1007	CONNECTOR				TMP-J01X-A2	P1090255			
J 1009	CONNECTOR				LGP6531-0400	P1090771			
J 1010	CONNECTOR				SC25-03WS	P0090622			
J 1011	CONNECTOR				SC25-03WS	P0090622			
J 1012	CONNECTOR				SC25-02WS	P0090621			
J 1013	CONNECTOR				SC25-05WS	P0090624			
J 1014	CONNECTOR				SC25-03WS	P0090622			
J 1015	CONNECTOR				SC25-05WS	P0090624			
J 1016	CONNECTOR				SC25-03WS	P0090622			
J 1017	CONNECTOR				SC25-07WS	P0090626			
J 1018	CONNECTOR				SC25-05WS	P0090624			
J 1019	CONNECTOR				SC25-02WS	P0090621			
J 1020	CONNECTOR				SC25-04WS	P0090623			
J 1022	CONNECTOR				HSJ0789-01-020	P1090606		1-	
J 1022	CONNECTOR				HSJ1022-01-110	P1090806		3-	
J 1023	CONNECTOR				SC25-04WS	P0090623			
J 1024	CONNECTOR				SBRK 2S-1	P1090812		5-	
L 1001	M.RFC	10uH			LAP02TA100K	L1790058			
L 1002	M.RFC	1mH			LAL03TA102K	L1790119			
L 1003	M.RFC	4.7uH			LAP02TA4R7K	L1790054			
L 1004	COIL				5.5T4.0D0.6UEW R	L0021826A			
L 1005	COIL				3.5T4.0D0.6UEW R	L0021824A			

REF.	MFGR'S DESIG	VALUE	WV	TOL.	DESCRIPTION	YAESU P/N	VERS.	LOT	ADDR.
L 1006	M. RFC	0.27uH			LAP02TAR27K	L1790039			
L 1007	M. RFC	0.33uH			LAP02TAR33K	L1790040			
L 1009	M. RFC	82uH			LAP02TA820K	L1790069			
L 1010	M. RFC	100uH			LAP02TA101K	L1790070			
L 1011	M. RFC	82uH			LAP02TA820K	L1790069			
L 1012	M. RFC	1mH			LAL03TA102K	L1790119			
L 1013	M. RFC	27uH			LAP02TA270K	L1790063			
L 1014	M. RFC	27uH			LAP02TA270K	L1790063			
L 1015	M. RFC	33uH			LAP02TA330K	L1790064			
L 1016	M. RFC	1mH			LAL03TA102K	L1790119			
L 1017	M. RFC	68uH			LAP02TA680K	L1790068			
L 1018	M. RFC	68uH			LAP02TA680K	L1790068			
L 1019	M. RFC	1mH			LAL03TA102K	L1790119			
L 1020	M. RFC	27uH			LAP02TA270K	L1790063			
L 1021	M. RFC	27uH			LAP02TA270K	L1790063			
L 1022	M. RFC	5.6uH			LAP02TA5R6K	L1790055			
L 1023	M. RFC	10uH			LAP02TA100K	L1790058			
L 1024	M. RFC	10uH			LAP02TA100K	L1790058			
L 1025	M. RFC	22uH			LAP02TA220K	L1790062			
L 1026	M. RFC	22uH			LAP02TA220K	L1790062			
L 1027	M. RFC	33uH			LAP02TA330K	L1790064			
L 1028	M. RFC	15uH			LAP02TA150K	L1790060			
L 1029	M. RFC	3.3uH			LAP02TA3R3K	L1790052			
L 1030	M. RFC	6.8uH			LAP02TA6R8K	L1790056			
L 1031	M. RFC	6.8uH			LAP02TA6R8K	L1790056			
L 1032	M. RFC	33uH			LAP02TA330K	L1790064			
L 1033	M. RFC	12uH			LAP02TA120K	L1790059			
L 1034	M. RFC	12uH			LAP02TA120K	L1790059			
L 1035	M. RFC	2.7uH			LAP02TA2R7K	L1790051			
L 1036	M. RFC	5.6uH			LAP02TA5R6K	L1790055			
L 1037	M. RFC	5.6uH			LAP02TA5R6K	L1790055			
L 1038	M. RFC	10uH			LAP02TA100K	L1790058			
L 1039	M. RFC	10uH			LAP02TA100K	L1790058			
L 1040	M. RFC	1.8uH			LAP02TA1R8K	L1790049			
L 1041	M. RFC	1uH			LAP02TA1R0K	L1790046			
L 1042	M. RFC	1.8uH			LAP02TA1R8K	L1790049			
L 1043	M. RFC	4.7uH			LAP02TA4R7K	L1790054			
L 1044	M. RFC	4.7uH			LAP02TA4R7K	L1790054			
L 1045	M. RFC	1uH			LAP02TA1R0K	L1790046			
L 1046	M. RFC	1.5uH			LAP02TA1R5K	L1790048			
L 1047	M. RFC	1.5uH			LAP02TA1R5K	L1790048			
L 1048	M. RFC	2.7uH			LAP02TA2R7K	L1790051			
L 1049	M. RFC	2.7uH			LAP02TA2R7K	L1790051			
L 1050	M. RFC	0.47uH			LAP02TAR47K	L1790042			
L 1051	M. RFC	0.82uH			LAP02TAR82K	L1790045			
L 1052	M. RFC	0.82uH			LAP02TAR82K	L1790045			
L 1053	M. RFC	100uH			LAP02TA101K	L1790070			
L 1054	M. RFC	10uH			LAP02TA100K	L1790058			
P 1001	CONNECTOR				3022-04B	P0090523			
P 1002	CONNECTOR				3022-04B	P0090523			

REF.	MFGR'S DESIG	VALUE	WV	TOL.	DESCRIPTION	YAESU P/N	VERS.	LOT	ADDR.
P 1003	CONNECTOR				06JL-BT-E	P1090800			
Q 1001	TRANSISTOR				DTA124XK T97	G3070048			b2
Q 1002	TRANSISTOR				2SC2712GR TE85R	G3327127G			b1
Q 1003	TRANSISTOR				DTC144EK T97	G3070033			b2
Q 1004	FET				3SK131-T2B V12	G4801317B			b1
Q 1005	FET				3SK131-T2B V12	G4801317B			b1
Q 1006	TRANSISTOR				2SC2053	G3320530			C1
Q 1007	TRANSISTOR				2SC2712GR TE85R	G3327127G			a1
Q 1008	TRANSISTOR				2SC2620QBTR	G3326207B			a3
Q 1009	FET				2SK125	G3801250			C2
Q 1010	FET				2SK302GR TE85R	G3803027G			a2
Q 1011	FET				3SK179-T2 V02	G4801797L			a2
Q 1012	FET				2SK302GR TE85R	G3803027G			a2
Q 1013	FET				2SK125	G3801250			C2
Q 1014	IC				M5223L	G1090988			A3
Q 1015	FET				2SJ125D-T12-1D	G3701257D			d2
Q 1016	FET				3SK131-T2B V12	G4801317B			c3
Q 1017	FET				3SK131-T2B V12	G4801317B			c3
Q 1018	FET				3SK131-T2B V12	G4801317B			c3
Q 1019	TRANSISTOR				2SC2712GR TE85R	G3327127G			d3
Q 1020	TRANSISTOR				2SC2712GR TE85R	G3327127G			d2
Q 1023	IC				UPD4066BC	G1090283			B4
Q 1026	IC				M5218AL	G1091140			A4
Q 1028	TRANSISTOR				2SC458BTZ	G3304584B			A3
Q 1029	TRANSISTOR				2SC458BTZ	G3304584B			A4
Q 1030	TRANSISTOR				DTC144EK T97	G3070033			c4
Q 1031	TRANSISTOR				DTC144EK T97	G3070033			c4
Q 1032	IC				SN74LS145N	G1090395			A1
Q 1033	IC				M5223L	G1090988			C4
Q 1034	IC				TDA2003H	G1090815			D4
Q 1035	TRANSISTOR				2SB1134R	G3211340R			D1
Q 1036	TRANSISTOR				DTC144EK T97	G3070033			a1
Q 1037	TRANSISTOR				2SC458BTZ	G3304584B			D1
Q 1038	FET				2SK302GR TE85R	G3803027G			a2
Q 1039	TRANSISTOR				2SD882P	G3408820P			A4
Q 1040	TRANSISTOR				DTC144EK T97	G3070033			d4
Q 1041	TRANSISTOR				DTC144EK T97	G3070033			d2
Q 1044	TRANSISTOR				DTC144EK T97	G3070033			d3
Q 1046	TRANSISTOR				DTC144EK T97	G3070033			c4
Q 1047	TRANSISTOR				DTA124XK T97	G3070048			a1
Q 1048	TRANSISTOR				DTA124XK T97	G3070048			d3
Q 1049	TRANSISTOR				DTC144EK T97	G3070033			d3
Q 1050	TRANSISTOR				DTC144EK T97	G3070033			c4
Q 1051	FET				2SJ125D-T12-1D	G3701257D			c4
Q 1053	TRANSISTOR				DTC144EK T97	G3070033		1-	d3
Q 1053	TRANSISTOR				DTC144EK T97	G3070033		3-	b1
Q 1054	TRANSISTOR				DTC144EK T97	G3070033			c4
Q 1055	TRANSISTOR				BA1A4P	G3090079		1-	
Q 1055	TRANSISTOR				DTC144EK T97	G3070033		3-	b1

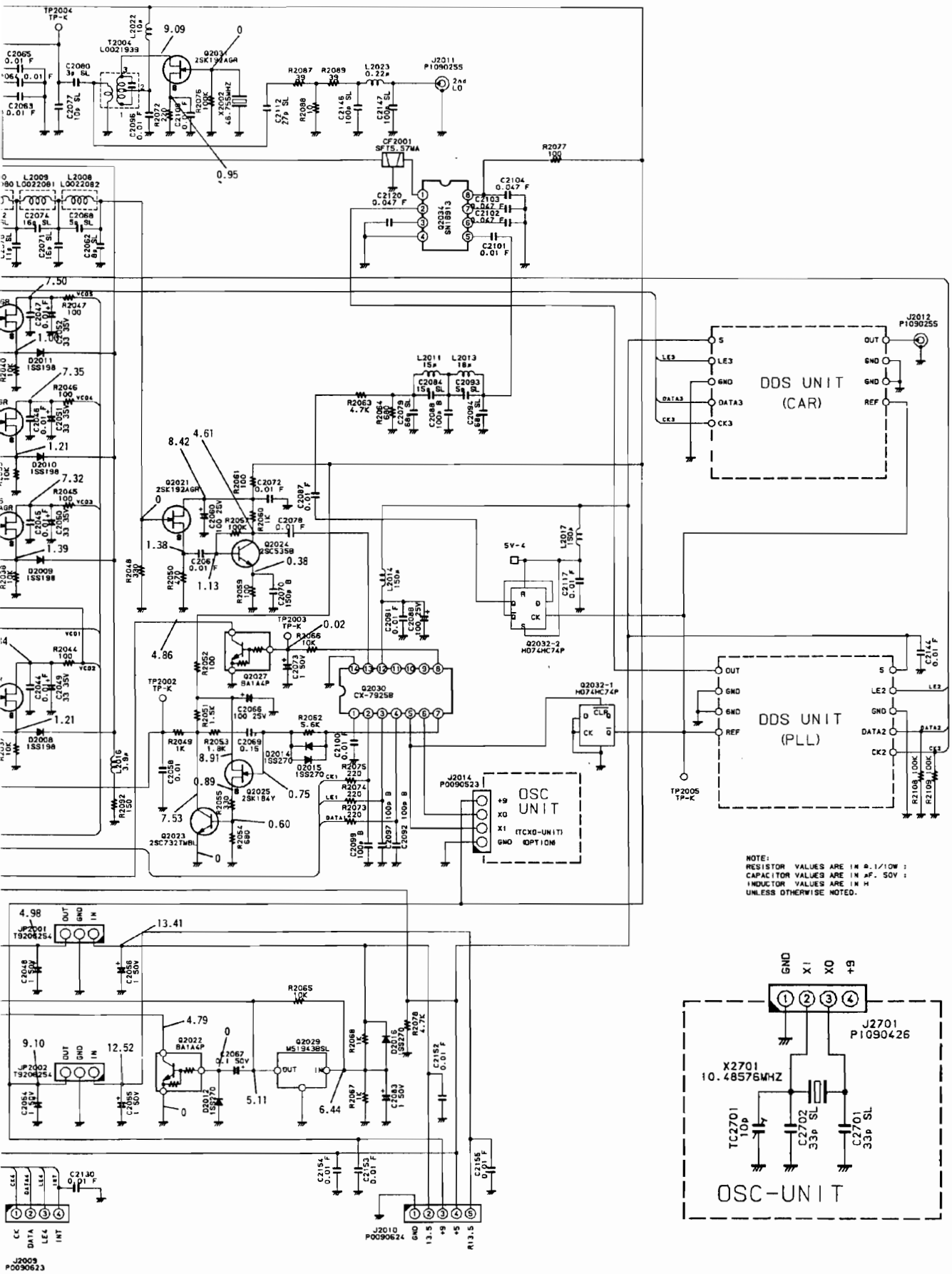
REF.	MFGR'S DESIG	VALUE	WV	TOL.	DESCRIPTION	YAESU P/N	VERS.	LOT	ADDR.
R 1001	CARBON FILM RES.	1M	1/6W	5%	RD16TPJ105	J07225105			
R 1002	CHIP RES.	4.7K	1/10W	5%	RMC1/10T 472J	J24205472			
R 1003	CHIP RES.	4.7K	1/10W	5%	RMC1/10T 472J	J24205472			
R 1005	CHIP RES.	1K	1/10W	5%	RMC1/10T 102J	J24205102			
R 1009	CHIP RES.	47K	1/10W	5%	RMC1/10T 473J	J24205473			
R 1010	CHIP RES.	470K	1/10W	5%	RMC1/10T 474J	J24205474			
R 1013	CHIP RES.	1K	1/10W	5%	RMC1/10T 102J	J24205102			
R 1014	CHIP RES.	10K	1/10W	5%	RMC1/10T 103J	J24205103			
R 1015	CHIP RES.	47K	1/10W	5%	RMC1/10T 473J	J24205473			
R 1016	CHIP RES.	22K	1/10W	5%	RMC1/10T 223J	J24205223			
R 1017	CHIP RES.	470	1/10W	5%	RMC1/10T 471J	J24205471			
R 1018	CHIP RES.	22K	1/10W	5%	RMC1/10T 223J	J24205223			
R 1019	CHIP RES.	150	1/10W	5%	RMC1/10T 151J	J24205151			
R 1020	CHIP RES.	100	1/10W	5%	RMC1/10T 101J	J24205101			
R 1021	CHIP RES.	68	1/10W	5%	RMC1/10T 680J	J24205680			
R 1022	CHIP RES.	330	1/10W	5%	RMC1/10T 331J	J24205331			
R 1023	CHIP RES.	33K	1/10W	5%	RMC1/10T 333J	J24205333			
R 1024	CHIP RES.	100K	1/10W	5%	RMC1/10T 104J	J24205104			
R 1025	CHIP RES.	150	1/10W	5%	RMC1/10T 151J	J24205151			
R 1026	CHIP RES.	100	1/10W	5%	RMC1/10T 101J	J24205101			
R 1027	CHIP RES.	10K	1/10W	5%	RMC1/10T 103J	J24205103			
R 1028	CHIP RES.	100	1/10W	5%	RMC1/10T 101J	J24205101			
R 1029	CHIP RES.	10K	1/10W	5%	RMC1/10T 103J	J24205103			
R 1030	CHIP RES.	4.7K	1/10W	5%	RMC1/10T 472J	J24205472			
R 1031	CHIP RES.	4.7	1/10W	5%	RMC1/10T 4R7J	J24205479			
R 1032	CHIP RES.	10K	1/10W	5%	RMC1/10T 103J	J24205103			
R 1033	CHIP RES.	47	1/10W	5%	RMC1/10T 470J	J24205470			
R 1034	CHIP RES.	150	1/10W	5%	RMC1/10T 151J	J24205151			
R 1035	CHIP RES.	100K	1/10W	5%	RMC1/10T 104J	J24205104			
R 1036	CARBON FILM RES.	56	1/4W	5%	RD25UJ560T	J06245560			
R 1037	CHIP RES.	100K	1/10W	5%	RMC1/10T 104J	J24205104			
R 1039	CHIP RES.	22K	1/10W	5%	RMC1/10T 223J	J24205223			
R 1040	CARBON FILM RES.	33	1/6W	5%	RD16TPJ330	J07225330			
R 1041	CHIP RES.	470	1/10W	5%	RMC1/10T 471J	J24205471			
R 1042	CHIP RES.	680	1/10W	5%	RMC1/10T 681J	J24205681			
R 1043	CHIP RES.	15K	1/10W	5%	RMC1/10T 153J	J24205153			
R 1044	CHIP RES.	15K	1/10W	5%	RMC1/10T 153J	J24205153			
R 1045	CARBON FILM RES.	100	1/6W	5%	RD16TPJ101	J07225101			
R 1047	CHIP RES.	33K	1/10W	5%	RMC1/10T 333J	J24205333			
R 1048	CHIP RES.	270	1/10W	5%	RMC1/10T 271J	J24205271			
R 1049	CHIP RES.	270	1/10W	5%	RMC1/10T 271J	J24205271			
R 1050	CHIP RES.	680	1/10W	5%	RMC1/10T 681J	J24205681			
R 1051	CHIP RES.	47K	1/10W	5%	RMC1/10T 473J	J24205473			
R 1052	CHIP RES.	470	1/10W	5%	RMC1/10T 471J	J24205471			
R 1053	CHIP RES.	10K	1/10W	5%	RMC1/10T 103J	J24205103			
R 1054	CARBON FILM RES.	560K	1/6W	5%	RD16TPJ564	J07225564			
R 1055	CARBON FILM RES.	330	1/2W		RD12TJ331	J01275331			
R 1056	CHIP RES.	220	1/10W	5%	RMC1/10T 221J	J24205221			
R 1057	CARBON FILM RES.	100	1/6W	5%	RD16TPJ101	J07225101			
R 1058	CHIP RES.	390	1/10W	5%	RMC1/10T 391J	J24205391			
R 1059	CHIP RES.	4.7K	1/10W	5%	RMC1/10T 472J	J24205472			

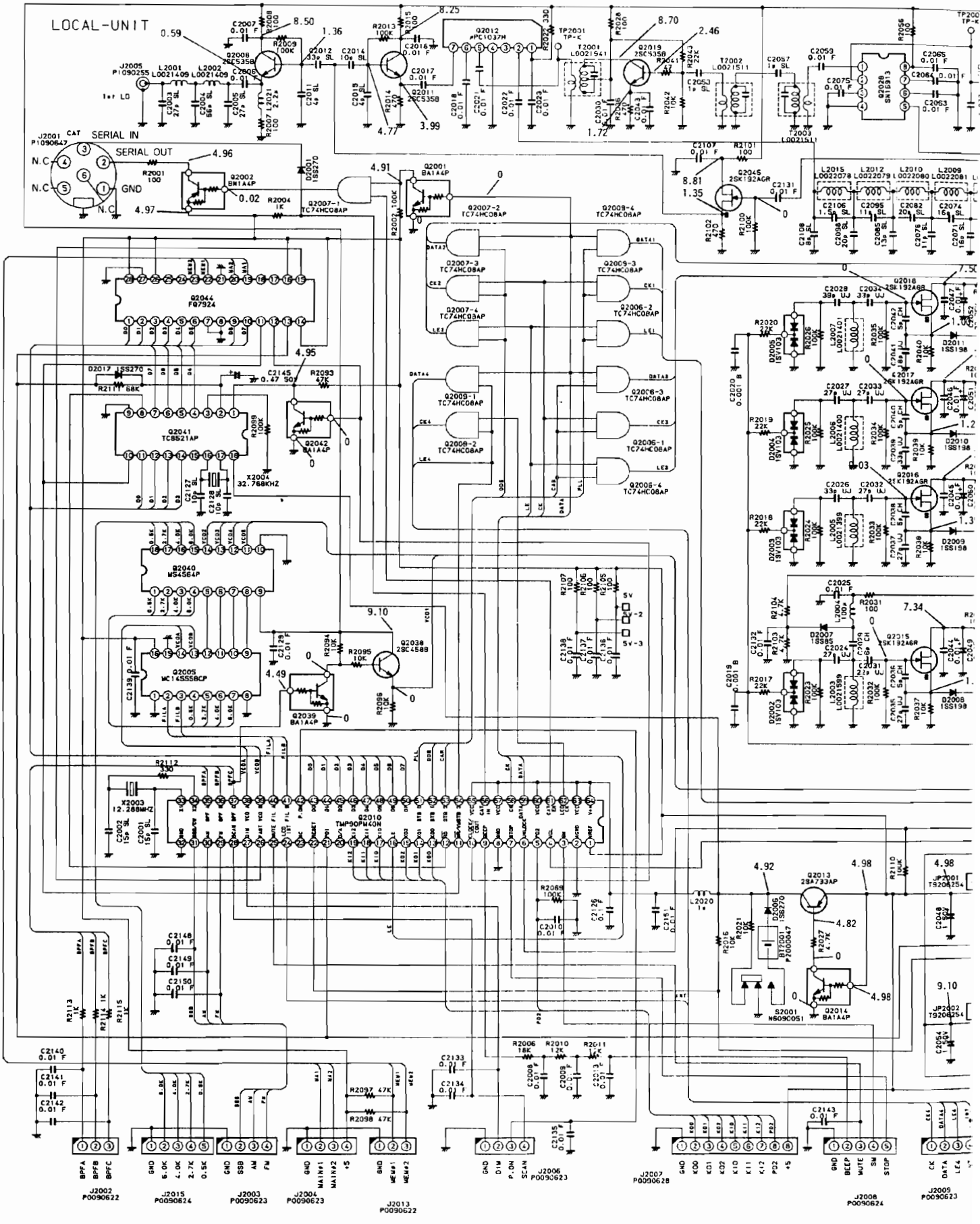
REF.	MFGR'S DESIG	VALUE	WV	TOL.	DESCRIPTION	YAESU P/N	VERS.	LOT	ADDR.
R 1060	CARBON FILM RES.	100	1/6W	5%	RD16TPJ101	J07225101			
R 1061	CHIP RES.	4.7K	1/10W	5%	RMC1/10T 472J	J24205472			
R 1062	CARBON FILM RES.	33	1/6W	5%	RD16TPJ330	J07225330			
R 1063	CHIP RES.	100	1/10W	5%	RMC1/10T 101J	J24205101			
R 1064	CARBON FILM RES.	100K	1/6W	5%	RD16TPJ104	J07225104			
R 1067	CHIP RES.	100	1/10W	5%	RMC1/10T 101J	J24205101			
R 1068	CARBON FILM RES.	100K	1/6W	5%	RD16TPJ104	J07225104			
R 1069	CHIP RES.	4.7K	1/10W	5%	RMC1/10T 472J	J24205472			
R 1070	CHIP RES.	4.7K	1/10W	5%	RMC1/10T 472J	J24205472			
R 1071	CARBON FILM RES.	33	1/6W	5%	RD16TPJ330	J07225330			
R 1072	CHIP RES.	100	1/10W	5%	RMC1/10T 101J	J24205101			
R 1073	CHIP RES.	150K	1/10W	5%	RMC1/10T 154J	J24205154			
R 1074	CARBON FILM RES.	100K	1/6W	5%	RD16TPJ104	J07225104			
R 1075	CHIP RES.	10K	1/10W	5%	RMC1/10T 103J	J24205103			
R 1076	CARBON FILM RES.	100K	1/6W	5%	RD16TPJ104	J07225104			
R 1077	CHIP RES.	100	1/10W	5%	RMC1/10T 101J	J24205101			
R 1078	CHIP RES.	100	1/10W	5%	RMC1/10T 101J	J24205101			
R 1079	CHIP RES.	100K	1/10W	5%	RMC1/10T 104J	J24205104			
R 1080	CHIP RES.	47	1/10W	5%	RMC1/10T 470J	J24205470			
R 1082	CHIP RES.	15K	1/10W	5%	RMC1/10T 153J	J24205153			
R 1083	CHIP RES.	15K	1/10W	5%	RMC1/10T 153J	J24205153			
R 1084	CARBON FILM RES.	220	1/6W	5%	RD16TPJ221	J07225221			
R 1085	CARBON FILM RES.	100	1/6W	5%	RD16TPJ101	J07225101			
R 1086	CHIP RES.	100K	1/10W	5%	RMC1/10T 104J	J24205104			
R 1087	CHIP RES.	100K	1/10W	5%	RMC1/10T 104J	J24205104			
R 1088	CHIP RES.	10K	1/10W	5%	RMC1/10T 103J	J24205103			
R 1089	CHIP RES.	15K	1/10W	5%	RMC1/10T 153J	J24205153			
R 1090	CHIP RES.	10K	1/10W	5%	RMC1/10T 103J	J24205103			
R 1091	CHIP RES.	1.5M	1/10W	5%	RMC1/10T 155J	J24205155			
R 1092	CHIP RES.	6.8K	1/10W	5%	RMC1/10T 682J	J24205682			
R 1093	CARBON FILM RES.	150K	1/6W	5%	RD16TPJ154	J07225154			
R 1094	CHIP RES.	4.7K	1/10W	5%	RMC1/10T 472J	J24205472			
R 1095	CHIP RES.	4.7K	1/10W	5%	RMC1/10T 472J	J24205472			
R 1096	CHIP RES.	100	1/10W	5%	RMC1/10T 101J	J24205101			
R 1097	CHIP RES.	100	1/10W	5%	RMC1/10T 101J	J24205101			
R 1098	CARBON FILM RES.	33	1/6W	5%	RD16TPJ330	J07225330			
R 1099	CHIP RES.	100	1/10W	5%	RMC1/10T 101J	J24205101			
R 1100	CHIP RES.	1K	1/10W	5%	RMC1/10T 102J	J24205102			
R 1101	CHIP RES.	100	1/10W	5%	RMC1/10T 101J	J24205101			
R 1103	CHIP RES.	22K	1/10W	5%	RMC1/10T 223J	J24205223			
R 1104	CHIP RES.	100	1/10W	5%	RMC1/10T 101J	J24205101			
R 1105	CHIP RES.	150	1/10W	5%	RMC1/10T 151J	J24205151			
R 1106	CHIP RES.	27K	1/10W	5%	RMC1/10T 273J	J24205273			
R 1107	CHIP RES.	100	1/10W	5%	RMC1/10T 101J	J24205101			
R 1108	CHIP RES.	150	1/10W	5%	RMC1/10T 151J	J24205151			
R 1109	CHIP RES.	47K	1/10W	5%	RMC1/10T 473J	J24205473			
R 1110	CHIP RES.	100K	1/10W	5%	RMC1/10T 104J	J24205104			
R 1111	CHIP RES.	27K	1/10W	5%	RMC1/10T 273J	J24205273			
R 1112	CHIP RES.	4.7K	1/10W	5%	RMC1/10T 472J	J24205472			
R 1113	CARBON FILM RES.	390	1/2W		RD12TJ391	J01275391			
R 1114	CARBON FILM RES.	33	1/6W	5%	RD16TPJ330	J07225330			

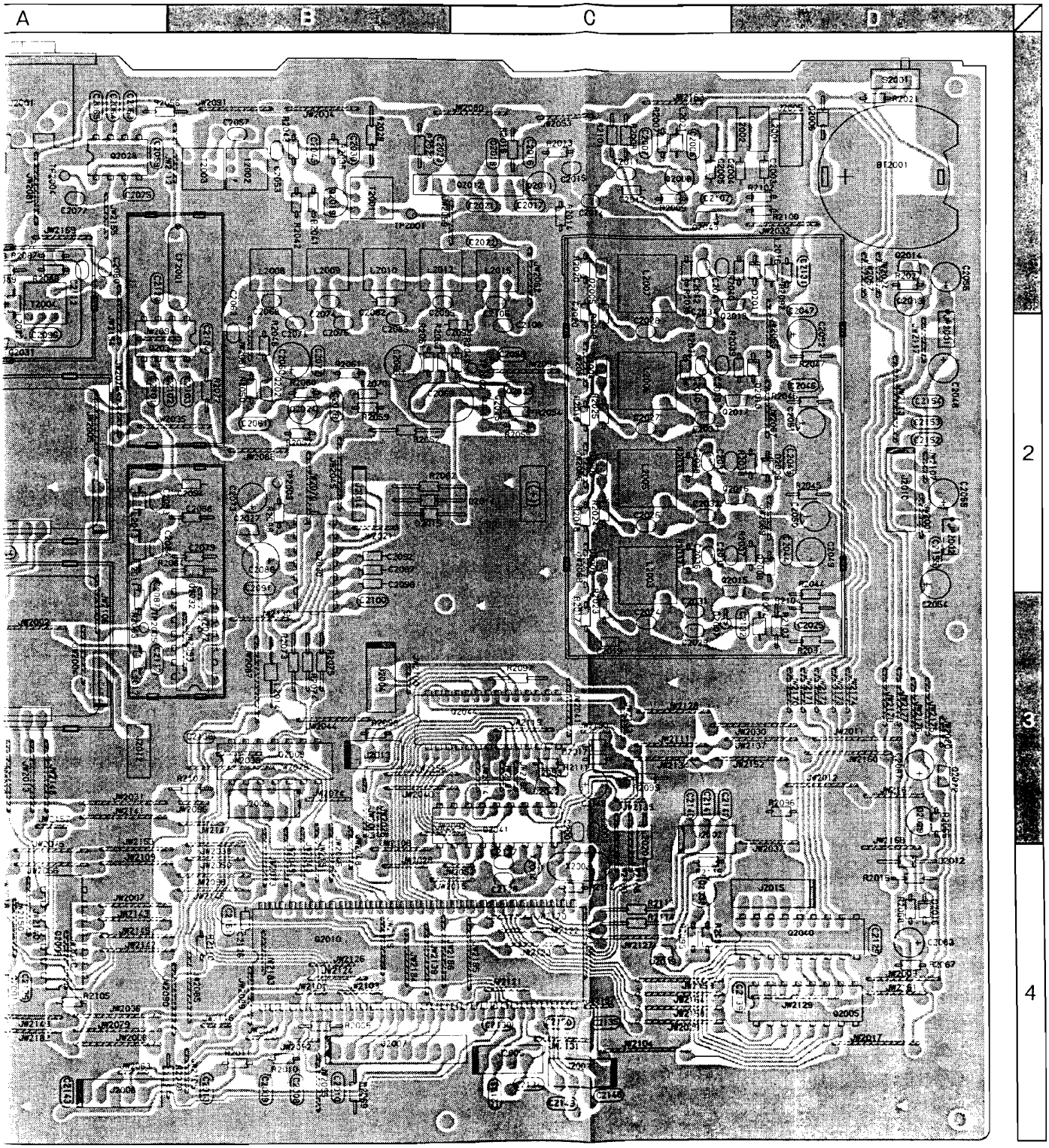
REF.	MFGR'S DESIG	VALUE	WV	TOL.	DESCRIPTION	YAESU P/N	VERS.	LOT	ADDR.
R 1115	CHIP RES.	4.7K	1/10W	5%	RMC1/10T 472J	J24205472			
R 1116	CHIP RES.	4.7K	1/10W	5%	RMC1/10T 472J	J24205472			
R 1117	CHIP RES.	100	1/10W	5%	RMC1/10T 101J	J24205101			
R 1118	CHIP RES.	100	1/10W	5%	RMC1/10T 101J	J24205101			
R 1119	CARBON FILM RES.	33	1/6W	5%	RD16TPJ330	J07225330			
R 1120	CHIP RES.	100	1/10W	5%	RMC1/10T 101J	J24205101			
R 1122	CHIP RES.	100	1/10W	5%	RMC1/10T 101J	J24205101			
R 1123	CHIP RES.	470	1/10W	5%	RMC1/10T 471J	J24205471			
R 1125	CHIP RES.	10K	1/10W	5%	RMC1/10T 103J	J24205103			
R 1127	CHIP RES.	4.7K	1/10W	5%	RMC1/10T 472J	J24205472			
R 1128	CARBON FILM RES.	4.7K	1/6W	5%	RD16TPJ472	J07225472			
R 1129	CHIP RES.	270	1/10W	5%	RMC1/10T 271J	J24205271			
R 1130	CHIP RES.	470	1/10W	5%	RMC1/10T 471J	J24205471			
R 1131	CHIP RES.	100K	1/10W	5%	RMC1/10T 104J	J24205104			
R 1132	CARBON FILM RES.	33	1/6W	5%	RD16TPJ330	J07225330			
R 1133	CHIP RES.	100	1/10W	5%	RMC1/10T 101J	J24205101			
R 1134	CARBON FILM RES.	100	1/6W	5%	RD16TPJ101	J07225101			
R 1135	CARBON FILM RES.	100	1/6W	5%	RD16TPJ101	J07225101			
R 1136	CHIP RES.	100K	1/10W	5%	RMC1/10T 104J	J24205104			
R 1137	CHIP RES.	100	1/10W	5%	RMC1/10T 101J	J24205101			
R 1138	CHIP RES.	12K	1/10W	5%	RMC1/10T 123J	J24205123			
R 1139	CHIP RES.	12K	1/10W	5%	RMC1/10T 123J	J24205123			
R 1140	CHIP RES.	100K	1/10W	5%	RMC1/10T 104J	J24205104			
R 1141	CHIP RES.	1M	1/10W	5%	RMC1/10T 105J	J24205105			
R 1142	CHIP RES.	10K	1/10W	5%	RMC1/10T 103J	J24205103			
R 1143	CHIP RES.	100K	1/10W	5%	RMC1/10T 104J	J24205104			
R 1144	CHIP RES.	100K	1/10W	5%	RMC1/10T 104J	J24205104			
R 1145	CHIP RES.	100K	1/10W	5%	RMC1/10T 104J	J24205104			
R 1146	CARBON FILM RES.	100	1/6W	5%	RD16TPJ101	J07225101			
R 1147	CHIP RES.	100K	1/10W	5%	RMC1/10T 104J	J24205104			
R 1149	CARBON FILM RES.	33	1/6W	5%	RD16TPJ330	J07225330			
R 1150	CHIP RES.	100	1/10W	5%	RMC1/10T 101J	J24205101			
R 1151	CHIP RES.	10K	1/10W	5%	RMC1/10T 103J	J24205103			
R 1152	CHIP RES.	1K	1/10W	5%	RMC1/10T 102J	J24205102			
R 1154	CHIP RES.	100K	1/10W	5%	RMC1/10T 104J	J24205104			
R 1155	CHIP RES.	220K	1/10W	5%	RMC1/10T 224J	J24205224			
R 1156	CHIP RES.	100K	1/10W	5%	RMC1/10T 104J	J24205104			
R 1157	CHIP RES.	1K	1/10W	5%	RMC1/10T 102J	J24205102			
R 1158	CARBON FILM RES.	33	1/6W	5%	RD16TPJ330	J07225330			
R 1159	CHIP RES.	100	1/10W	5%	RMC1/10T 101J	J24205101			
R 1160	CHIP RES.	2.2K	1/10W	5%	RMC1/10T 222J	J24205222			
R 1161	CHIP RES.	10K	1/10W	5%	RMC1/10T 103J	J24205103			
R 1162	CARBON FILM RES.	47K	1/6W	5%	RD16TPJ473	J07225473			
R 1163	CARBON FILM RES.	220	1/6W	5%	RD16TPJ221	J07225221			
R 1164	CARBON FILM RES.	1	1/6W	5%	RD16TPJ010	J07225010			
R 1165	CARBON FILM RES.	10K	1/6W	5%	RD16TPJ103	J07225103			
R 1166	CARBON FILM RES.	6.8K	1/6W	5%	RD16TPJ682	J07225682			
R 1167	CARBON FILM RES.	4.7	1/6W	5%	RD16TPJ4R7	J07225479			
R 1168	CARBON FILM RES.	3.3K	1/6W	5%	RD16TPJ332	J07225332			
R 1169	METAL FILM RES.	33	1W		ERG-1SJ330	J22305330			
R 1170	CHIP RES.	220	1/10W	5%	RMC1/10T 221J	J24205221			

REF.	MFGR'S DESIG	VALUE	WV	TOL.	DESCRIPTION	YAESU P/N	VERS.	LOT	ADDR.
R 1171	CHIP RES.	100K	1/10W	5%	RMC1/10T 104J	J24205104			
R 1172	CHIP RES.	100	1/10W	5%	RMC1/10T 101J	J24205101			
R 1173	CHIP RES.	2.2K	1/10W	5%	RMC1/10T 222J	J24205222			
R 1174	CARBON FILM RES.	10	1/6W		RD16PJ100	J01225100		1-	
R 1174	CARBON FILM RES.	10	1/6W	5%	RD16TPJ100	J07225100		5-	
R 1175	CARBON FILM RES.	8.2K	1/6W	5%	RD16TPJ822	J07225822			
R 1176	CARBON FILM RES.	100K	1/6W	5%	RD16TPJ104	J07225104			
R 1177	METAL FILM RES.	22	2W		ERG-2SJ220	J22335220			
R 1179	CARBON FILM RES.	10K	1/6W	5%	RD16TPJ103	J07225103			
R 1182	CARBON FILM RES.	10K	1/6W	5%	RD16TPJ103	J07225103			
R 1183	CHIP RES.	1M	1/10W	5%	RMC1/10T 105J	J24205105			
R 1189	CHIP RES.	100K	1/10W	5%	RMC1/10T 104J	J24205104			
R 1190	CHIP RES.	39	1/10W	5%	RMC1/10T 390J	J24205390			
R 1191	CARBON FILM RES.	10K	1/6W	5%	RD16TPJ103	J07225103			
R 1192	CHIP RES.	6.8K	1/10W	5%	RMC1/10T 682J	J24205682			
R 1193	CHIP RES.	0	1/10W	5%	RMC1/10T 000J	J24205000			
R 1194	CHIP RES.	1K	1/10W	5%	RMC1/10T 102J	J24205102			
R 1195	CHIP RES.	100K	1/10W	5%	RMC1/10T 104J	J24205104			
R 1196	CHIP RES.	100K	1/10W	5%	RMC1/10T 104J	J24205104			
R 1197	CARBON FILM RES.	100K	1/6W	5%	RD16TPJ104	J07225104			
R 1198	CHIP RES.	100K	1/10W	5%	RMC1/10T 104J	J24205104			
R 1199	CHIP RES.	100K	1/10W	5%	RMC1/10T 104J	J24205104			
R 1200	CARBON FILM RES.	1M	1/6W	5%	RD16TPJ105	J07225105			
R 1201	CHIP RES.	56K	1/10W	5%	RMC1/10T 563J	J24205563			
R 1202	CHIP RES.	2.2K	1/10W	5%	RMC1/10T 222J	J24205222			
R 1203	CHIP RES.	10K	1/10W	5%	RMC1/10T 103J	J24205103			
R 1204	CHIP RES.	10K	1/10W	5%	RMC1/10T 103J	J24205103			
R 1205	CHIP RES.	10K	1/10W	5%	RMC1/10T 103J	J24205103			
R 1206	CHIP RES.	10K	1/10W	5%	RMC1/10T 103J	J24205103			
R 1207	CHIP RES.	10K	1/10W	5%	RMC1/10T 103J	J24205103			
R 1208	CHIP RES.	1K	1/10W	5%	RMC1/10T 102J	J24205102			
R 1209	CHIP RES.	18K	1/10W	5%	RMC1/10T 183J	J24205183			
R 1211	CHIP RES.	10K	1/10W	5%	RMC1/10T 103J	J24205103			
R 1212	CHIP RES.	100K	1/10W	5%	RMC1/10T 104J	J24205104			
R 1213	CARBON FILM RES.	47K	1/6W	5%	RD16TPJ473	J07225473			
R 1214	CARBON FILM RES.	10K	1/6W		RD16PJ103	J01225103		1-	
R 1214	CHIP RES.	10K	1/10W	5%	RMC1/10T 103J	J24205103		5-	
R 1215	CARBON FILM RES.	3.9K	1/6W		RD16PJ392	J01225392		1-	
R 1215	CHIP RES.	3.9K	1/10W	5%	RMC1/10T 392J	J24205392		5-	
RB1001	BLOCK RES.				EXB-P88473	J40900030			
RL1001	RELAY		DC12V		AG4013	M1190090			
RL1002	RELAY		DC12V		AG4013	M1190090			
RL1003	RELAY		DC 8V		UFM10208	M1190018		1-	
RL1003	RELAY		DC12V		AG4013	M1190090		3-	
S 1001	SLIDE SWITCH				SSS212299	N6090051			
T 1001	COIL				455K	L0190002			
T 1002	COIL				455K	L0190002			

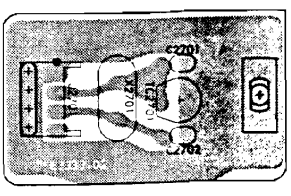
REF.	MFGR'S DESIG	VALUE	WV	TOL.	DESCRIPTION	YAESU P/N	VERS.	LOT	ADDR.
T 1003	COIL				46.08M R12-M421A	L0021939			
T 1004	COIL				9-1 2D3 TR6X3	L0020789A			
T 1005	COIL				4-1	L0022216			
T 1006	COIL				47.1M R12-M411A	L0021225			
T 1007	COIL				48.64M R12-J767A	L0021943			
T 1008	COIL				47.0M	L0021537			
T 1009	COIL				47.1M R12-M412A	L0021223			
T 1010	COIL				47.0M	L0021482A			
T 1011	COIL					L0021476			
T 1012	COIL				455K	L0190002			
T 1013	COIL				455K	L0190002			
T 1014	COIL				R12-7947C	L0020422			
T 1015	COIL				455K	L0190002			
T 1016	COIL				455K	L0190002			
T 1017	COIL				R12-7943B	L0020420			
T 1018	COIL				4-1 2001F	L0020883			
T 1019	COIL				455K	L0190002			
TH1001	THERMISTOR				112502-2	G9090035			
TH1002	THERMISTOR				112501-2	G9090013			
TP1002	TP-K				IPS-1136	Q5000050			
TP1003	TP-K				IPS-1136	Q5000050			
TP1004	TP-K				IPS-1136	Q5000050			
TP1005	TP-K				IPS-1136	Q5000050		-4	
TP1006	TP-K				IPS-1136	Q5000050		-4	
VR1001	POT.	10K			EVN-DXAA03B14	J51783103			
VR1002	POT.	5K			EVN-DXAA03B53	J51783502			
VR1004	POT.	10K			EVN-DXAA03B14	J51783103			
VR1005	POT.	10K			EVN-DXAA03B14	J51783103			
XF1001	XTAL				47G10B1	H1102196			
	FUSE CLIP				UF-0033#01	P2000024			
	SHIELD CASE					R0102660A			
	SHIELD COVER					R0102670			
	SHIELD CASE					R0131670A			
	SHIELD COVER					R0131680			
	SHIELD CASE					R0136980		1-	
	SHIELD CASE					R0136980A		2-	
	SHIELD COVER					R0136990			
	LEAF SPRING(2pcs)					R0140031			
	HEATSINK PLATE					R0140810B			
	SHIELD PLATE					R0146200			
	SHIELD PLATE					R0146201			
	SHIELD PLATE					R0146211			
	SHIELD PLATE					R0146212			
	SHIELD PLATE					R0146380			
	NYLON RIVET				FNRP 3.0X4.5	S6000031			
	CARD SPACER(2pcs)				WLS-04-0	S6000191			
	THERMAL CONDUCTOR					Q9000548			



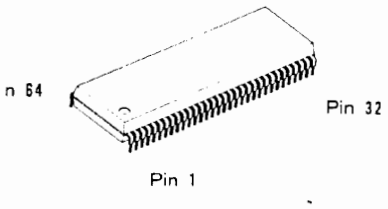




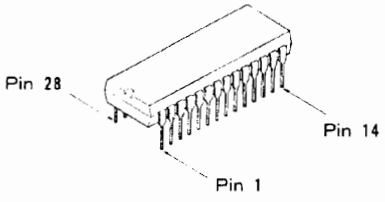
component side (Local Unit)



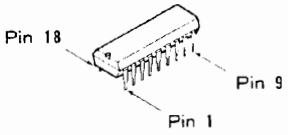
component side (OSC Unit)



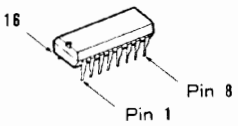
TMP90CM40N
(Q2010)



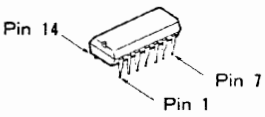
FQ7924
(Q2044)



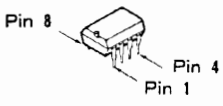
M54564P
(Q2040)
TC8521AP
(Q2041)



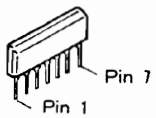
MC14555BCP
(Q2005)



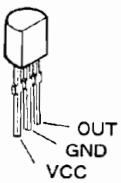
TC74HC08AP
(Q2006,2007,2009)
CX-7925B
(Q2030)
HD74HC74AP
(Q2032)



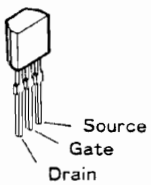
SN16913P
(Q2028,2034)



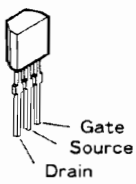
μPC1037H
(Q2012)



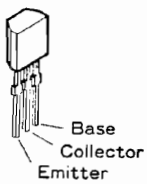
M51943BSL
(Q2029)



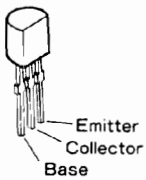
2SK184Y
(Q2025)



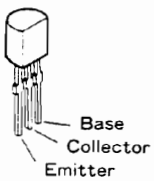
2SK192AGR
(Q2015,2016,2017
2018,2021,2031
2045)



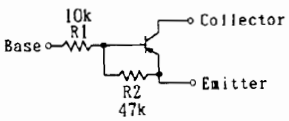
2SA733AP
(Q2013)
2SC732TMBL
(Q2023)
2SC458BTZ
(Q2038)



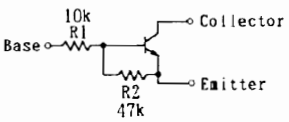
2SC535BTZ
(Q2008,2011,2019
2024)



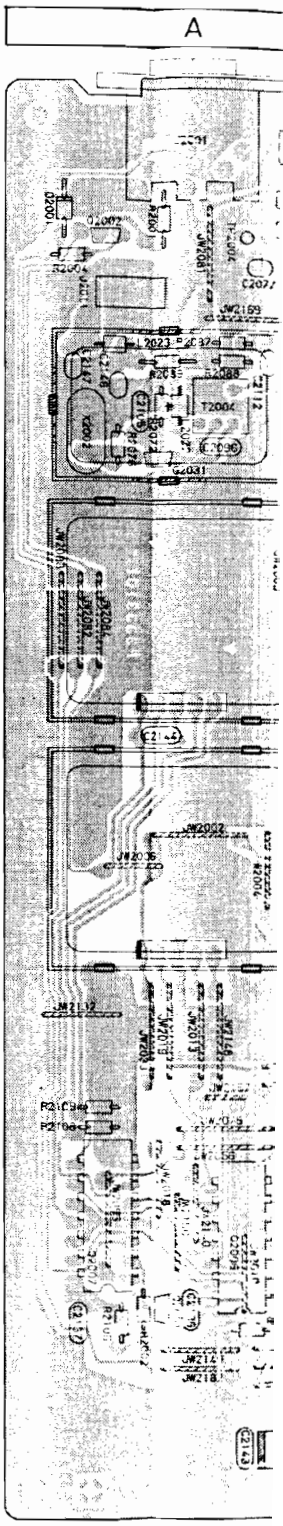
BN1A4P
(Q2002)
BA1A4P
(Q2001,2014,2022
2027,2039,2042)



BN1A4P Circuit Diagram



BA1A4P Circuit Diagram



REF.	MFGR'S DESIG	VALUE	WV	TOL.	DESCRIPTION	YAESU P/N	VERS.	LOT	ADDR.
		*** LOCAL UNIT ***							
	PCB With PLL-DDS,CAR-DDS,OSC UNIT					CP4141001			
	Printed Circuit Board					F3333101		1-	
	Printed Circuit Board					F3333101A		5-	
BT2001	BATTERY HOLDER				CR2032	P2000047			
C 2001	CERAMIC CAP.	15pF	50V	SL	DD104-979SL150J50	K26171009			
C 2002	CERAMIC CAP.	15pF	50V	SL	DD104-979SL150J50	K26171009			
C 2003	CERAMIC CAP.	27pF	50V	SL	UP050SL270J-A-B	K28179028			
C 2004	CERAMIC CAP.	56pF	50V	SL	UP050SL560J-A-B	K28179032			
C 2005	CERAMIC CAP.	27pF	50V	SL	UP050SL270J-A-B	K28179028			
C 2006	CERAMIC CAP.	0.01uF	50V	F	DD106-979F103Z50	K26170657			
C 2007	CERAMIC CAP.	0.01uF	50V	F	DD106-979F103Z50	K26170657			
C 2008	CERAMIC CAP.	0.01uF	50V	F	DD106-979F103Z50	K26170657			
C 2009	CERAMIC CAP.	0.01uF	50V	F	DD106-979F103Z50	K26170657			
C 2010	CERAMIC CAP.	0.01uF	50V	F	DD106-979F103Z50	K26170657			
C 2011	CERAMIC CAP.	4pF	50V	SL	DD104-979SL040C50	K26170099			
C 2012	CERAMIC CAP.	33pF	50V	SL	UP050SL330J-A-B	K28179030			
C 2013	CERAMIC CAP.	0.01uF	50V	F	DD106-979F103Z50	K26170657			
C 2014	CERAMIC CAP.	10pF	50V	SL	DD104-979SL100D50	K26171005			
C 2015	CERAMIC CAP.	4pF	50V	SL	DD104-979SL040C50	K26170099			
C 2016	CERAMIC CAP.	0.01uF	50V	F	DD106-979F103Z50	K26170657			
C 2017	CERAMIC CAP.	0.01uF	50V	F	DD106-979F103Z50	K26170657			
C 2018	CERAMIC CAP.	0.01uF	50V	F	DD106-979F103Z50	K26170657			
C 2019	CERAMIC CAP.	0.001uF	50V	B	UP050B102K-A-B	K28179001			
C 2020	CERAMIC CAP.	0.001uF	50V	B	UP050B102K-A-B	K28179001			
C 2021	CERAMIC CAP.	0.01uF	50V	F	DD106-979F103Z50	K26170657			
C 2022	CERAMIC CAP.	0.01uF	50V	F	DD106-979F103Z50	K26170657			
C 2023	CERAMIC CAP.	0.01uF	50V	F	DD106-979F103Z50	K26170657			
C 2024	CERAMIC CAP.	27pF	50V	UJ	DD104-979UJ270J50	K26171202			
C 2025	CERAMIC CAP.	0.01uF	50V	F	DD106-979F103Z50	K26170657			
C 2026	CERAMIC CAP.	33pF	50V	UJ	DD104-979UJ330J50	K26171204			
C 2027	CERAMIC CAP.	27pF	50V	UJ	DD104-979UJ270J50	K26171202			
C 2028	CERAMIC CAP.	39pF	50V	UJ	DD104-979UJ390J50	K26171206			
C 2029	CERAMIC CAP.	6pF	50V	CH	DD104-979CH060D50	K26170175			
C 2030	CERAMIC CAP.	0.01uF	50V	F	DD106-979F103Z50	K26170657			
C 2031	CERAMIC CAP.	22pF	50V	UJ	DD104-979UJ220J50	K26170300			
C 2032	CERAMIC CAP.	27pF	50V	UJ	DD104-979UJ270J50	K26171202			
C 2033	CERAMIC CAP.	27pF	50V	UJ	DD104-979UJ270J50	K26171202			
C 2034	CERAMIC CAP.	33pF	50V	UJ	DD104-979UJ330J50	K26171204			
C 2035	CERAMIC CAP.	27pF	50V	UJ	DD104-979UJ270J50	K26171202			
C 2036	CERAMIC CAP.	5pF	50V	CH	DD104-979CH050C50	K26170174			
C 2037	CERAMIC CAP.	27pF	50V	UJ	DD104-979UJ270J50	K26171202			
C 2038	CERAMIC CAP.	5pF	50V	CH	DD104-979CH050C50	K26170174			
C 2039	CERAMIC CAP.	18pF	50V	UJ	DD104-979UJ180J50	K26170298			
C 2040	CERAMIC CAP.	5pF	50V	CH	DD104-979CH050C50	K26170174			
C 2041	CERAMIC CAP.	18pF	50V	UJ	DD104-979UJ180J50	K26170298			
C 2042	CERAMIC CAP.	5pF	50V	CH	DD104-979CH050C50	K26170174			
C 2043	CERAMIC CAP.	0.01uF	50V	F	DD106-979F103Z50	K26170657			

REF.	MFGR'S DESIG	VALUE	WV	TOL.	DESCRIPTION	YAESU P/N	VERS.	LOT	ADDR.
C 2044	CERAMIC CAP.	0.01uF	50V	F	DD106-979F103Z50	K26170657			
C 2045	CERAMIC CAP.	0.01uF	50V	F	DD106-979F103Z50	K26170657			
C 2046	CERAMIC CAP.	0.01uF	50V	F	DD106-979F103Z50	K26170657			
C 2047	CERAMIC CAP.	0.01uF	50V	F	DD106-979F103Z50	K26170657			
C 2048	AL. ELECTRO. CAP.	1uF	50V		50V010M5X11TR5	K46170017			
C 2049	AL. ELECTRO. CAP.	33uF	35V		35V330M5X11TR5	K46160002			
C 2050	AL. ELECTRO. CAP.	33uF	35V		35V330M5X11TR5	K46160002			
C 2051	AL. ELECTRO. CAP.	33uF	35V		35V330M5X11TR5	K46160002			
C 2052	AL. ELECTRO. CAP.	33uF	35V		35V330M5X11TR5	K46160002			
C 2053	CERAMIC CAP.	1pF	50V	SL	DD104-979SL010C50	K26170095			
C 2054	AL. ELECTRO. CAP.	1uF	50V		50V010M5X11TR5	K46170017			
C 2055	AL. ELECTRO. CAP.	1uF	50V		50V010M5X11TR5	K46170017			
C 2056	AL. ELECTRO. CAP.	1uF	50V		50V010M5X11TR5	K46170017			
C 2057	CERAMIC CAP.	1pF	50V	SL	DD104-979SL010C50	K26170095			
C 2058	CAP.	0.01uF	50V		50F2Z103MTP	K56170057			
C 2059	CERAMIC CAP.	0.01uF	50V	F	DD106-979F103Z50	K26170657			
C 2060	AL. ELECTRO. CAP.	100uF	25V		25V101M6X11TR5	K46140005			
C 2061	CERAMIC CAP.	0.01uF	50V	F	DD106-979F103Z50	K26170657			
C 2062	CERAMIC CAP.	8pF	50V	SL	DD104-979SL080D50	K26171003			
C 2063	CERAMIC CAP.	0.01uF	50V	F	DD106-979F103Z50	K26170657			
C 2064	CERAMIC CAP.	0.01uF	50V	F	DD106-979F103Z50	K26170657			
C 2065	CERAMIC CAP.	0.01uF	50V	F	DD106-979F103Z50	K26170657			
C 2066	AL. ELECTRO. CAP.	100uF	25V		25V101M6X11TR5	K46140005			
C 2067	AL. ELECTRO. CAP.	0.1uF	50V		50VR10M5X11TR5	K46170013			
C 2068	CERAMIC CAP.	5pF	50V	SL	DD104-979SL050C50	K26170100			
C 2069	FILM CAP.	0.15uF	50V		50F2U154M	K50177154			
C 2070	CERAMIC CAP.	150pF	50V	B	UP050B151K-A-B	K28179081			
C 2071	CERAMIC CAP.	16pF	50V	SL	DD104-979SL160J50	K26171010			
C 2072	CERAMIC CAP.	0.01uF	50V	F	DD106-979F103Z50	K26170657			
C 2073	AL. ELECTRO. CAP.	1uF	50V		50V010M5X11TR5	K46170017			
C 2074	CERAMIC CAP.	16pF	50V	SL	DD104-979SL160J50	K26171010			
C 2075	CERAMIC CAP.	0.01uF	50V	F	DD106-979F103Z50	K26170657			
C 2076	CERAMIC CAP.	11pF	50V	SL	DD104-979SL110J50	K26171006			
C 2077	CERAMIC CAP.	10pF	50V	SL	DD104-979SL100D50	K26171005			
C 2078	CERAMIC CAP.	0.01uF	50V	F	DD106-979F103Z50	K26170657			
C 2079	CERAMIC CAP.	68pF	50V	SL	UP050SL680J-A-B	K28179033			
C 2080	CERAMIC CAP.	3pF	50V	SL	DD104-979SL030C50	K26170098			
C 2082	CERAMIC CAP.	20pF	50V	SL	UP050SL200J-A-B	K28179042			
C 2083	AL. ELECTRO. CAP.	1uF	50V		50V010M5X11TR5	K46170017			
C 2084	CERAMIC CAP.	15pF	50V	SL	DD104-979SL150J50	K26171009			
C 2085	CERAMIC CAP.	13p	50V	SL	DD104-979SL130J50	K26171008			
C 2086	AL. ELECTRO. CAP.	100uF	25V		25V101M6X11TR5	K46140005			
C 2087	CERAMIC CAP.	0.01uF	50V	F	DD106-979F103Z50	K26170657			
C 2088	CERAMIC CAP.	100pF	50V	B	UP050B101K-A-B	K28179004			
C 2091	CERAMIC CAP.	0.01uF	50V	F	DD106-979F103Z50	K26170657			
C 2092	CERAMIC CAP.	100pF	50V	B	UP050B101K-A-B	K28179004			
C 2093	CERAMIC CAP.	5pF	50V	SL	DD104-979SL050C50	K26170100			
C 2094	CERAMIC CAP.	68pF	50V	SL	UP050SL680J-A-B	K28179033			
C 2095	CERAMIC CAP.	11pF	50V	SL	DD104-979SL110J50	K26171006			
C 2096	CERAMIC CAP.	0.01uF	50V	F	DD106-979F103Z50	K26170657			
C 2097	CERAMIC CAP.	100pF	50V	B	UP050B101K-A-B	K28179004			

REF.	MFGR'S DESIG	VALUE	WV	TOL.	DESCRIPTION	YAESU P/N	VERS.	LOT	ADDR.
C 2098	CERAMIC CAP.	20pF	50V	SL	UP050SL200J-A-B	K28179042			
C 2099	CERAMIC CAP.	100pF	50V	B	UP050B101K-A-B	K28179004			
C 2100	CERAMIC CAP.	0.01uF	50V	F	DD106-979F103Z50	K26170657			
C 2101	CERAMIC CAP.	0.01uF	50V	F	DD106-979F103Z50	K26170657			
C 2102	CERAMIC CAP.	0.047uF	50V	F	DD306-979F473Z50	K26170726			
C 2103	CERAMIC CAP.	0.047uF	50V	F	DD306-979F473Z50	K26170726			
C 2104	CERAMIC CAP.	0.047uF	50V	F	DD306-979F473Z50	K26170726			
C 2105	CERAMIC CAP.	0.01uF	50V	F	DD106-979F103Z50	K26170657			
C 2106	CERAMIC CAP.	1.5pF	50V	SL	DD104-979SL1R5C50	K26170096			
C 2107	CERAMIC CAP.	0.01uF	50V	F	DD106-979F103Z50	K26170657			
C 2108	CERAMIC CAP.	8pF	50V	SL	DD104-979SL080D50	K26171003			
C 2112	CERAMIC CAP.	27pF	50V	SL	DD104-979SL270J50	K26171015			
C 2117	CERAMIC CAP.	0.01uF	50V	F	DD106-979F103Z50	K26170657			
C 2120	CERAMIC CAP.	0.047uF	50V	F	DD306-979F473Z50	K26170726			
C 2126	CERAMIC CAP.	0.1uF	50V	F	UP050F104Z-A-B	K28179003			
C 2127	CERAMIC CAP.	10pF	50V	SL	DD104-979SL100D50	K26171005			
C 2128	CERAMIC CAP.	10pF	50V	SL	DD104-979SL100D50	K26171005			
C 2129	CERAMIC CAP.	0.01uF	50V	F	DD106-979F103Z50	K26170657			
C 2130	CERAMIC CAP.	0.01uF	50V	F	DD106-979F103Z50	K26170657			
C 2131	CERAMIC CAP.	0.01uF	50V	F	DD106-979F103Z50	K26170657			
C 2132	CERAMIC CAP.	0.01uF	50V	F	DD106-979F103Z50	K26170657			
C 2133	CERAMIC CAP.	0.01uF	50V	F	DD106-979F103Z50	K26170657			
C 2134	CERAMIC CAP.	0.01uF	50V	F	DD106-979F103Z50	K26170657			
C 2135	CERAMIC CAP.	0.01uF	50V	F	DD106-979F103Z50	K26170657			
C 2136	CERAMIC CAP.	0.01uF	50V	F	DD106-979F103Z50	K26170657			
C 2137	CERAMIC CAP.	0.01uF	50V	F	DD106-979F103Z50	K26170657			
C 2138	CERAMIC CAP.	0.01uF	50V	F	DD106-979F103Z50	K26170657			
C 2139	CERAMIC CAP.	0.01uF	50V	F	DD106-979F103Z50	K26170657			
C 2140	CERAMIC CAP.	0.01uF	50V	F	DD106-979F103Z50	K26170657			
C 2141	CERAMIC CAP.	0.01uF	50V	F	DD106-979F103Z50	K26170657			
C 2142	CERAMIC CAP.	0.01uF	50V	F	DD106-979F103Z50	K26170657			
C 2143	CERAMIC CAP.	0.01uF	50V	F	DD106-979F103Z50	K26170657			
C 2144	CERAMIC CAP.	0.01uF	50V	F	DD106-979F103Z50	K26170657			
C 2145	AL.ELECTRO.CAP.	0.47uF	50V		50VR47M5X11TR5	K46170016			
C 2146	CERAMIC CAP.	100pF	50V	SL	DD105-979SL101J50	K26171029			
C 2147	CERAMIC CAP.	100pF	50V	SL	DD105-979SL101J50	K26171029			
C 2148	CERAMIC CAP.	0.01uF	50V	F	DD106-979F103Z50	K26170657			
C 2149	CERAMIC CAP.	0.01uF	50V	F	DD106-979F103Z50	K26170657			
C 2150	CERAMIC CAP.	0.01uF	50V	F	DD106-979F103Z50	K26170657			
C 2151	CERAMIC CAP.	0.01uF	50V	F	DD106-979F103Z50	K26170657			
C 2152	CERAMIC CAP.	0.01uF	50V	F	DD106-979F103Z50	K26170657			
C 2153	CERAMIC CAP.	0.01uF	50V	F	DD106-979F103Z50	K26170657			
C 2154	CERAMIC CAP.	0.01uF	50V	F	DD106-979F103Z50	K26170657			
C 2155	CERAMIC CAP.	0.01uF	50V	F	DD106-979F103Z50	K26170657			
C 2156	CERAMIC CAP.	0.047uF	50V	F	DD110F473Z50	K13179009		1-	
C 2156	CERAMIC CAP.	0.047uF	50V	F	DD306-979F473Z50	K26170726		5-	
CF2001	CERAMIC FILTER				SFT5.57MA	H3900403			
D 2001	DIODE				1SS270TJ	G2060004			
D 2002	DIODE				1SV103	G2090245			

REF.	MFGR'S DESIG	VALUE	WV	TOL.	DESCRIPTION	YAESU P/N	VERS.	LOT	ADDR.
D 2003	DIODE				1SV103	G2090245			
D 2004	DIODE				1SV103	G2090245			
D 2005	DIODE				1SV103	G2090245			
D 2006	DIODE				1SS270TJ	G2060004			
D 2007	DIODE				1SS85	G2090312			
D 2008	DIODE				1SS198TJ	G2060011			
D 2009	DIODE				1SS198TJ	G2060011			
D 2010	DIODE				1SS198TJ	G2060011			
D 2011	DIODE				1SS198TJ	G2060011			
D 2012	DIODE				1SS270TJ	G2060004			
D 2014	DIODE				1SS270TJ	G2060004			
D 2015	DIODE				1SS270TJ	G2060004			
D 2016	DIODE				1SS270TJ	G2060004			
D 2017	DIODE				1SS270TJ	G2060004			
D 2018	SURGE ABSORBER				DSP201M-S00B	Q9000375			
J 2001	CONNECTOR				TCS5073-16-4151	P1090647			
J 2002	CONNECTOR				SC25-03WS	P0090622			
J 2003	CONNECTOR				SC25-04WS	P0090623			
J 2004	CONNECTOR				SC25-04WS	P0090623			
J 2005	CONNECTOR				TMP-J01X-A2	P1090255			
J 2006	CONNECTOR				SC25-04WS	P0090623			
J 2007	CONNECTOR				SC25-09WS	P0090628			
J 2008	CONNECTOR				SC25-05WS	P0090624			
J 2009	CONNECTOR				SC25-04WS	P0090623			
J 2010	CONNECTOR				SC25-05WS	P0090624			
J 2011	CONNECTOR				TMP-J01X-A2	P1090255			
J 2012	CONNECTOR				TMP-J01X-A2	P1090255			
J 2013	CONNECTOR				SC25-03WS	P0090622			
J 2014	CONNECTOR				3022-04B	P0090523			
J 2015	CONNECTOR				SC25-05WS	P0090624			
JP2001	WIRE-ASSY					T9206254		1-	
JP2001	WIRE-ASSY					T9206254A		5-	
JP2002	WIRE-ASSY					T9206254		1-	
JP2002	WIRE-ASSY					T9206254A		5-	
L 2001	COIL				0.117U T25-12	L0021409			
L 2002	COIL				0.117U T25-12	L0021409			
L 2003	COIL				50.0M	L0021599			
L 2004	M.RFC	100uH			LAP02TA101K	L1790070			
L 2005	COIL				0.42U	L0021399			
L 2006	COIL				0.36U	L0021400			
L 2007	COIL				0.28U	L0021401			
L 2008	COIL					L0022082			
L 2009	COIL					L0022081			
L 2010	COIL					L0022080			
L 2011	M.RFC	15uH			LAP02TA150K	L1790060			
L 2012	COIL					L0022079			
L 2013	M.RFC	18uH			LAP02TA180K	L1790061			
L 2014	M.RFC	150uH			LAP02TA151K	L1790072			

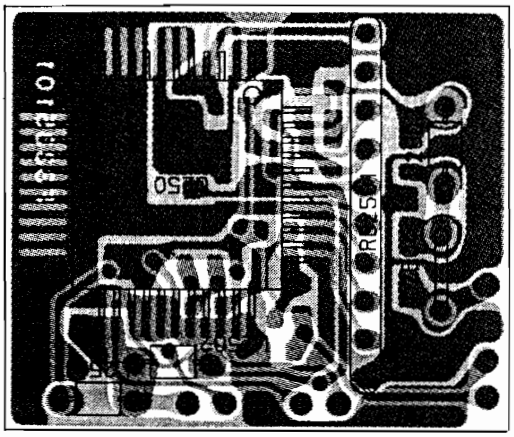
REF.	MFGR'S DESIG	VALUE	WV	TOL.	DESCRIPTION	YAESU P/N	VERS.	LOT	ADDR.
L 2015	COIL					L0022078			
L 2016	M.RFC	3.9uH			LAP02TA3R9K	L1790053			
L 2017	M.RFC	150uH			LAP02TA151K	L1790072			
L 2020	M.RFC	1mH			LAL03TA102K	L1790119			
L 2021	M.RFC	2.2uH			LAP02TA2R2K	L1790050			
L 2022	M.RFC	10uH			LAP02TA100K	L1790058			
L 2023	M.RFC	0.22uH			LAP02TAR22K	L1790038			
Q 2001	TRANSISTOR				BA1A4P-T	G3050003			A4
Q 2002	TRANSISTOR				BN1A4P-T	G3050002			A1
Q 2005	IC				MC14555BCP	G1090309			D4
Q 2006	IC				TC74HC08AP	G1091120			A4
Q 2007	IC				TC74HC08AP	G1091120			A4
Q 2008	TRANSISTOR				2SC535BTZ	G3305354B			C1
Q 2009	IC				TC74HC08AP	G1091120			B3
Q 2010	IC				TMP90PM40N	G1091714			B4
Q 2011	TRANSISTOR				2SC535BTZ	G3305354B			C1
Q 2012	IC				UPC1037H	G1090101			C1
Q 2013	TRANSISTOR				2SA733AP(T)	G3107334P			D1
Q 2014	TRANSISTOR				BA1A4P-T	G3050003			D1
Q 2015	FET				2SK192AGR(TPE4)	G3801924G			D2
Q 2016	FET				2SK192AGR(TPE4)	G3801924G			D2
Q 2017	FET				2SK192AGR(TPE4)	G3801924G			D2
Q 2018	FET				2SK192AGR(TPE4)	G3801924G			D1
Q 2019	TRANSISTOR				2SC535BTZ	G3305354B			B1
Q 2021	FET				2SK192AGR(TPE4)	G3801924G			B2
Q 2022	TRANSISTOR				BA1A4P-T	G3050003			D3
Q 2023	TRANSISTOR				2SC732TMBL	G3307320B			C2
Q 2024	TRANSISTOR				2SC535BTZ	G3305354B			B2
Q 2025	FET				2SK184Y(TPE4)	G3801844Y			C2
Q 2027	TRANSISTOR				BA1A4P-T	G3050003			B2
Q 2028	IC				SN16913P	G1090012			A1
Q 2029	IC				M51943BSL	G1090840			D3
Q 2030	IC				CX-7925B	G1090834			B2
Q 2031	FET				2SK192AGR(TPE4)	G3801924G			A2
Q 2032	IC				HD74HC74P	G1091006			B3
Q 2034	IC				SN16913P	G1090012			A2
Q 2038	TRANSISTOR				2SC458BTZ	G3304584B			C4
Q 2039	TRANSISTOR				BA1A4P-T	G3050003			C4
Q 2040	IC				M54564P	G1090836			D4
Q 2041	IC				TC8521AP	G1091490			C3
Q 2042	TRANSISTOR				BA1A4P-T	G3050003			C3
Q 2044	IC				FQ7924	G1091080			C3
Q 2045	FET				2SK192AGR(TPE4)	G3801924G			C1
R 2001	CARBON FILM RES.	100	1/6W	5%	RD16TPJ101	J07225101			
R 2002	CARBON FILM RES.	100K	1/6W	5%	RD16TPJ104	J07225104			
R 2004	CARBON FILM RES.	1K	1/6W	5%	RD16TPJ102	J07225102			
R 2006	CARBON FILM RES.	18K	1/6W	5%	RD16TPJ183	J07225183			

REF.	MFGR'S DESIG	VALUE	WV	TOL.	DESCRIPTION	YAESU P/N	VERS.	LOT	ADDR.
R 2007	CARBON FILM RES.	100	1/6W	5%	RD16TPJ101	J07225101			
R 2008	CARBON FILM RES.	100	1/6W	5%	RD16TPJ101	J07225101			
R 2009	CARBON FILM RES.	100K	1/6W	5%	RD16TPJ104	J07225104			
R 2010	CARBON FILM RES.	12K	1/6W	5%	RD16TPJ123	J07225123			
R 2011	CARBON FILM RES.	12K	1/6W	5%	RD16TPJ123	J07225123			
R 2013	CARBON FILM RES.	100K	1/6W	5%	RD16TPJ104	J07225104			
R 2014	CARBON FILM RES.	470	1/6W	5%	RD16TPJ471	J07225471			
R 2015	CARBON FILM RES.	100	1/6W	5%	RD16TPJ101	J07225101			
R 2016	CARBON FILM RES.	10K	1/6W	5%	RD16TPJ103	J07225103			
R 2017	CARBON FILM RES.	22K	1/6W	5%	RD16TPJ223	J07225223			
R 2018	CARBON FILM RES.	22K	1/6W	5%	RD16TPJ223	J07225223			
R 2019	CARBON FILM RES.	22K	1/6W	5%	RD16TPJ223	J07225223			
R 2020	CARBON FILM RES.	22K	1/6W	5%	RD16TPJ223	J07225223			
R 2021	CARBON FILM RES.	10K	1/6W	5%	RD16TPJ103	J07225103			
R 2022	CARBON FILM RES.	330	1/6W	5%	RD16TPJ331	J07225331			
R 2023	CARBON FILM RES.	100K	1/6W	5%	RD16TPJ104	J07225104			
R 2024	CARBON FILM RES.	100K	1/6W	5%	RD16TPJ104	J07225104			
R 2025	CARBON FILM RES.	100K	1/6W	5%	RD16TPJ104	J07225104			
R 2026	CARBON FILM RES.	100K	1/6W	5%	RD16TPJ104	J07225104			
R 2027	CARBON FILM RES.	4.7K	1/6W	5%	RD16TPJ472	J07225472			
R 2028	CARBON FILM RES.	100	1/6W	5%	RD16TPJ101	J07225101			
R 2031	CARBON FILM RES.	100	1/6W	5%	RD16TPJ101	J07225101			
R 2032	CARBON FILM RES.	100K	1/6W	5%	RD16TPJ104	J07225104			
R 2033	CARBON FILM RES.	100K	1/6W	5%	RD16TPJ104	J07225104			
R 2034	CARBON FILM RES.	100K	1/6W	5%	RD16TPJ104	J07225104			
R 2035	CARBON FILM RES.	100K	1/6W	5%	RD16TPJ104	J07225104			
R 2036	CARBON FILM RES.	470	1/6W	5%	RD16TPJ471	J07225471			
R 2037	CARBON FILM RES.	10K	1/6W	5%	RD16TPJ103	J07225103			
R 2038	CARBON FILM RES.	10K	1/6W	5%	RD16TPJ103	J07225103			
R 2039	CARBON FILM RES.	10K	1/6W	5%	RD16TPJ103	J07225103			
R 2040	CARBON FILM RES.	10K	1/6W	5%	RD16TPJ103	J07225103			
R 2041	CARBON FILM RES.	47	1/6W	5%	RD16TPJ470	J07225470			
R 2042	CARBON FILM RES.	10K	1/6W	5%	RD16TPJ103	J07225103			
R 2043	CARBON FILM RES.	22K	1/6W	5%	RD16TPJ223	J07225223			
R 2044	CARBON FILM RES.	100	1/6W	5%	RD16TPJ101	J07225101			
R 2045	CARBON FILM RES.	100	1/6W	5%	RD16TPJ101	J07225101			
R 2046	CARBON FILM RES.	100	1/6W	5%	RD16TPJ101	J07225101			
R 2047	CARBON FILM RES.	100	1/6W	5%	RD16TPJ101	J07225101			
R 2048	CARBON FILM RES.	330	1/6W	5%	RD16TPJ331	J07225331			
R 2049	CARBON FILM RES.	1K	1/6W	5%	RD16TPJ102	J07225102			
R 2050	CARBON FILM RES.	470	1/6W	5%	RD16TPJ471	J07225471			
R 2051	CARBON FILM RES.	1.5K	1/6W	5%	RD16TPJ152	J07225152			
R 2052	CARBON FILM RES.	100	1/6W	5%	RD16TPJ101	J07225101			
R 2053	CARBON FILM RES.	1.8K	1/6W	5%	RD16TPJ182	J07225182			
R 2054	CARBON FILM RES.	680	1/6W	5%	RD16TPJ681	J07225681			
R 2055	CARBON FILM RES.	330	1/6W	5%	RD16TPJ331	J07225331			
R 2056	CARBON FILM RES.	100	1/6W	5%	RD16TPJ101	J07225101			
R 2057	CARBON FILM RES.	100K	1/6W	5%	RD16TPJ104	J07225104			
R 2059	CARBON FILM RES.	100	1/6W	5%	RD16TPJ101	J07225101			
R 2060	CARBON FILM RES.	1K	1/6W	5%	RD16TPJ102	J07225102			
R 2061	CARBON FILM RES.	100	1/6W	5%	RD16TPJ101	J07225101			

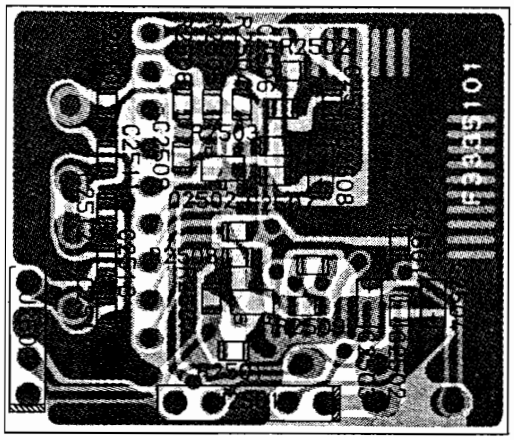
REF.	MFGR'S DESIG	VALUE	WV	TOL.	DESCRIPTION	YAESU P/N	VERS.	LOT	ADDR.
R 2062	CARBON FILM RES.	5.6K	1/6W	5%	RD16TPJ562	J07225562			
R 2063	CARBON FILM RES.	4.7K	1/6W	5%	RD16TPJ472	J07225472			
R 2064	CARBON FILM RES.	680	1/6W	5%	RD16TPJ681	J07225681			
R 2065	CARBON FILM RES.	10K	1/6W	5%	RD16TPJ103	J07225103			
R 2066	CARBON FILM RES.	10K	1/6W	5%	RD16TPJ103	J07225103			
R 2067	CARBON FILM RES.	1K	1/6W	5%	RD16TPJ102	J07225102			
R 2068	CARBON FILM RES.	1K	1/6W	5%	RD16TPJ102	J07225102			
R 2069	CARBON FILM RES.	100K	1/6W	5%	RD16TPJ104	J07225104			
R 2072	CARBON FILM RES.	220	1/6W	5%	RD16TPJ221	J07225221			
R 2073	CARBON FILM RES.	220	1/6W	5%	RD16TPJ221	J07225221			
R 2074	CARBON FILM RES.	220	1/6W	5%	RD16TPJ221	J07225221			
R 2075	CARBON FILM RES.	220	1/6W	5%	RD16TPJ221	J07225221			
R 2076	CARBON FILM RES.	100K	1/6W	5%	RD16TPJ104	J07225104			
R 2077	CARBON FILM RES.	100	1/6W	5%	RD16TPJ101	J07225101			
R 2078	CARBON FILM RES.	4.7K	1/6W	5%	RD16TPJ472	J07225472			
R 2087	CARBON FILM RES.	39	1/6W	5%	RD16TPJ390	J07225390			
R 2088	CARBON FILM RES.	10	1/6W	5%	RD16TPJ100	J07225100			
R 2089	CARBON FILM RES.	39	1/6W	5%	RD16TPJ390	J07225390			
R 2092	CARBON FILM RES.	150	1/6W	5%	RD16TPJ151	J07225151			
R 2093	CARBON FILM RES.	47K	1/6W	5%	RD16TPJ473	J07225473			
R 2094	CARBON FILM RES.	10K	1/6W	5%	RD16TPJ103	J07225103			
R 2095	CARBON FILM RES.	10K	1/6W	5%	RD16TPJ103	J07225103			
R 2096	CARBON FILM RES.	10K	1/6W	5%	RD16TPJ103	J07225103			
R 2097	CARBON FILM RES.	47K	1/6W	5%	RD16TPJ473	J07225473			
R 2098	CARBON FILM RES.	47K	1/6W	5%	RD16TPJ473	J07225473			
R 2099	CARBON FILM RES.	100K	1/6W	5%	RD16TPJ104	J07225104			
R 2100	CARBON FILM RES.	100K	1/6W	5%	RD16TPJ104	J07225104			
R 2101	CARBON FILM RES.	100	1/6W	5%	RD16TPJ101	J07225101			
R 2102	CARBON FILM RES.	470	1/6W	5%	RD16TPJ471	J07225471			
R 2103	CARBON FILM RES.	4.7K	1/6W	5%	RD16TPJ472	J07225472			
R 2104	CARBON FILM RES.	4.7K	1/6W	5%	RD16TPJ472	J07225472			
R 2105	CARBON FILM RES.	100	1/6W	5%	RD16TPJ101	J07225101			
R 2106	CARBON FILM RES.	100	1/6W	5%	RD16TPJ101	J07225101			
R 2107	CARBON FILM RES.	100	1/6W	5%	RD16TPJ101	J07225101			
R 2108	CARBON FILM RES.	100K	1/6W	5%	RD16TPJ104	J07225104			
R 2109	CARBON FILM RES.	100K	1/6W	5%	RD16TPJ104	J07225104			
R 2110	CARBON FILM RES.	100K	1/6W	5%	RD16TPJ104	J07225104			
R 2111	CARBON FILM RES.	68K	1/6W	5%	RD16TPJ683	J07225683			
R 2112	CARBON FILM RES.	330	1/6W	5%	RD16TPJ331	J07225331			
R 2113	CARBON FILM RES.	1K	1/6W	5%	RD16TPJ102	J07225102			
R 2114	CARBON FILM RES.	1K	1/6W	5%	RD16TPJ102	J07225102			
R 2115	CARBON FILM RES.	1K	1/6W	5%	RD16TPJ102	J07225102			
R 2116	CARBON FILM RES.	220	1/6W	5%	RD16TPJ221	J07225221			
S 2001	SLIDE SWITCH				SSS212299	N6090051			
T 2001	COIL				40.96M R12-M424A	L0021941			
T 2002	07 RF TRANS				42.0M	L0021511			
T 2003	07 RF TRANS				42.0M	L0021511			
T 2004	COIL				46.08M R12-M421A	L0021939			

REF.	MFGR'S DESIG	VALUE	WV	TOL.	DESCRIPTION	YAESU P/N	VERS.	LOT	ADDR.
TP2001	TP-K				IPS-1136	Q5000050			
TP2002	TP-K				IPS-1136	Q5000050			
TP2003	TP-K				IPS-1136	Q5000050			
TP2004	TP-K				IPS-1136	Q5000050			
TP2005	TP-K				IPS-1136	Q5000050			
X 2002	XTAL	46.755MHz				H0103058		1-	
X 2002	XTAL	46.755MHz				H0103058A		4-	
X 2003	XTAL	12.288MHz				H0102937			
X 2004	XTAL	32.768KHz				H0102473			
	SHIELD CASE(2pcs)					R0128070			
	SHIELD COVER(2pcs)					R0131640			
	SHIELD CASE					R0131670			
	SHIELD COVER					R0131680			
	SHIELD CASE					R0137050			
	SHIELD CASE COVER					R0145380			
	SHIELD PLATE					R0146200			
	SHIELD PLATE					R0146210			
	SHIELD PLATE					R0146390			
	CARD SPACER				WLS-04-0	S6000191			

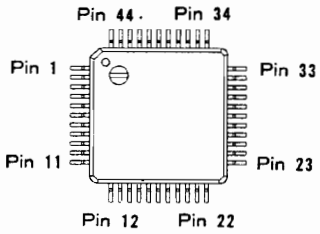
REF.	MFGR'S DESIG	VALUE	WV	TOL.	DESCRIPTION	YAESU P/N	VERS.	LOT	ADDR.
		*** OSC UNIT ***							
	PCB With Components					CA1001001			
	Printed Circuit Board					F3333102			
C 2701	CERAMIC CAP.	33pF	50V	SL	DD104-979SL330J50	K26171017			
C 2702	CERAMIC CAP.	33pF	50V	SL	DD104-979SL330J50	K26171017			
J 2701	CONNECTOR				5124-04BHPB	P1090426			
TC2701	TRIMMER CAP.	10pF			VCT51C122	K91000085			
X 2701	XTAL	10.48576MHz				H0102990			



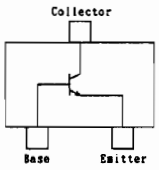
component side



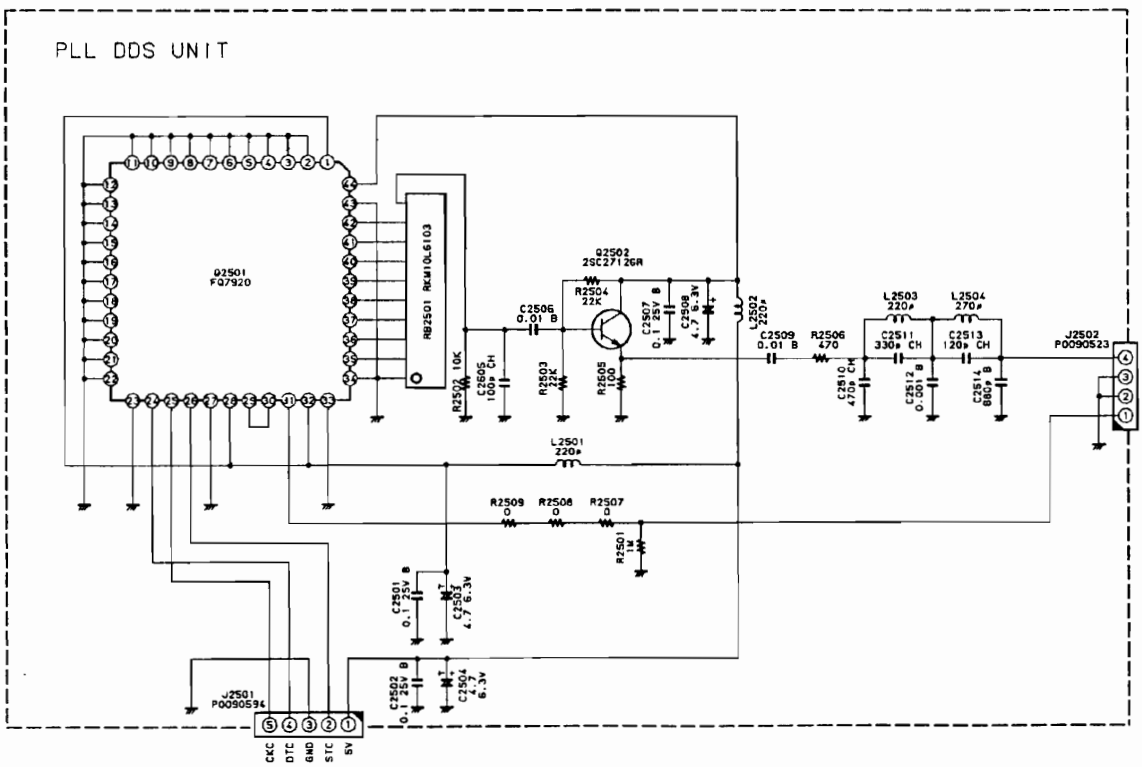
chip-only side



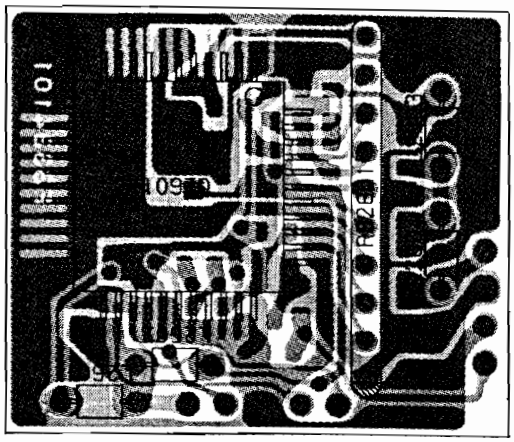
FQ7920
(Q2501)



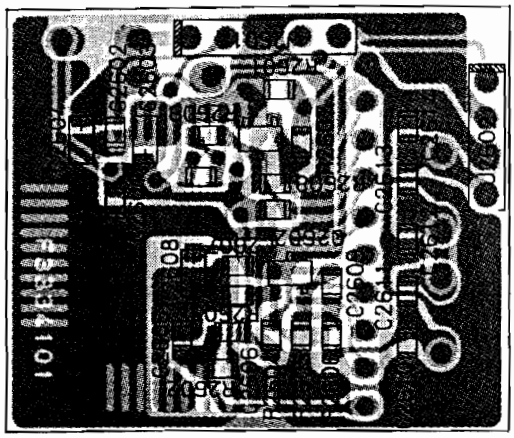
2SC2712GR (LG)
(Q2502)



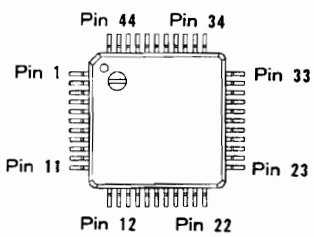
REF.	MFGR'S DESIG	VALUE	WV	TOL.	DESCRIPTION	YAESU P/N	VERS.	ADDR.
		*** PLL DDS UNIT ***						
	PCB With Components					CA0984001		
	Printed Circuit Board					F3335101		
C 2501	CHIP CAP.	0.1uF	25V	B	GRM40B104M25PT	K22140811		
C 2502	CHIP CAP.	0.1uF	25V	B	GRM40B104M25PT	K22140811		
C 2503	TANTALUM CHIP CAP.	4.7uF	6.3V		TEMSVA0J475M-8R	K78080017		
C 2504	TANTALUM CHIP CAP.	4.7uF	6.3V		TEMSVA0J475M-8R	K78080017		
C 2505	CHIP CAP.	100pF	50V	CH	GRM40CH101J50PT	K22170235		
C 2506	CHIP CAP.	0.01uF	50V	B	GRM40B103M50PT	K22170817		
C 2507	CHIP CAP.	0.1uF	25V	B	GRM40B104M25PT	K22140811		
C 2508	TANTALUM CHIP CAP.	4.7uF	6.3V		TEMSVA0J475M-8R	K78080017		
C 2509	CHIP CAP.	0.01uF	50V	B	GRM40B103M50PT	K22170817		
C 2510	CHIP CAP.	470pF	50V	CH	GRM40CH471J50PT	K22170251		
C 2511	CHIP CAP.	330pF	50V	CH	GRM40CH331J50PT	K22170247		
C 2512	CHIP CAP.	0.001uF	50V	B	GRM40B102M50PT	K22170805		
C 2513	CHIP CAP.	120pF	50V	CH	GRM40CH121J50PT	K22170237		
C 2514	CHIP CAP.	680pF	50V	B	GRM40B681M50PT	K22170803		
J 2501	CONNECTOR				3022-05B	P0090594		
J 2502	CONNECTOR				3022-04B	P0090523		
L 2501	M.RFC	220uH			LAP02TA221K	L1790074		
L 2502	M.RFC	220uH			LAP02TA221K	L1790074		
L 2503	M.RFC	220uH			LAP02TA221K	L1790074		
L 2504	M.RFC	270uH			LAL03NA271K	L1190223		
Q 2501	IC				FQ7920	G1090952		
Q 2502	TRANSISTOR				2SC2712GR TE85R	G3327127G		
R 2501	CHIP RES.	1M	1/10W		RMC1/10T 105J	J24205105		
R 2502	CHIP RES.	10K	1/10W		RMC1/10T 103J	J24205103		
R 2503	CHIP RES.	22K	1/10W		RMC1/10T 223J	J24205223		
R 2504	CHIP RES.	22K	1/10W		RMC1/10T 223J	J24205223		
R 2505	CHIP RES.	100	1/10W		RMC1/10T 101J	J24205101		
R 2506	CHIP RES.	470	1/10W		RMC1/10T 471J	J24205471		
R 2507	CHIP RES.	0	1/10W		RMC1/10T 000J	J24205000		
R 2508	CHIP RES.	0	1/10W		RMC1/10T 000J	J24205000		
R 2509	CHIP RES.	0	1/10W		RMC1/10T 000J	J24205000		
RB2501	BLOCK RES.				RKM10LG103	J40900170		
	SHIELD CASE					R0131630		
	SHIELD COVER					R0131640		



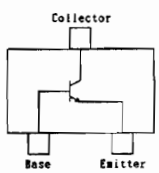
component side



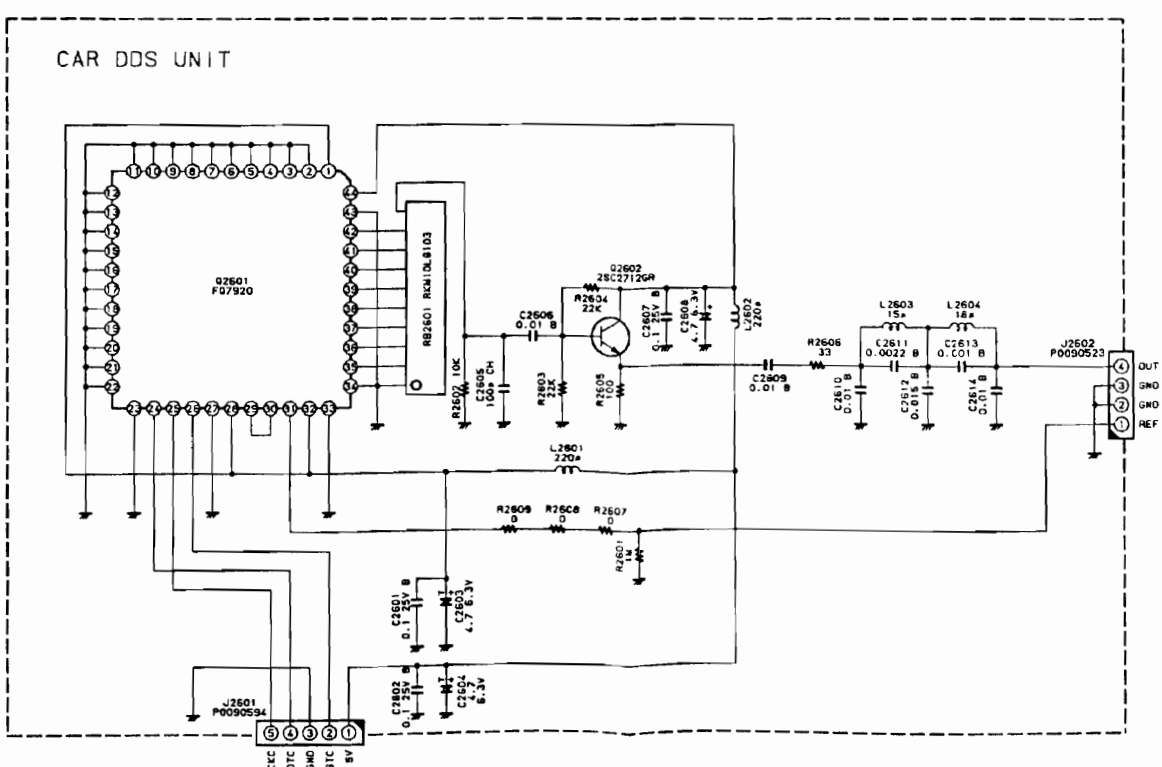
chip-only side



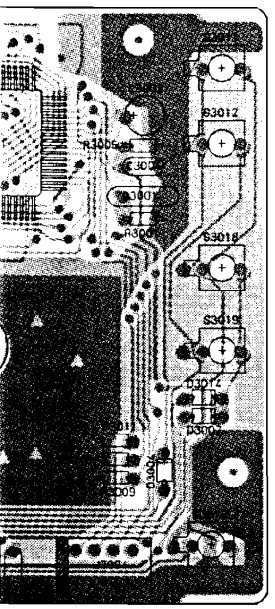
FQ7920
(Q2601)



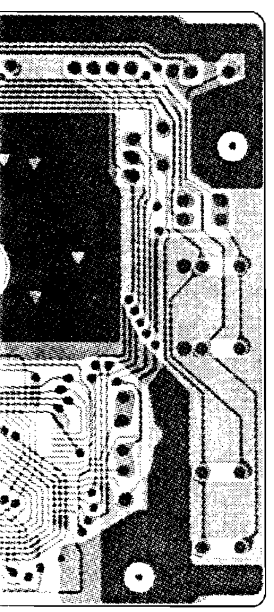
2SC2712GR (LG)
(Q2602)



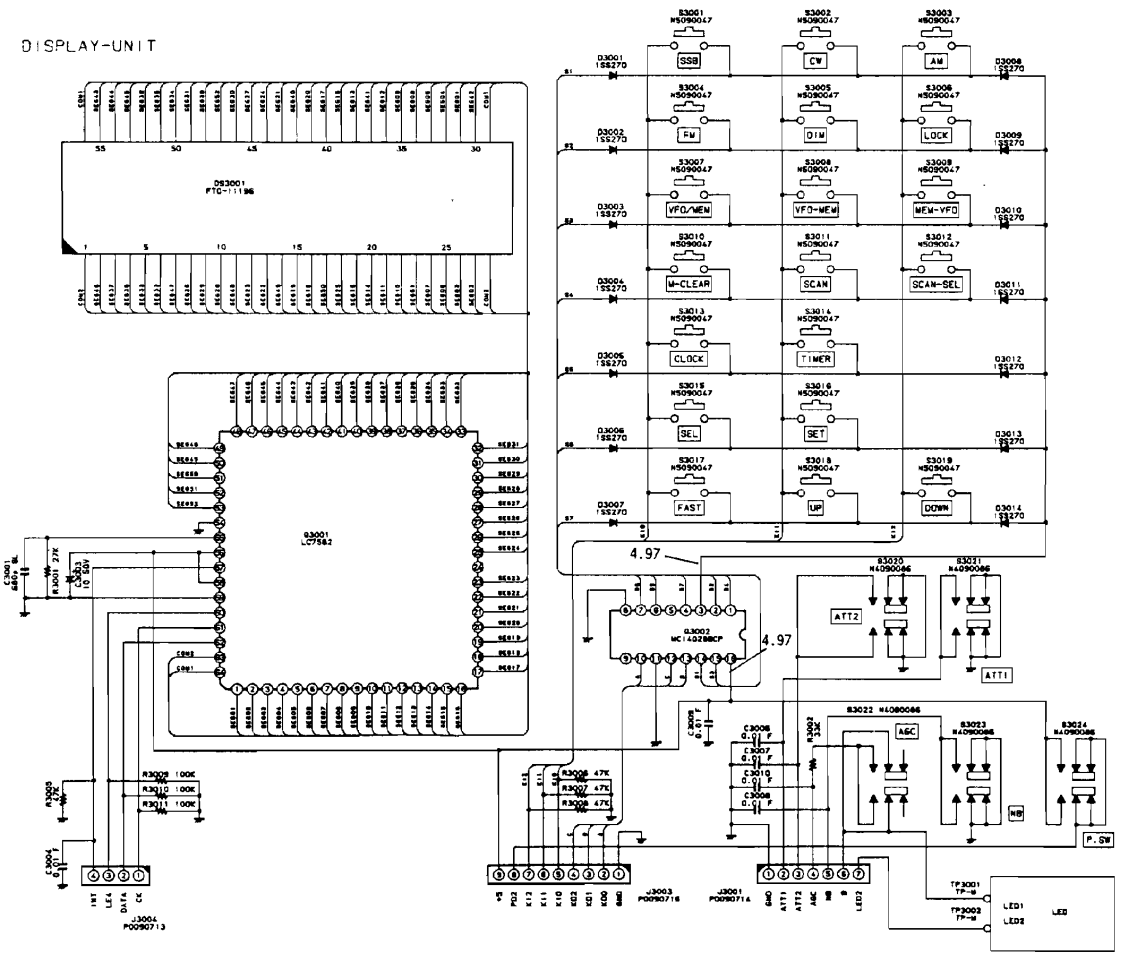
REF.	MFGR'S DESIG	VALUE	WV	TOL.	DESCRIPTION	YAESU P/N	VERS.	ADDR.
		*** CAR DDS UNIT ***						
	PCB With Components					CA0985001		
	Printed Circuit Board					F3334101		
C 2601	CHIP CAP.	0.1uF	25V	B	GRM40B104M25PT	K22140811		
C 2602	CHIP CAP.	0.1uF	25V	B	GRM40B104M25PT	K22140811		
C 2603	TANTALUM CHIP CAP.	4.7uF	6.3V		TEMSVA0J475M-8R	K78080017		
C 2604	TANTALUM CHIP CAP.	4.7uF	6.3V		TEMSVA0J475M-8R	K78080017		
C 2605	CHIP CAP.	100pF	50V	CH	GRM40CH101J50PT	K22170235		
C 2606	CHIP CAP.	0.01uF	50V	B	GRM40B103M50PT	K22170817		
C 2607	CHIP CAP.	0.1uF	25V	B	GRM40B104M25PT	K22140811		
C 2608	TANTALUM CHIP CAP.	4.7uF	6.3V		TEMSVA0J475M-8R	K78080017		
C 2609	CHIP CAP.	0.01uF	50V	B	GRM40B103M50PT	K22170817		
C 2610	CHIP CAP.	0.01uF	50V	B	GRM40B103M50PT	K22170817		
C 2611	CHIP CAP.	0.0022uF	50V	B	GRM40B222M50PT	K22170809		
C 2612	CHIP CAP.	0.015uF	50V	B	GRM40B153M50PT	K22170819		
C 2613	CHIP CAP.	0.001uF	50V	B	GRM40B102M50PT	K22170805		
C 2614	CHIP CAP.	0.01uF	50V	B	GRM40B103M50PT	K22170817		
J 2601	CONNECTOR				3022-05B	P0090594		
J 2602	CONNECTOR				3022-04B	P0090523		
L 2601	M.RFC	220uH			LAP02TA221K	L1790074		
L 2602	M.RFC	220uH			LAP02TA221K	L1790074		
L 2603	M.RFC	15uH			LAP02TA150K	L1790060		
L 2604	M.RFC	18uH			LAP02TA180K	L1790061		
Q 2601	IC				FQ7920	G1090952		
Q 2602	TRANSISTOR				2SC2712GR TE85R	G3327127G		
R 2601	CHIP RES.	1M	1/10W		RMC1/10T 105J	J24205105		
R 2602	CHIP RES.	10K	1/10W		RMC1/10T 103J	J24205103		
R 2603	CHIP RES.	22K	1/10W		RMC1/10T 223J	J24205223		
R 2604	CHIP RES.	22K	1/10W		RMC1/10T 223J	J24205223		
R 2605	CHIP RES.	100	1/10W		RMC1/10T 101J	J24205101		
R 2606	CHIP RES.	33	1/10W		RMC1/10T 330J	J24205330		
R 2607	CHIP RES.	0	1/10W		RMC1/10T 000J	J24205000		
R 2608	CHIP RES.	0	1/10W		RMC1/10T 000J	J24205000		
R 2609	CHIP RES.	0	1/10W		RMC1/10T 000J	J24205000		
RB2601	BLOCK RES.				RKM10LG103	J40900170		
	SHIELD CASE					R0131630		
	SHIELD COVER					R0131640		

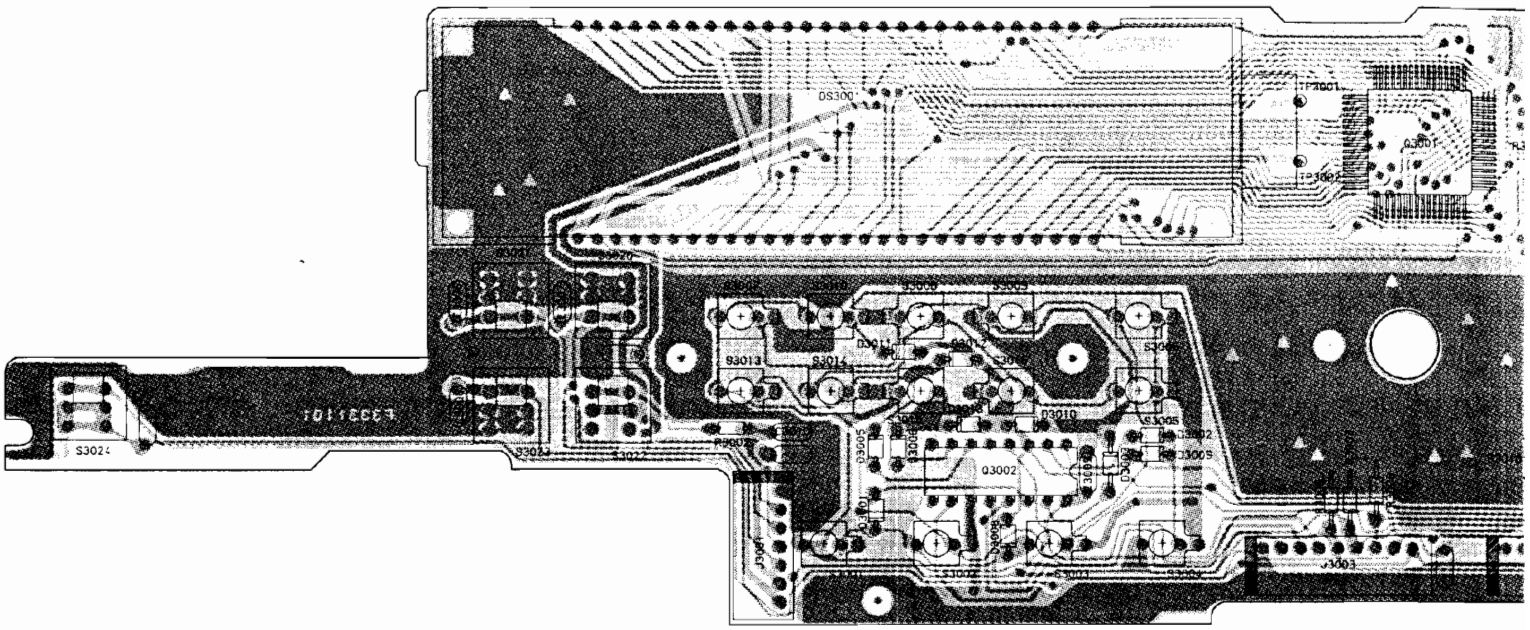


component side



solder side





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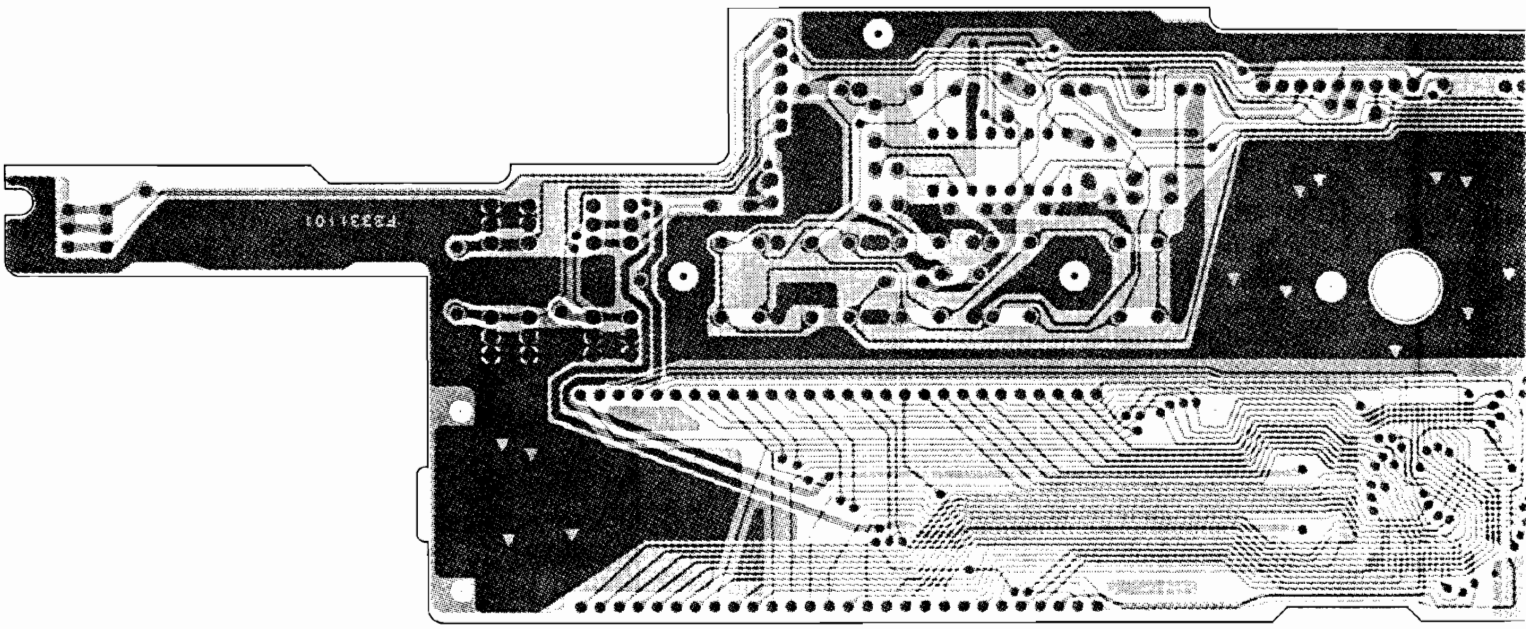
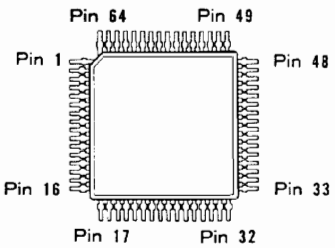
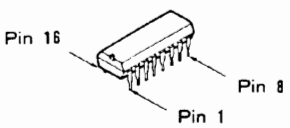
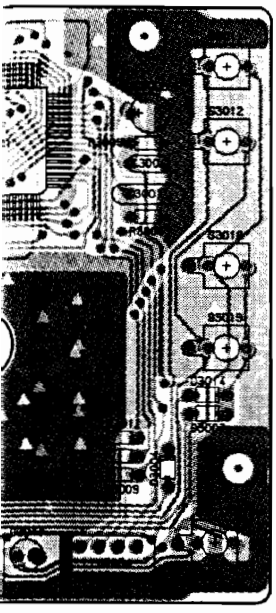




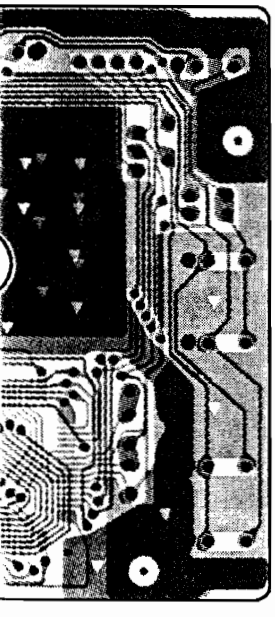
LC7582
(Q3001)



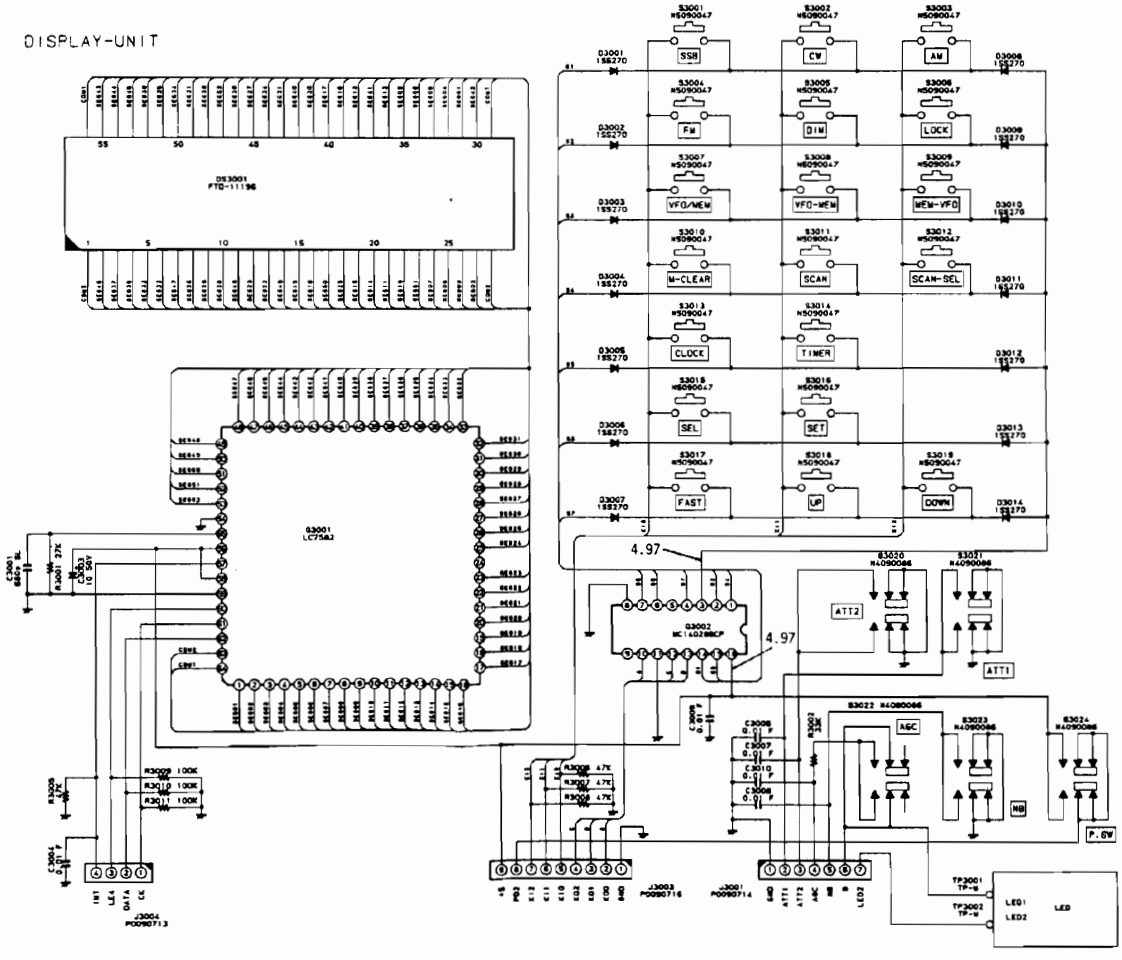
MC14028BCP
(Q3002)

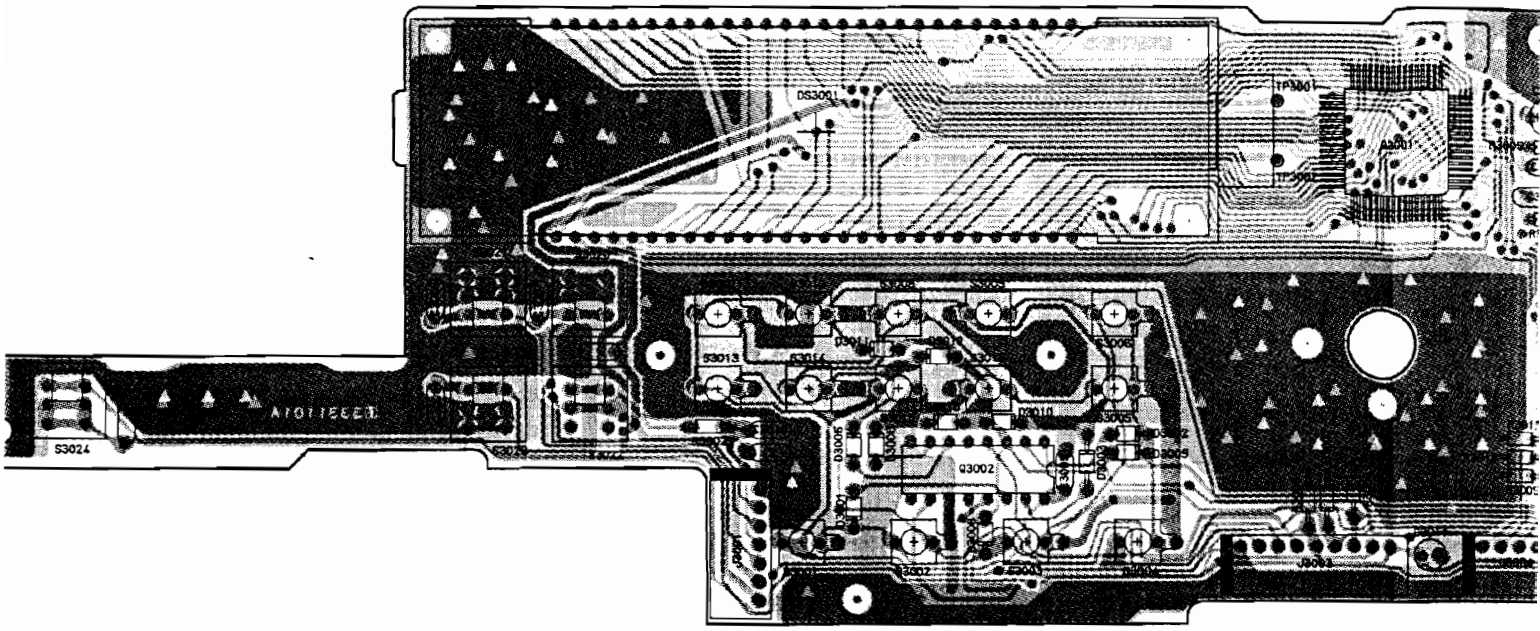


component side



solder side





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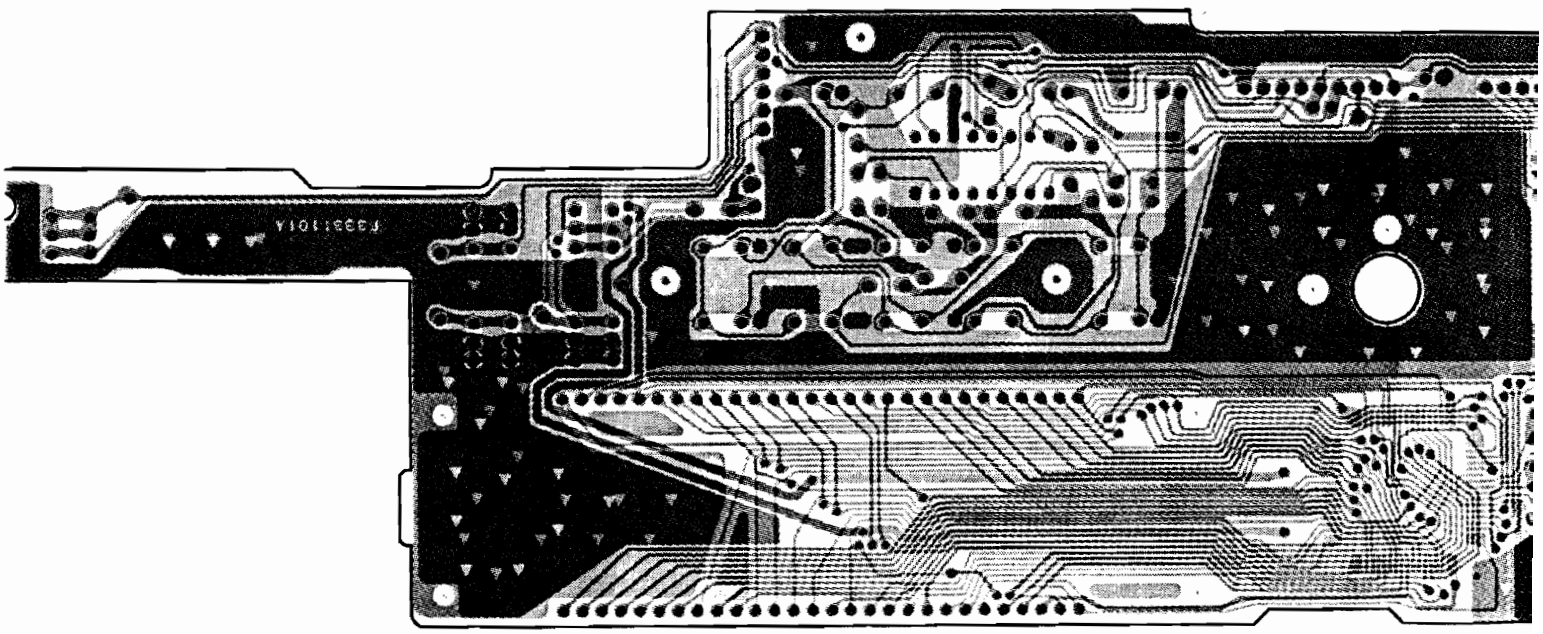

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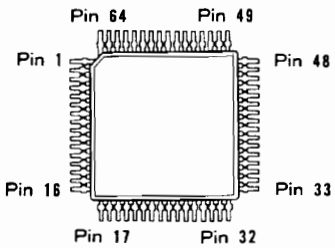
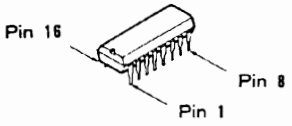


LC7582
(Q3001)

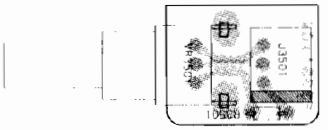


MC14028BCP
(Q3002)

REF.	MFGR'S DESIG	VALUE	WV	TOL.	DESCRIPTION	YAESU P/N	VERS.	LOT ADDR.
		*** DISPLAY UNIT ***						
	PCB With Components					CA0855001		
	Printed Circuit Board					F3331101		1-
	Printed Circuit Board					F3331101A		5-
C 3001	CERAMIC CAP.	680pF	50V	SL	DD110-979SL681J50	K26171049		
C 3003	AL. ELECTRO. CAP.	10uF	50V		50V100M5X11TR5	K46170021		1-
C 3003	AL. ELECTRO. CAP.	22uF	50V		50V220M5X11TR5	K46170022		5-
C 3004	CERAMIC CAP.	0.01uF	50V	F	DD106-979F103Z50	K26170657		
C 3006	CERAMIC CAP.	0.01uF	50V	F	DD106-979F103Z50	K26170657		
C 3007	CERAMIC CAP.	0.01uF	50V	F	DD106-979F103Z50	K26170657		
C 3008	CERAMIC CAP.	0.01uF	50V	F	DD106-979F103Z50	K26170657		
C 3009	CERAMIC CAP.	0.01uF	50V	F	DD106-979F103Z50	K26170657		
C 3010	CERAMIC CAP.	0.01uF	50V	F	DD106-979F103Z50	K26170657		
C 3011	AL. ELECTRO. CAP.	10uF	50V		RE2-50V100M	K40179041		1-
C 3011	AL. ELECTRO. CAP.	22uF	16V		RC-2-16V220M-T34	K46120008		5-
C 3012	AL. ELECTRO. CAP.	10uF	50V		RE2-50V100M	K40179041		-4
D 3001	DIODE				1SS270TJ	G2060004		
D 3002	DIODE				1SS270TJ	G2060004		
D 3003	DIODE				1SS270TJ	G2060004		
D 3004	DIODE				1SS270TJ	G2060004		
D 3005	DIODE				1SS270TJ	G2060004		
D 3006	DIODE				1SS270TJ	G2060004		
D 3007	DIODE				1SS270TJ	G2060004		
D 3008	DIODE				1SS270TJ	G2060004		
D 3009	DIODE				1SS270TJ	G2060004		
D 3010	DIODE				1SS270TJ	G2060004		
D 3011	DIODE				1SS270TJ	G2060004		
D 3012	DIODE				1SS270TJ	G2060004		
D 3013	DIODE				1SS270TJ	G2060004		
D 3014	DIODE				1SS270TJ	G2060004		
DS3001	LCD				FTD-11691AAP	G6090092		
J 3001	CONNECTOR				SC25-07WL	P0090714		
J 3003	CONNECTOR				SC25-09WL	P0090716		
J 3004	CONNECTOR				SC25-04WL	P0090713		
Q 3001	IC				LC7582	G1090830		
Q 3002	IC				MC14028BCP	G1090088		
R 3001	CARBON FILM RES.	27K	1/6W	5%	RD16TPJ273	J07225273		
R 3002	CARBON FILM RES.	33K	1/6W	5%	RD16TPJ333	J07225333		
R 3005	CARBON FILM RES.	47K	1/6W	5%	RD16TPJ473	J07225473		
R 3006	CARBON FILM RES.	47K	1/6W	5%	RD16TPJ473	J07225473		
R 3007	CARBON FILM RES.	47K	1/6W	5%	RD16TPJ473	J07225473		
R 3008	CARBON FILM RES.	47K	1/6W	5%	RD16TPJ473	J07225473		
R 3009	CARBON FILM RES.	100K	1/6W	5%	RD16TPJ104	J07225104		

Display Unit

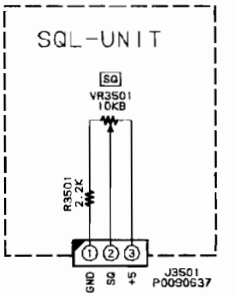
REF.	MFGR'S DESIG	VALUE	WV	TOL.	DESCRIPTION	YAESU P/N	VERS.	LOT	ADDR.
R 3010	CARBON FILM RES.	100K	1/6W	5%	RD16TPJ104	J07225104			
R 3011	CARBON FILM RES.	100K	1/6W	5%	RD16TPJ104	J07225104			
S 3001	TACT SWITCH				EVQ-333 H=9.5	N5090047			
S 3002	TACT SWITCH				EVQ-333 H=9.5	N5090047			
S 3003	TACT SWITCH				EVQ-333 H=9.5	N5090047			
S 3004	TACT SWITCH				EVQ-333 H=9.5	N5090047			
S 3005	TACT SWITCH				EVQ-333 H=9.5	N5090047			
S 3006	TACT SWITCH				EVQ-333 H=9.5	N5090047			
S 3007	TACT SWITCH				EVQ-333 H=9.5	N5090047			
S 3008	TACT SWITCH				EVQ-333 H=9.5	N5090047			
S 3009	TACT SWITCH				EVQ-333 H=9.5	N5090047			
S 3010	TACT SWITCH				EVQ-333 H=9.5	N5090047			
S 3011	TACT SWITCH				EVQ-333 H=9.5	N5090047			
S 3012	TACT SWITCH				EVQ-333 H=9.5	N5090047			
S 3013	TACT SWITCH				EVQ-333 H=9.5	N5090047			
S 3014	TACT SWITCH				EVQ-333 H=9.5	N5090047			
S 3015	TACT SWITCH				EVQ-333 H=9.5	N5090047			
S 3016	TACT SWITCH				EVQ-333 H=9.5	N5090047			
S 3017	TACT SWITCH				EVQ-333 H=9.5	N5090047			
S 3018	TACT SWITCH				EVQ-333 H=9.5	N5090047			
S 3019	TACT SWITCH				EVQ-333 H=9.5	N5090047			
S 3020	PUSH SWITCH				SPH121A94	N4090086			
S 3021	PUSH SWITCH				SPH121A94	N4090086			
S 3022	PUSH SWITCH				SPH121A94	N4090086			
S 3023	PUSH SWITCH				SPH121A94	N4090086			
S 3024	PUSH SWITCH				SPH121A94	N4090086			
TP3001	TP-M				IPS-1145	Q5000052			
TP3002	TP-M				IPS-1145	Q5000052			

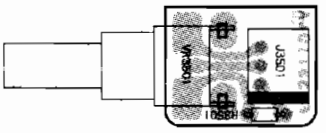


component side

solder side

Lot 1 ~





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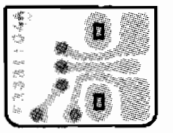
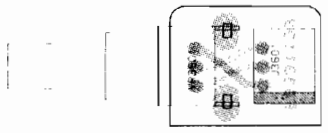
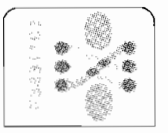


solder side

Lot 5 ~

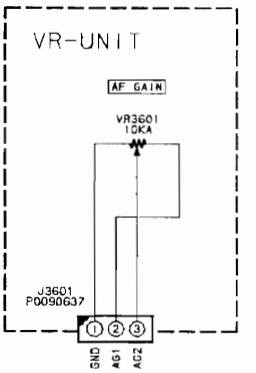


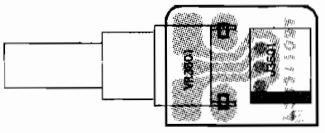
component side



solder side

Lot 1 ~

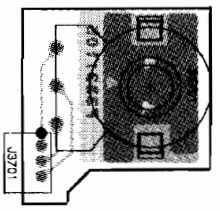




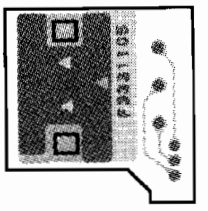
component side

solder side

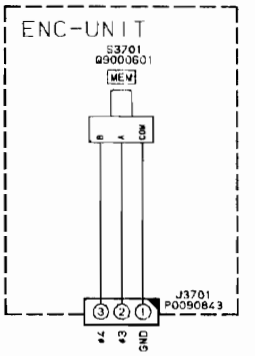
Lot 5 ~

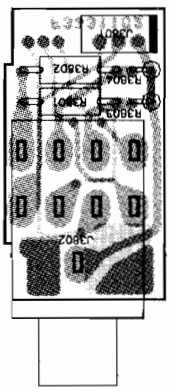


component side



solder side





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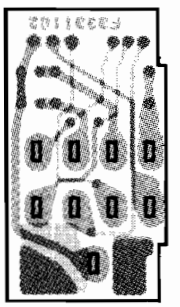
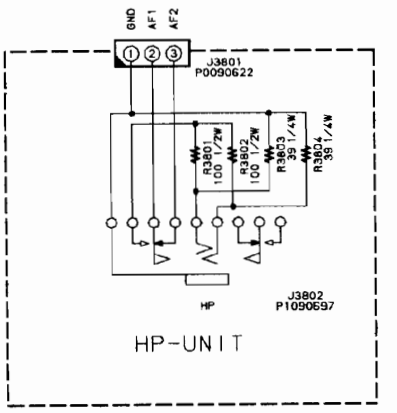


solder side



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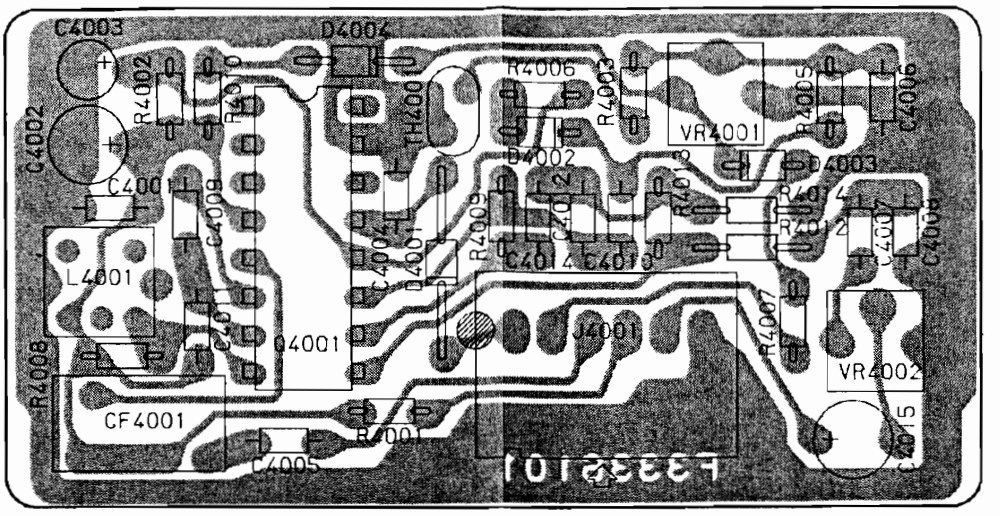
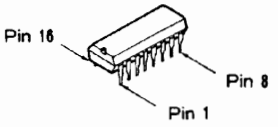
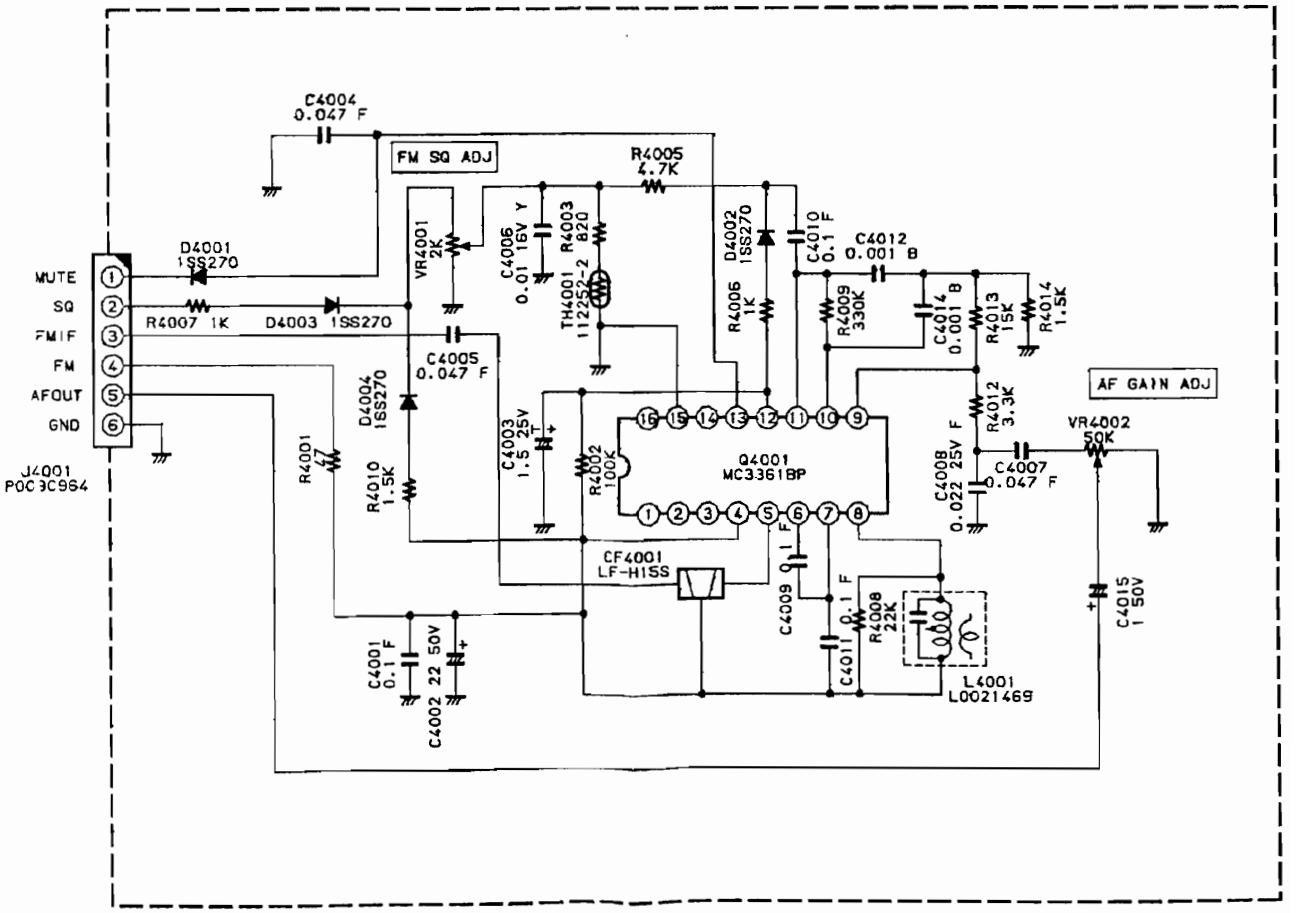
		*** SQL UNIT ***							
	PCB With Components					CA0986001			
	Printed Circuit Board					F3331104		1-	
	Printed Circuit Board					F3331104A		5-	
J 3501	CONNECTOR				SC25-03WL	P0090637			
R 3501	CARBON FILM RES.	2.2K	1/6W	5%	RD16TPJ222	J07225222			
VR3501	POT.	10K		B	RK09L1120 10KB	J60800193			
		*** VR UNIT ***							
	PCB With Components					CA0856001			
	Printed Circuit Board					F3331103		1-	
	Printed Circuit Board					F3331103A		5-	
J 3601	CONNECTOR				SC25-03WL	P0090637			
VR3601	POT.	10K		A	RK09L1120 10KA	J60800192			
		*** ENC UNIT ***							
	PCB With Components					CA0987001			
	Printed Circuit Board					F3331105			
J 3701	CONNECTOR				SB20-03WL	P0090843			
S 3701	ROTARY ENCODER				EVQ-WWRF2024B	Q9000601			
		*** HP UNIT ***							
	PCB With Components					CA0857001			
	Printed Circuit Board					F3331102			
J 3801	CONNECTOR				SC25-03WS	P0090622			
J 3802	CONNECTOR				S-G4617#02	P1090697			
R 3801	CARBON FILM RES.	100	1/2W		RD12TJ101	J01275101			
R 3802	CARBON FILM RES.	100	1/2W		RD12TJ101	J01275101			
R 3803	CARBON FILM RES.	39	1/4W	5%	RD14SJ390	J02245390			
R 3804	CARBON FILM RES.	39	1/4W	5%	RD14SJ390	J02245390			



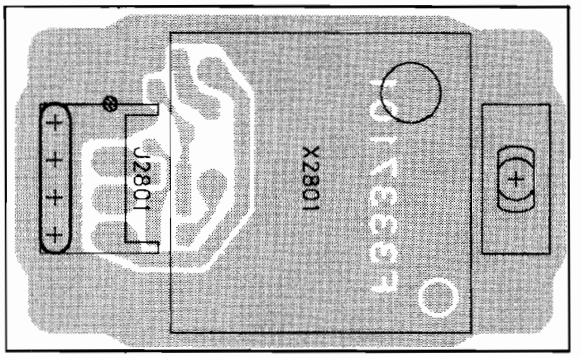
component side



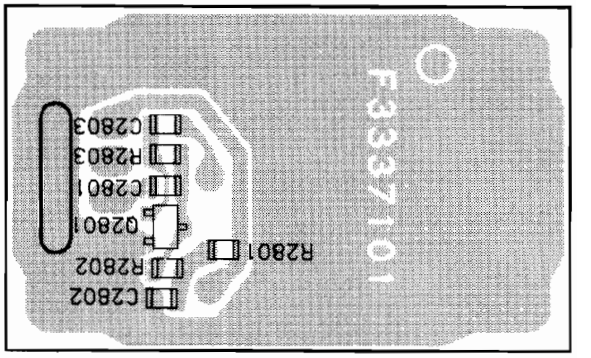
MC3361BP
(Q4001)



REF.	MFGR'S DESIG	VALUE	WV	TOL.	DESCRIPTION	YAESU P/N	VERS.	ADDR.
		*** FM UNIT-100 ***						
	Printed Circuit Board					F3336101		
C 4001	CERAMIC CAP.	0.1uF	50V	F	UP050F104Z-A-B	K28179003		
C 4002	AL. ELECTRO. CAP.	22uF	50V		50V220M5X11TR5	K46170022		
C 4003	TANTALUM CAP.	1.5uF	25V		TPDN1E1R5M8S	K76140014		
C 4004	CERAMIC CAP.	0.047uF	50V	F	UP050F473Z-A-B	K28179002		
C 4005	CERAMIC CAP.	0.047uF	50V	F	UP050F473Z-A-B	K28179002		
C 4006	CERAMIC CAP.	0.01uF	16V	Y	EP050Y103N-A	K28129001		
C 4007	CERAMIC CAP.	0.047uF	50V	F	UP050F473Z-A-B	K28179002		
C 4008	CERAMIC CAP.	0.022uF	25V	F	TP050F223Z-A-B	K28149001		
C 4009	CERAMIC CAP.	0.1uF	50V	F	UP050F104Z-A-B	K28179003		
C 4010	CERAMIC CAP.	0.1uF	50V	F	UP050F104Z-A-B	K28179003		
C 4011	CERAMIC CAP.	0.1uF	50V	F	UP050F104Z-A-B	K28179003		
C 4012	CERAMIC CAP.	0.001uF	50V	B	UP050B102K-A-B	K28179001		
C 4014	CERAMIC CAP.	0.001uF	50V	B	UP050B102K-A-B	K28179001		
C 4015	AL. ELECTRO. CAP.	1uF	50V		50V010M5X11TR5	K46170017		
CF4001	CERAMIC FILTER				LF-H15S	H3900204		
D 4001	DIODE				1SS270TJ	G2060004		
D 4002	DIODE				1SS270TJ	G2060004		
D 4003	DIODE				1SS270TJ	G2060004		
D 4004	DIODE				1SS270TJ	G2060004		
J 4001	CONNECTOR				S06B-JL-R	P0090964		
L 4001	COIL				455K R12-3980C	L0021469		
Q 4001	IC				MC3361BP	G1091525		
R 4001	CARBON FILM RES.	47	1/6W		RD16TPJ470	J07225470		
R 4002	CARBON FILM RES.	100K	1/6W		RD16TPJ104	J07225104		
R 4003	CARBON FILM RES.	820	1/6W		RD16TPJ821	J07225821		
R 4005	CARBON FILM RES.	4.7K	1/6W		RD16TPJ472	J07225472		
R 4006	CARBON FILM RES.	1K	1/6W		RD16TPJ102	J07225102		
R 4007	CARBON FILM RES.	1K	1/6W		RD16TPJ102	J07225102		
R 4008	CARBON FILM RES.	22K	1/6W		RD16TPJ223	J07225223		
R 4009	CARBON FILM RES.	330K	1/6W		RD16TPJ334	J07225334		
R 4010	CARBON FILM RES.	1.5K	1/6W		RD16TPJ152	J07225152		
R 4012	CARBON FILM RES.	3.3K	1/6W		RD16TPJ332	J07225332		
R 4013	CARBON FILM RES.	15K	1/6W		RD16TPJ153	J07225153		
R 4014	CARBON FILM RES.	1.5K	1/6W		RD16TPJ152	J07225152		
TH4001	THERMISTOR				112252-2	G9090016		
VR4001	POT.	2K			EVN-DCAA03B23	J50784202		
VR4002	POT.	50K			EVN-DCAA03B54	J50784503		



compoonent side



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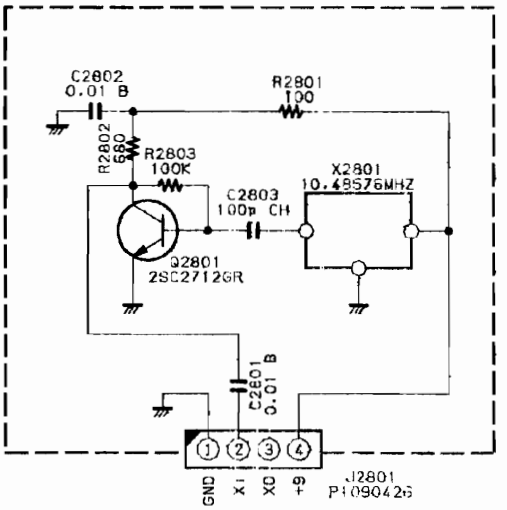
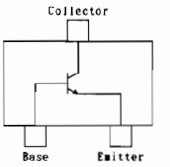
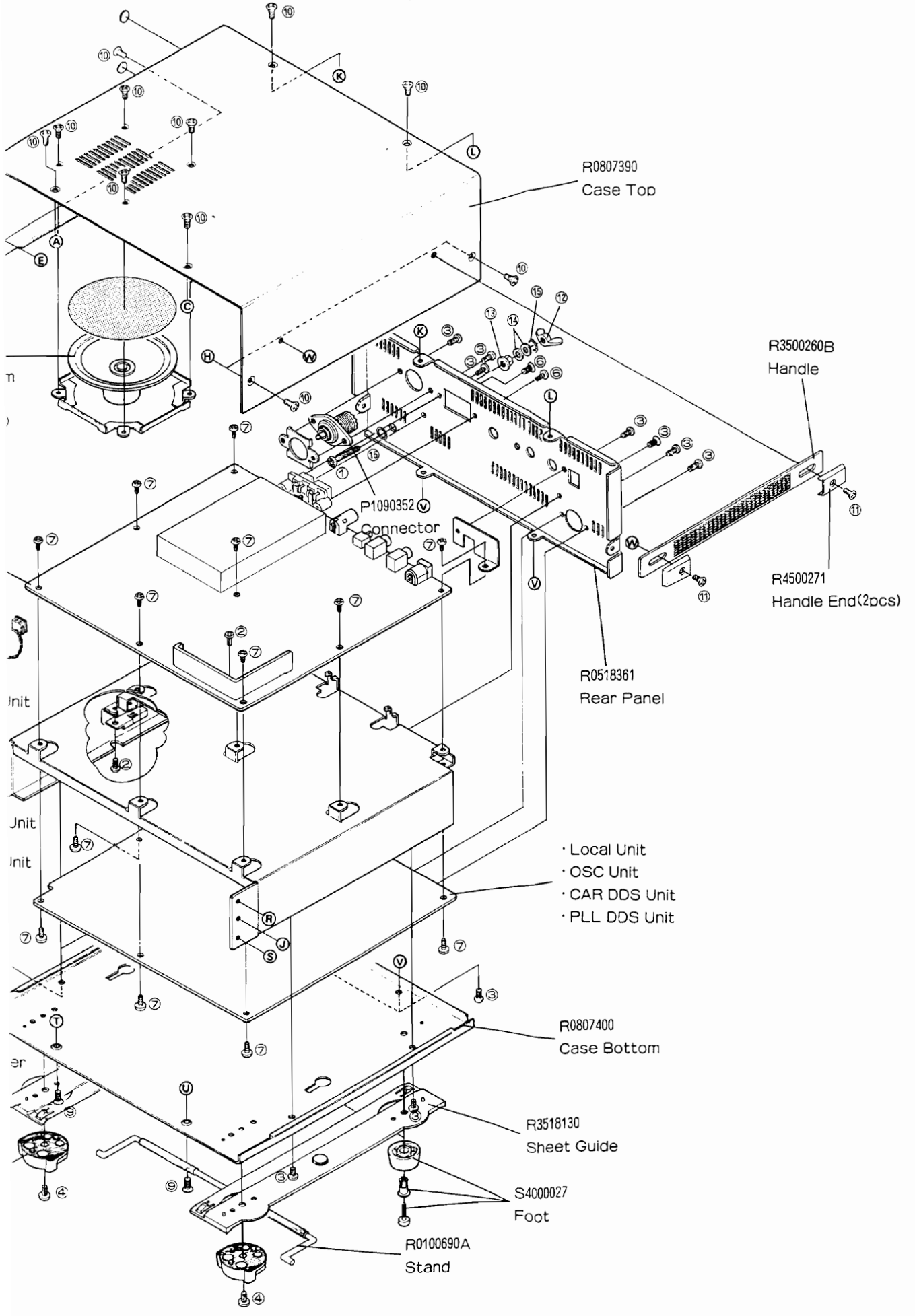




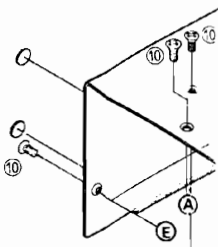
2SC2712GR (LG)
(Q2801)

REF.	MFGR'S DESIG	VALUE	WV	TOL.	DESCRIPTION	YAESU P/N	VERS.	ADDR.
		*** TCXO-4 ***						
	Printed Circuit Board					F3337101		
C 2801	CHIP CAP.	0.01uF	50V	B	GRM40B103M50PT	K22170817		
C 2802	CHIP CAP.	0.01uF	50V	B	GRM40B103M50PT	K22170817		
C 2803	CHIP CAP.	33pF	50V	CH	GRM40CH330J50PT	K22170223		
J 2801	CONNECTOR				5124-04BHPB	P1090426		
Q 2801	TRANSISTOR				2SC2712GR TE85R	G3327127G		
R 2801	CHIP RES.	100	1/10W		RMC1/10T 101J	J24205101		
R 2802	CHIP RES.	1K	1/10W		RMC1/10T 102J	J24205102		
R 2803	CHIP RES.	100K	1/10W		RMC1/10T 104J	J24205104		
X 2801	XTAL	10.48576MHz			GF-1031	H9500140		

REF.	MFGR'S DESIG	VALUE	WV	TOL.	DESCRIPTION	YAESU P/N	VERS.	LOT	ADDR.
		*** MAIN ASSY ***							
BT0001	LITHIUM BATTERY				CR2032	Q9000564			
C 0001	CERAMIC CAP.	0.01uF	16V	Y	EPO50Y103N-A	K28129001			
D 0001	LED				D2106	G2090570			
F 0001	FUSE				1.5A	Q0000021			
J 0001	CONNECTOR				FM-MDR-MI	P1090352			
JP1001	WIRE-ASSY					T9206252			
JP1003	WIRE-ASSY					T9206253			
JP1005	WIRE-ASSY					T9206251			
JW1001	WIRE STP-JW 0.58(5B)					T9950001			
JW2001	WIRE STP-JW 0.58(5B)					T9950001			
P 0001	WIRE-ASSY					T9317855			
P 0003	WIRE-ASSY					T9309401			
P 0005	TMP-PLUG WIRE-ASSY					T9315903			
P 0007	WIRE-ASSY					T9206241			
P 0009	WIRE-ASSY					T9206240			
P 0011	WIRE-ASSY					T9206250		1-	
P 0011	WIRE-ASSY					T9206250A		5-	
P 0013	WIRE-ASSY					T9206249		1-	
P 0013	WIRE-ASSY					T9206249A		5-	
P 0015	WIRE-ASSY					T9206242			
P 0017	WIRE-ASSY					T9206248			
P 0019	WIRE-ASSY					T9206238			
P 0021	WIRE-ASSY					T9206247			
P 0023	WIRE-ASSY					T9206246			
P 0025	WIRE-ASSY					T9206235			
P 0027	WIRE-ASSY					T9206245			
P 0028	WIRE-ASSY					T9206243			
P 0030	WIRE-ASSY					T9206239			
P 0032	WIRE-ASSY					T9206244			
P 0033	WIRE-ASSY					T9206236		1-	
P 0033	WIRE-ASSY					T9206236A		5-	
P 0035	WIRE-ASSY					T9206237			
P 2001	CW-ASSY					T9206054		1-	
P 2001	CW-ASSY					T9206054A		5-	
P 2002	CW-ASSY					T9206054		1-	
P 2002	CW-ASSY					T9206054A		5-	
Q 0001	IC				HA17805P	G1090936			
Q 0002	IC				L7809	G1090778			
S 0001	ROTARY ENCODER				Z99W-09	Q9000249			
	THERMAL CONDUCTOR(2pcs)				45T-TO-220	Q9000548			

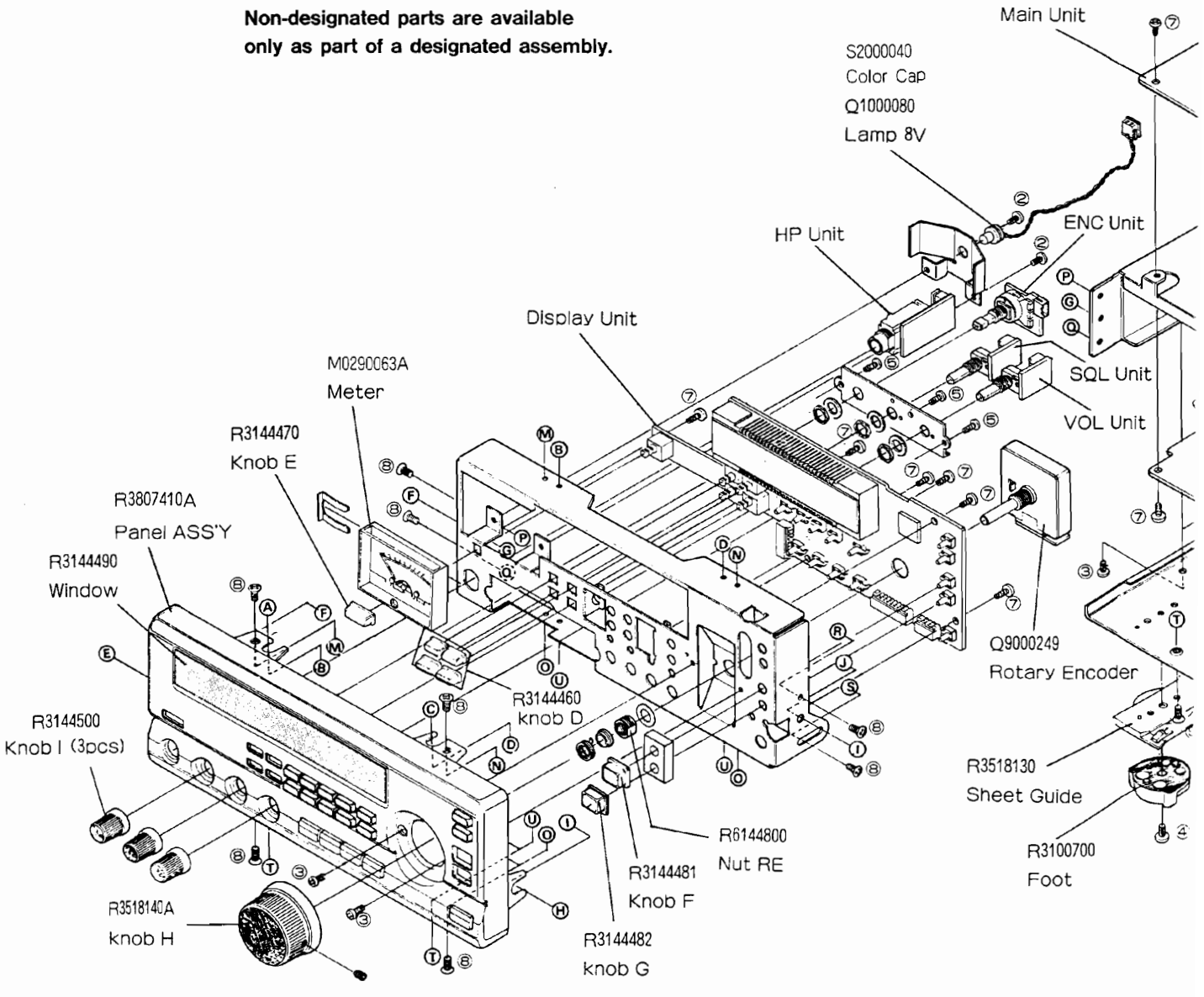


Ref No.	YAESU P/N	Description	Qty.
①	U00520002	PAN HEAD SCREW M5X20NI	1
②	U20306001	BINDING HEAD SCREW M3X6	5
③	U20306007	BINDING HEAD SCREW M3X6B	14
④	U20410007	BINDING HEAD SCREW M4X10B	2
⑤	U23306001	TAPTITE SCREW M3X6	3
⑥	U23308007	TAPTITE SCREW M3X8B	2
⑦	U24306001	TAPTITE SCREW M3X6	21
⑧	U30306001	FLAT HEAD SCREW M3X6	8
⑨	U30306007	FLAT HEAD SCREW M3X6B	2
⑩	U31306007	OVAL HEAD SCREW M3X6B	12
⑪	U31410007	OVAL HEAD SCREW M4X10B	2
⑫	U65500102	WING NUT N5NI	1
⑬	U65500002	FLANGE NUT N5NI	1
⑭	U70005002	PLAIN WASHER FW5NI	2
⑮	U73005002	TOOTHED LOCK WASHER	2



· M4090070
Speaker 2W 8ohm
· T9206245
Wire-ASS'Y(P027)

Non-designated parts are available only as part of a designated assembly.



E03929000(307G-AK)