OICOM

SERVICE MANUAL

| HF/VHF TRANSCEIVER | |
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| IC-706MKI | |
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Icom Inc.

INTRODUCTION

This service manual describes the latest service information for the IC-706MK II HF/VHF TRANSCEIVER at the time of publication.

| VERSION NO. | VERSION | SYMBOL |
|-------------|---------|--------|
| #02 | Europe | EUR |
| #03 | France | FRA |
| #04 | Denmark | DEN |
| #05 | U.S.A. | USA |

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

DANGER

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

DO NOT expose the transceiver to rain, snow or any liquids.

DO NOT reverse the polarities of the power supply when connecting the transceiver.

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



ORDERING PARTS

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

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

<SAMPLE ORDER>

1110004080 S.IC μPC2709T IC-706MK II MAIN UNIT 5 pieces 8810009020 Screw FH M2.6 x 5 ZK IC-706MK II Top cover 10 pieces

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

REPAIR NOTES

- Make sure a problem is internal before disassembling the transceiver.
- DO NOT open the transceiver until the transceiver is disconnected from its power source.
- DO NOT force any of the variable components. Turn them slowly and smoothly.
- DO NOT short any circuits or electronic parts. An insulated tuning tool MUST be used for all adjustments.
- DO NOT keep power ON for a long time when the transceiver is defective.
- DO NOT transmit power into a signal generator or a sweep generator.
- ALWAYS connect a 50 dB to 60 dB attenuator between the transceiver and a deviation meter or spectrum analyzer when using such test equipment.
- READ the instructions of test equipment thoroughly before connecting equipment to the transceiver.

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SECTION 1 SPECIFICATIONS

■ GENERAL

Frequency coverage

Receive 0.030 - 200.000 MHz* Transmit 1.800 -1.999 MHz* 3.500 -3.999 MHz*

7.000 ~ 7.300 MHz⁴ 10.100 - 10.150 MHz 14.000 - 14.350 MHz 18.068 - 18.168 MHz 21.000 - 21.450 MHz 24.890 - 24.990 MHz 28,000 - 29,700 MHz

50.000 - 54.000 MHz* 144.000 - 148.000 MHz*

*Depending on version.

 Mode : USB, LSB, CW, RTTY (FSK), AM,

FM, WFM (WFM is for receiver only)

· Number of memory ch. : 102 (99 regular, 2 scan edges,1 call)

 Antenna connector : SO-239×2

(for HF/50 MHz and 144 MHz)/50 Ω

• Power supply requirement : 13.8 V DC ±15% (negative ground)

· Frequency stability : Less than ± 7 ppm from 1 min. to 60

min. after power ON. After that, rate of stability less than ±1 ppm/hr. at +25°C (+77°F). Temperature fluctuations 0°C to +50°C (+32°F to

+122°F) less than ± 5 ppm.

Current consumption

Transmit max. power 20 A Receive standby 1.8 A max, audio 2.0 A

• Usable temperature range : -10°C to +60°C (+14°F to +140°F)

 Dimensions : 167(W) × 58(H) × 200(D) mm

 $69/16(W) \times 29/32(H) \times 77/8(D)$ inch

 Weight : 2.45 kg (5 lb 6 oz)

 CI-V connector : 2-conductor 3.5 (d) mm ($^{1}/8^{*}$)/8 Ω

 ACC connector : 13-pin

■ TRANSMITTER

Output power

1.8-50 MHz band SSB/CW/RTTY/FM 5-100 W AM

2-40 W

144 MHz band SSB/CW/RTTY/FM 2-20 W

AM

2-8 W

Modulation system

SSB Balanced modulation AM Low level modulation

FM Variable reactance modulation

· Spurious emissions : Less than -50 dB (HF)

Less than -60 dB (50, 144 MHz)

· Carrier suppression : More than 40 dB • Unwanted sideband supp. : More than 50 dB

 Microphone connector : 8-pin modular jack (600 Ω) KEY connector : 3-conductor 6.35 (d) mm (1/4") RTTY connector : 3-conductor 3.5 (d) mm (1/8")

■ RECEIVER

Receive system

SSB/CW/AM/WFM Double superheterodyne FM Triple superheterodyne

• Intermediate frequencies

| MODE | 1st | 2nd | 3rd |
|---------|-------------|-------------|----------|
| SSB/FM | 69.0115 MHz | 9.0115 MHz | 455 kHz* |
| AM/FM-N | 69.0100 MHz | 9.0100 MHz | 455 kHz* |
| CW | 69.0106 MHz | 9.0106 MHz | |
| RTTY | 69.0105 MHz | 9.0105 MHz | |
| WFM | 70.7000 MHz | 10.7000 MHz | _ |

*FM or FM-N mode only

Receive sensitivity

(pre-amp ON)

| FREQUENCY | SSB/CW | AM | FM |
|-----------------|---------|-------|---------|
| 0.5 – 1.8 MHz | _ | 13 µV | |
| 1.8 – 28 MHz* | 0.15 μV | 2 μV | |
| 28 – 29.999 MHz | 0.15 µV | 2 μV | 0.5 µV |
| 50 MHz band | 0.12 μV | 1 μV | 0.25 μV |
| 144 MHz band | 0.11 μV | 1 µV | 0.18 μV |

Note: SSB, CW and AM modes are measured at 10 dB S/N; FM mode at 12 dB SINAD.

*Except 4-4.5 MHz, 8-9 MHz,

 Squelch Sensitivity : (pre-amp ON)

> SSB Less than 5.6 µV FM Less than 0.32 µV

Selectivity*

SSB, CW, RTTY More than 2.4 kHz/-6 dB

Less than 4.8 kHz/-60 dB

AM/FM-N More than 8.0 kHz/-6 dB

Less than 30 kHz/-40 dB

FM More than 12 kHz/-6 dB

Less than 30 kHz/-60 dB

*Without an optional filter unit and with mid bandwidth selected.

· Spurious and image rejection ratio:

70 dB (except IF through/50 MHz) 60 dB (144 MHz FM mode)

· Audio output power

(at 13.8 V DC)

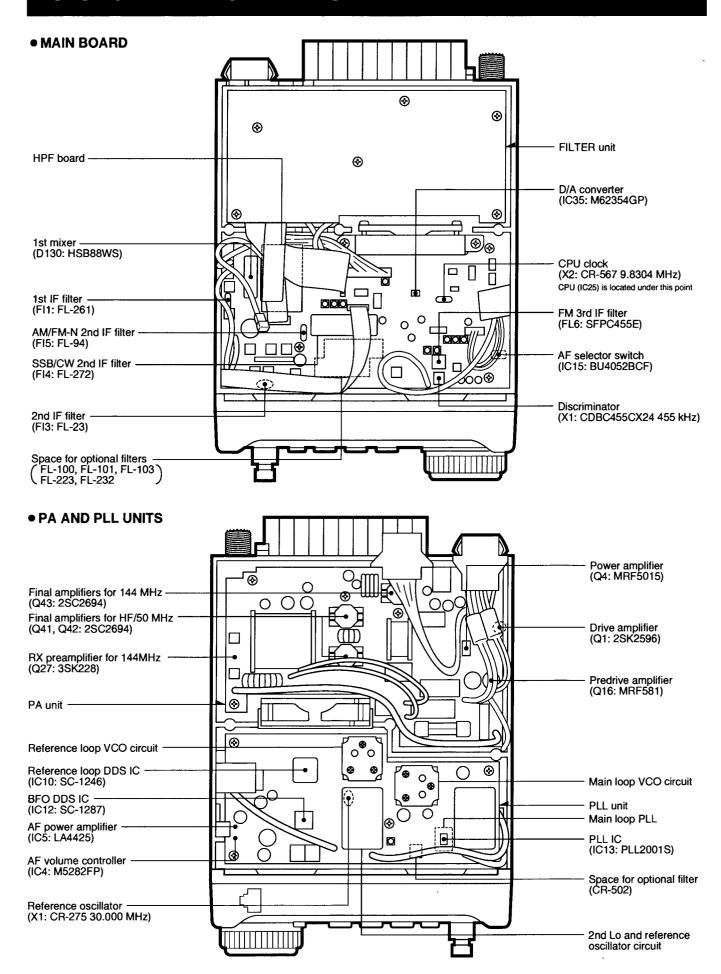
: More than 2.0 W at 10% distortion

with an 8 Ω load

• RIT variable range : ± 9.99 kHz

 PHONES connector : 3-conductor 3.5 (d) mm ($^{1}/8$ ")/8 Ω EXT SP connector : 2-conductor 3.5 (d) mm ($^{1}/8$ ")/8 Ω

SECTION 2 INSIDE VIEWS



SECTION 3 CIRCUIT DESCRIPTION

3-1 RECEIVER CIRCUITS

3-1-1 HF/50 MHz RF CIRCUIT

(FILTER, MAIN AND HPF BOARDS)

HF/50 MHz RF filters pass only the desired band signals and suppress any undesired band signals. The HF/50 MHz RF circuit has 7 low-pass filters and 6 high-pass filters for specified band use.

HF/50 MHz RF signals from the [ANT1] connector, pass through one of 7 low-pass filters as below, the transmit/receive switching relay (FILTER unit; RL1) and low-pass filter (FILTER unit; L1, L2, C1–C5), and are then applied to the MAIN board via J1 (FILTER unit).

• Used RF low-pass filter (FILTER board)

| Band | Control signal | input relay | Band [MHz] | Control signal | input relay |
|------------|-------------------|----------------|---------------|-------------------|----------------|
| 0.03-2 MHz | L1 | RL15 | 15-22 MHz | L5 | RL11 |
| 2–4 MHz | L2 | RL13 | 22-30 MHz | L6 | RL7 |
| 4–8 MHz | L3 | RL5 | 3060 MHz | L7 | RL3 |
| 8–15 MHz | L4 | RL9 | | | |

The signals from the FILTER board are applied to or bypass the 20 dB attenuator (R3, R4). The signals pass through the high-pass filter (L3, L4, C3–C7) to suppress strong signals below 1.6 MHz and are then applied to the HPF board via the "TOAT" terminal.

(1) 0.03-2 MHz and 30-40 MHz

The signals pass through a low-pass filter (L23, L24, C38–C42), and then applied to the preamplifier circuit on the MAIN board.

(2) 2-30 MHz

The signals from the low-pass filter (L23, L24, C38-C42) are applied to one of 6 high-pass filters as at right above and are then applied to the preamplifier circuit on the MAIN board.

(3) 40-60 MHz

The signals pass through the low-pass filter (L25, L26, C43–C46, C60) and the high-pass filter (L29, L30, C47–C51) via D13 and are then applied to the preamplifier circuit on the MAIN board.

Used RF high-pass filter (HPF board)

| Band | Control signal | SW diode | Band (MHz) | Control signal | SW diode |
|------------|----------------|-------------|---------------|-------------------|-------------|
| 0.03-2 MHz | TH | D5 | 15-22 MHz | H5 | D21 |
| 2-4 MHz | H2 | D16 | 22-30 MHz | H6 | D7 |
| 4–8 MHz | НЗ | D20 | 30–40 MHz | TH | D5 |
| 8–15 MHz | H4 | D17 | 4060 MHz | BV, T8 | D13 |

3-1-2 VHF RF CIRCUIT (PA UNIT)

The VHF RF circuit passes and amplifies only the desired band signals and suppresses any undesired band signals. The VHF RF circuit has a preamplifier and 2 bandpass filters.

The VHF RF signals from the [ANT2] connector pass through the low-pass filter (L16, L17, C35–C39) and antenna switching circuit (D4, D14, D15, D24). The signals are amplified at the preamplifier circuit (Q27) between the 2 bandpass filters (D21, D33 and D19, D31).

The filtered signals are applied to the MAIN board via J12 (PA unit) and are then applied to the preamplifier circuit.

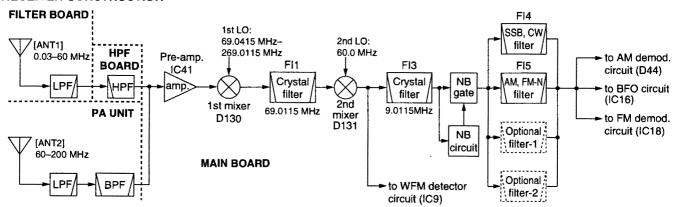
D19, D21, D31 and D33 are varactor diodes that tune the center frequency of an RF passband for wide bandwidth receiving and good image response rejection. When signals above 129 MHz are received, the switching diodes (D20, D22) are turned off by the control signal "LB" from the PLL unit, then the varactor diodes (D33, D31) are disconnected.

3-1-3 PREAMPLIFIER CIRCUIT (MAIN BOARD)

The preamplifier circuit in the IC-706MKII has approx. 15 dB gain over a wideband frequency range.

When the preamplifier is turned ON, the signals from the RF circuit are applied to the preamplifier (IC41) via D122. Amplified or bypassed signals are applied to the 1st mixer circuit (D130).

• RECEIVER CONSTRUCTION



3-1-4 1ST MIXER CIRCUIT (MAIN BOARD)

The 1st mixer circuit mixes the receive signals with the 1st LO signal to convert the receive signal frequencies to a 69 or 70.7 MHz 1st IF.

The signals from the preamplifier circuit, or signals which bypass the preamplifier, are applied to a low-pass filter and then to the 1st mixer (D130).

The 1st LO signals (69.0415–269.0115 MHz) enter the MAIN board from the PLL unit via J4. The LO signal is amplified at Q4, filtered by a low-pass filter, and then, applied to the 1st mixer.

• 1st IF frequency

| Mode | Frequency |
|----------|-------------|
| SSB, FM | 69.0115 MHz |
| CW, RTTY | 69.0106 MHz |
| AM | 69.0100 MHz |
| WFM | 70.7000 MHz |

3-1-5 1ST IF CIRCUIT (MAIN BOARD)

The 1st IF circuit filters and amplifies the 1st IF signals. The 1st IF signals are applied to a Crystal Filter (FI1) to suppress out-of-band signals.

The 69 MHz 1st IF signals (except WFM) pass through the crystal filter (FI1), however, the 70.7 MHz 1st IF signal (WFM) passes through a bandpass filter (L104–L108, C358–C361). Then the filtered signals are applied to the IF amplifier (IC4).

The AGC voltage is supplied to the transmit/receive switching circuit (D13, D14) and D13/D14 function as PIN attenuators for AGC operation.

The amplified signals are then applied to the 2nd mixer circuit (D131) via the bandpass filter (L109-L112, C364-C367).

3-1-6 2ND MIXER CIRCUIT (MAIN BOARD)

The 2nd mixer circuit mixes the 1st IF signals and 2nd LO signal (60.00 MHz) to convert the 1st IF to a 2nd IF.

The 1st IF signals from the band pass filter (L109–L112, C364–C367) are converted to 9 MHz or 10.7 MHz 2nd IF signals at the 2nd mixer (D131).

The 2nd IF signals are applied to the bandpass filter (FI3) to suppress undesired signals, such as the 2nd LO signal, and are then applied to the noise blanker gate (D20, D21).

• 2st IF frequency

| Mode | Frequency |
|----------|-------------|
| SSB, FM | 9.0115 MHz |
| CW, RTTY | 9.0106 MHz |
| AM | 9.0100 MHz |
| WFM | 10.7000 MHz |

While in WFM mode, the IF signals pass through the low-pass filter (L52, C82–C84), IF amplifier (Q5), ceramic filter (FI2) and IF amplifier (Q52). The signals are then applied to the WFM demodulator circuit (IC9).

3-1-7 NOISE BLANKER CIRCUIT (MAIN BOARD)

The noise blanker circuit detects pulse type noise, and turns OFF the signal line when noise appears.

A portion of the signals from FI3 are amplified at the noise amplifiers (Q10, Q12, amplifier section of IC9), then detected at the noise detector (D39) to convert the noise components to DC voltages.

The converted voltages are then applied to the noise blanker switch (Q13, Q14). At the moment the detected voltage exceeds Q13's threshold level, Q14 outputs a blanking signal to close the noise blanker gate (D20, D21) by applying reverse-biased voltage.

The detected voltage from D39 is also applied to the noise blanker AGC circuit (Q11, Q16) and is then fed back to the noise amplifier (IC9) as a bias voltage. The noise AGC circuit prevents closure of the noise blanker gate for long periods by non-pulse-type noise. The time constant of the noise blanker AGC circuit is determined by R143 and C459.

The 2nd IF signals from the noise blanker gate are then applied to the 2nd IF circuit.

3-1-8 2ND IF CIRCUIT

The 2nd IF circuit amplifies and filters the 2nd IF signals.

The 2nd IF signals from the noise blanker gate (D20, D21) are amplified at the IF amplifier (IC6) via the Tx/Rx switch (D22) and applied to a 2nd IF filter as shown below.

• Used 2nd IF filter

| Mode | Used filter | Control signal |
|---------------------------------|--|----------------|
| SSB, CW, RTTY AM nar. | FL-272 (FI4) | 2F23 |
| AM, FM nar. | FL-94 (FI5) | 2F80 |
| FM | Bypassed | 2FTH |
| SSB nar. | Optional FL-223 | OP1 or OP2 |
| CW nar., RTTY nar. | Optional FL-100, FL101, FL-223, FL-232 | OP1 or OP2 |
| SSB wide, CW wide, RTTY wide | Optional FL-103 | OP1 or OP2 |

The filtered or bypassed signals are applied to the buffer amplifier (Q65), IF amplifiers (Q42, Q43) and buffer amplifier (Q44) to obtain a detectable level at the demodulator circuit

The amplified signals from the buffer amplifier (Q44) are shared between the SSB/CW/RTTY detector (IC16), AM detector (D44) and AGC detector (D43). Output signals from Q65 are applied to the FM IF IC (IC18).

3-1-9 IF SHIFT CIRCUIT (MAIN BOARD)

The IF shift circuit shifts the center frequency of IF signals to electronically shift the center frequency.

The IF shift circuit shifts the 1st LO and BFO within ± 1.2 kHz in SSB/CW/RTTY modes or ± 250 Hz in CW-N/RTTY-N modes. As a result, the 2nd IF (also 1st IF) is shifted from the center frequency of the 2nd IF filter (FI4, FI5 or optional IF filters). This means 2nd IF signals do not pass through the center of the 2nd IF filter. Therefore, the higher or lower frequency components of the IF are cut out. Since the BFO frequency is also shifted the same value as the 1st IF, frequency is corrected at the detector.

In the IC-706MKII, the 1st LO frequency is shifted to change the 2nd IF because a fixed 2nd LO frequency (60 MHz) is used. The 1st IF filter (FI1) and crystal filter (FI3) have 15 kHz passband widths, and do not affect IF shift operation.

3-1-10 AGC CIRCUIT (MAIN BOARD)

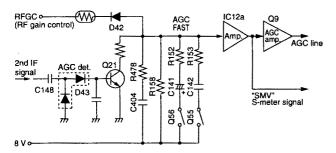
The AGC (Automatic Gain Control) circuit reduces IF amplifier gain to keep the audio output at a constant level. The receiver gain is determined by the voltage on the AGC line (Q9 collector).

The 2nd IF signal from the buffer amplifier (Q44) is detected at the AGC detector (D43) and applied to the AGC amplifiers (Q21, IC12a, Q9). IC12a sets the receiver gain with the [RF/SQL] control via the "RFGC' signal line.

When receiving strong signals, the detected voltage increases and the AGC voltage decreases via the DC amplifier (Q9). The AGC voltage is used for the bias voltage of the transmit/receive switching PIN diodes (D13, D14, D22, D23) to attenuate the received signals.

When AGC slow is selected, C141 and R152 are connected in parallel to obtain appropriate AGC characteristics.

AGC CIRCUIT



3-1-11 S-METER CIRCUIT (MAIN BOARD)

The S-meter circuit indicates the relative received signal strength while receiving by utilizing the AGC voltage which changes depending on the received signal strength.

The output voltage of the AGC amplifier (IC12a, pin 1) is applied to the main CPU (IC25, pin 30) as an S-meter signal via the "SMV" signal line. The FM S-meter signal from the FM IF IC (IC18, pin 12) is also applied to the main CPU (IC25, pin 30) via Q68.

The S-meter signal from the main CPU (IC25) is applied to the sub CPU and is then displayed on the S-meter readout.

3-1-12 SQUELCH CIRCUIT (MAIN BOARD)

The squelch circuit mutes audio output when the S-meter signal is lower than the [RF/SQL] control setting level.

The S-meter signal is applied to the main CPU (IC25 pin 30) in SSB/CW/RTTY modes and is compared with the threshold level set by the [RF/SQL] control. The [RF/SQL] setting is picked up at the sub CPU (DISPLAY board; IC1, pin 99). The main CPU compares the S-meter signal and [RF/SQL] setting, and controls the AF selector switch (IC15) to cut out AF signals via IC27a.

In FM mode, a portion of the AF signals from the FM IF IC (IC18, pin 9) are applied to the active filter section (pin 8) where noise components above 20 kHz are amplified. The signals are rectified at the noise detector section and then output from pin 14. The noise squelch signal from pin 14 is applied to the main CPU (pin 31) via the "NSQV" signal line. The CPU then controls the AF selector switch (IC15).

3-1-13 DEMODULATOR CIRCUITS (MAIN BOARD) (1) SSB/CW/RTTY modes

The 2nd IF signals from the buffer amplifier (Q44) are mixed with the BFO signal from the PLL unit at the product detector (IC16, pin 6). The detected AF signals from IC16 (pin 3) are applied to the AF selector switch (IC15, pin 12).

(2) AM mode

The 2nd IF signals from the buffer amplifier (Q44) are detected at the AM detector (D44). The detected AF signal is applied to the AF selector switch (IC15, pin 15).

(3) FM/FM NARROW modes

The 2nd IF signals from the buffer amplifier (Q65) are applied to the FM IF IC (IC18, pin 16) where the IF signals are converted into 455 kHz IF signals. The signals pass through FI6 and are applied to the quadrature detector section. X1 is used for quadrature detector. The detected AF signals from pin 9 are then applied to the AF selector switch (IC15, pin 14) via the de-emphasis circuit (IC12b).

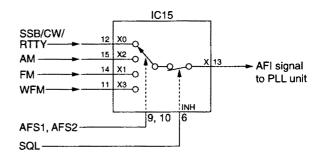
(4) WFM mode

The 2nd IF signals from the IF amplifier (Q5) pass through Fl2, are amplified at Q52 and are then applied to the FM IF IC (IC9, pins 2, 3) where the IF signals are converted into AF signals. The detected AF signals from pin 8 are then applied to the AF selector switch (IC15, pin 11).

3-1-14 AF SELECTOR SWITCH (MAIN BOARD)

The AF signals from one of the detector circuits are applied to the AF selector switch (IC15). IC15 consists of dual 4-channel analog switches which are selected with a mode signal and the squelch control signal.

AF selector switch



3-1-15 AF AMPLIFIER CIRCUIT (PLL UNIT)

The AF amplifier amplifies the demodulated signal to a suitable driving level for the speaker.

The AF signals from the AF selector switch (MAIN board; IC15) are applied to the PLL unit via the "AFI" signal line. The CW side tone/beep tone and optional synthesized voice are also applied to the PLL unit via the "AFBP" signal line.

The AF signals from the MAIN board are applied to the VCA (Voltage Controlled Amplifier) circuit (IC4). The AF gain setting from the main CPU is converted to DC voltage at the D/A converter (MAIN board IC35) and applied to the VCA control terminal (IC4, pin 8) via the "AFGC" signal line. The output AF signal from IC4 (pin 9) is power-amplified at IC5 to drive the speaker.

3-2 TRANSMITTER CIRCUITS 3-2-1 MICROPHONE AMPLIFIER CIRCUIT (MAIN BOARD)

The microphone amplifier circuit amplifies microphone input signals and outputs the amplified signals to the balanced modulator or FM modulation circuit.

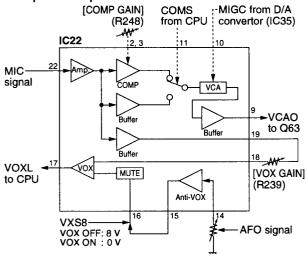
Audio signals from the front or rear panel [MIC] connector enter the microphone amplifier IC (IC22, pin 22) and are then amplified at the microphone amplifier or speech compressor section. Compression level is adjusted with the [COMP GAIN] control (R248).

The amplified or compressed signals are applied to the VCA section of IC22. The microphone gain setting from the D/A converter (IC35, pin 11) is applied to the VCA control terminal (IC22, pin 10). The resulting signals from pin 9 are then applied to the buffer amplifier (Q63). External modulation input from the [ACC] socket (pin 11) is also applied to Q63.

While in SSB mode, the amplified signals from the buffer amplifier (Q63) are applied to the AF selector switch (IC23) and then to the balanced modulator (IC17).

While in AM/FM mode, the amplified signals from the buffer amplifier (Q63) are applied to the limiter amplifier (IC24a) and splatter filter (IC24b). The signals are then applied to the AF selector switch (IC23) in AM mode or to the varactor diode (D67) in FM mode.

Microphone amplifier



3-2-2 VOX CIRCUIT (MAIN BOARD)

The VOX (Voice-Operated-Transmission) circuit sets transmitting conditions according to voice input. The microphone amplifier IC (IC22) includes the VOX circuit.

The microphone signals from IC22 (pin 19) pass through the [VOX GAIN] control (R239) and are then applied to the VOX comparator section (IC22, pin 18) to switch the keying input of the main CPU (IC25, pin 15). When voice levels exceed the reference level, the VOX circuit sets the transceiver to transmit.

On the other hand, a speaker drive signal from the AF power amplifier (PLL unit IC5) is applied to the anti-VOX comparator section (IC22, pin 14) via the [ANTI VOX] control (R244). When the audio output level increases, this comparator cuts outs the VOX comparator via the MUTE terminal (IC22, pin 16).

3-2-3 BALANCED MODULATOR (MAIN BOARD)

The balanced modulator converts the AF signals from the microphone amplifier to a 9 MHz IF signal with a BFO (Beat Frequency Oscillator) signal.

Microphone signals from the AF selector switch (IC23) are applied to the balanced modulator (IC17 pin 6). The BFO signal from the PLL unit is applied to IC17 (pin 8) as a carrier signal.

IC17 is a double balanced mixer IC and outputs a double side band (DSB) signal with -40 dB of carrier suppression. R191 and R193 adjust the balanced level of IC17 for maximum carrier suppression. The resulting signal passes through a 9 MHz IF filter (FI4 in SSB/CW/RTTY modes) to suppress unwanted sideband signals.

In AM mode, R195 is connected to upset the balance of IC17 via Q23 for leaking the BFO signal as a carrier signal. The CW keying/RTTY TX signal is applied to IC17 pin 6.

3-2-4 FM MODULATION CIRCUIT (MAIN BOARD)

The microphone signals from Q63 are applied to the limiter amplifier (IC24a) and the splatter filter (IC24b). The 1750 Hz European tone signal from the main CPU (IC25 pin 40) is also applied to IC24a pin 2 for European repeaters. The subaudible tone signal (67.0–254.1 Hz) from the main CPU (IC25 pin 37) is also applied to IC24b pin 5 for repeater use.

The resulting signals are applied to the VCO circuit (Q40, D67) via R274 to change the reactance of the varactor diode (D67) for FM modulation. The modulated signal is buffer-amplified at Q41 and bypasses the 9 MHz IF filter.

3-2-5 TRANSMITTER IF CIRCUIT (MAIN BOARD)

The 9 MHz IF signal from the modulation circuit passes through the 9 MHz IF filter (FI4 in SSB/CW/RTTY modes; FI5 in AM/FM-N modes; through in FM mode). The signal is amplified at IC6, and then passes through the total gain adjustment volume (R511), and the crystal filter (FI3). The signal is then applied to the 2nd mixer (D131).

The signal is mixed with the 2nd LO signal (60 MHz) and converted to a 69 MHz IF signal at the 2nd mixer (D131). The 69 MHz IF signal passes through a bandpass filter, the IF amplifier (IC4) and the 69 MHz IF filter (FI1) and is then converted to the displayed frequency at the 1st mixer (D130) with the 1st LO signal. The mixers (D130, D131) and IF amplifiers (IC4, IC6) are used commonly for both receiving and transmitting.

The ALC voltage is supplied to the transmit/receive switching circuit (D13/D14 and D22/D23). D13/D14 and D22/D23 function as PIN attenuators for ALC operation.

3-2-6 RF CIRCUIT (PA UNIT, MAIN AND HPF BOARD)

The RF circuit amplifies the displayed frequency signal to obtain 100 W of RF output power for HF/50 MHz bands and 20 W for the 144 MHz band.

The HF/50 MHz RF signal from the 1st mixer (D130) via the low-pass filter enters the HPF board and then passes through one of 6 high-pass filters (Refer to 3-1 for used RF high-pass filter.). The 50 MHz RF signal passes through a low-pass filter additionally. The filtered signal returns to the MAIN board, is amplified at the YGR amplifier (IC1), and is then applied to the PA unit.

The 144 MHz RF signal from the 1st mixer (D130) via the low-pass filter bypasses the filters in the HPF board via the "TOTR" line and passes through the bandpass filter (L99-L101, C329-C333) in the MAIN board, The signal is amplified at the RF amplifier (IC38) and YGR amplifer (IC1) and is then applied to the PA unit.

The signal from IC1 enters the PA unit and is amplified at the predrive amplifiers (Q16, Q1) and drive amplifier (Q4) in sequence. The amplified signal is applied to the band switch (RL1).

The HF/50 MHz RF signal from the band switch (RL1) is amplified at a power amplifier (Q41, Q42) to obtain a stable 100 W of RF output power. The power amplified signal is then applied to the [ANT1] connector via one of the lowpass filters in the FILTER board.

For the 144 MHz RF signal from the band switch (RL1), 20 W of RF output power is obtained at the power amplifier (Q43) and the signal is applied to the [ANT2] connector via the antenna switching circuit and low-pass filter.

3-2-8 ALC CIRCUIT (MAIN BOARD)

The ALC (Automatic Level Control) circuit reduces the gain of IF amplifiers in order for the transceiver to output a constant RF power set by the RF power setting even when the supplied voltage shifts, etc.

The HF/50 MHz RF power signal level is detected at the power detector (FILTER board; D9), buffer-amplified at IC1b and applied to the MAIN board as the "FOR" voltage. The 144 MHz RF power signal level is detected at the power detectors (PA unit; D2, D3) and applied to the MAIN board as the "VFOR" voltage.

The "FOR" and "VFOR" voltages are combined to the "FORV" voltage and then applied to IC7b (pin 6). The "POC" voltage from the D/A converter (IC35, pin 12), determined by the RF power setting, is applied to IC7b (pin 5) as the reference voltage.

When the "FORV" voltage exceeds the "POC" voltage, ALC bias voltage from IC7a (pin 1) controls the PIN diodes (D13, D14, D22, D23) using Q39. This adjusts the output power to the level determined by the RF power setting until the "FORV" and "POC" voltages are equalized.

In AM mode, IC7a operates as an averaging ALC amplifier with Q69 and C116. Q64 turns ON and the "POC" voltage is shifted for 40 W AM output power (maximum, 8 W for 144 MHz band) through R499.

The ALC bias voltage from IC7a is also applied to the main CPU (IC25 pin 34) as "ALCV" voltage for ALC meter indication.

An external ALC input (minus voltage) from the [ACC] socket (pin 6) is shifted to plus voltage at D70 and is applied to the buffer amplifier (Q8). External ALC operation is identical to that of the internal ALC.

3-2-9 APC CIRCUIT (MAIN BOARD)

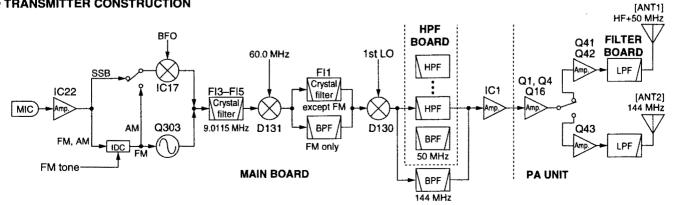
The APC (Automatic Power Control) circuit protects the power amplifiers on the PA unit from high SWR and excessive current for the HF/50 MHz bands.

The reflected wave signal appears and increases on the antenna connector when the antenna is mismatched. The HF/50 MHz reflected signal level is detected at D10 (FILTER board), buffer-amplified at IC1a and applied to the MAIN board as the "REFV" voltage.

When the "REFV" signal level increases, IC7c decreases the ALC voltage via IC7a to activate the ALC.

For the current APC, the driving current at the power amplifier is detected in the voltages ("ICH" and "ICL") which appear at both terminals of a 0.012 Ω resistor (R35) on the PA unit. The detected voltages are applied to the differential amplifier (IC7d pins 12, 13). When the current of the power amplifier exceeds 22 A, IC7d controls the ALC line via IC7a to prevent excessive current flow.

• TRANSMITTER CONSTRUCTION



3-2-10 RF, ALC, SWR METER CIRCUITS (MAIN BOARD)

While transmitting, RF, ALC or SWR meter readings are available and can be selected with the [MET] switch.

(1) Power meter

The "FOR" and "VSOR" voltages are combined to "FORV" voltage and it is then applied to the main CPU (IC25 pin 32) for indicating the output power.

(2) ALC meter

The ALC bias voltage from IC7a pin 1 is applied to the main CPU (IC25 pin 34) for indicating the ALC level.

(3) SWR meter

The "FORV" and "REFV" voltages are applied to the main CPU pins 32 and 33, respectively. The main CPU compares the ratio of "FORV" to "REFV" voltage and indicates the SWR for the [ANT1] connector.

3-3 PLL CIRCUITS

3-3-1 GENERAL

The PLL unit generates a 1st LO frequency (69.0415–269.0115 MHz), a 2nd LO frequency (60 MHz), a BFO frequency (9.01 MHz), an FM 3rd LO frequency (9.4665/9.4650 MHz) and a TX FM PLL reference frequency (9.0115/9.0100 MHz).

The 1st LO PLL adopts a mixerless dual loop PLL system and has 2 VCO circuits. The BFO uses a DDS and the 2nd LO uses a fixed frequency double that of the crystal oscillator.

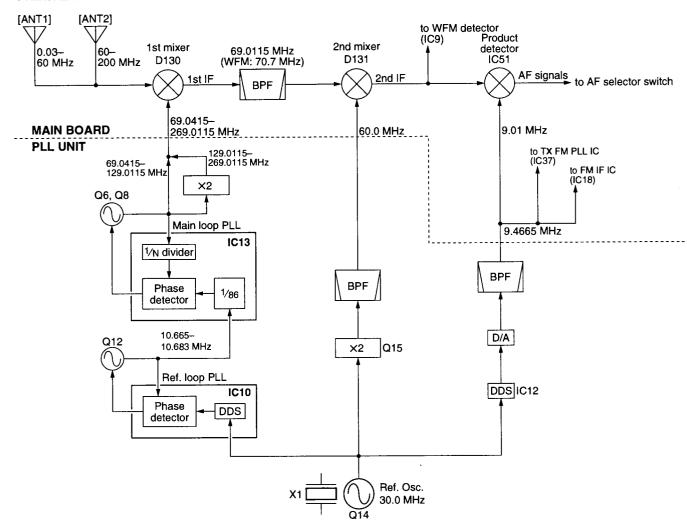
3-3-2 1ST LO PLL CIRCUIT

The 1st LO PLL contains a main loop and reference loop forming a dual loop system.

The reference loop generates a 10.6605 to 10.683 MHz frequency using a DDS circuit, and the main loop generates a 69.0415 to 134.50575 MHz frequency using the reference loop frequency.

While operating on 60 MHz and above, the output is doubled at D8 for oscillating a wide frequency range.

FREQUENCY CONSTRUCTION



(1) REFERENCE LOOP PLL

The oscillated signal at the reference VCO (Q12, D13) is amplified at the amplifiers (Q13, Q16) and is then applied to the DDS IC (IC 10, pin 46). The signal is then divided and detected on phase with the DDS generated frequency.

The detected signal output from IC10 (pin 56) is converted into a DC voltage (lock voltage) at the loop filter (R88, R203, C132) and then fed back to the varactor diode (D13) in the VCO circuit.

(2) MAIN LOOP PLL

The oscillated signal at one of the main loop VCOs (Q6, Q8) is amplified at the buffer amplifiers (Q10, Q36) and is then applied to the PLL IC (IC13 pin 8). The signal is then divided and detected on phase with the reference loop output frequency.

The detected signal output from IC13 (pin 12) is converted into a DC voltage (lock voltage) at the active loop filter (Q47–Q49) and then fed back to one of the varactor diodes (D4, D6) in the VCO circuits. While operating on 60 MHz and above, the VCO output is doubled at D8 and amplified at Q37.

The oscillated signal passes through a low-pass or bandpass filter and is then applied to the MAIN board as a 1st LO signal.

3-3-3 2ND LO AND REFERENCE OSCILLATOR CIRCUITS

The reference oscillator (X1, Q14) generates a 30.0 MHz frequency used for the 1st LO and BFO circuits as a system clock and for the 2nd LO signal.

The oscillated signal is buffer-amplified at Q27, doubles at Q15 and the 60 MHz frequency is picked up at the bandpass filter (L37, L38). The 60 MHz signal is applied to the MAIN board as a 2nd LO signal.

3-3-4 BFO CIRCUIT

The DDS IC (IC12) generates a 10-bit digital signal. The signal is converted to an analog wave signal at the D/A converter (R116–R135). The analog wave is passed through the high-pass filter and low-pass filter. The 9 MHz BFO signal is then applied to the MAIN board via the "BFO" signal line.

While transmitting in RTTY mode, the RTTY keying signal is applied to IC12 pin 3 to shift the generated frequency and to obtain 2 frequencies for FSK operation.

While receiving in FM or FM narrow mode, the BFO circuit generates a 9.4665 MHz frequency as the 3rd LO signal.

While transmitting in FM or FM narrow mode, the BFO circuit generates a 9.0115 MHz or 9.0100 MHz frequency as the TX FM PLL reference frequency, respectively.

• BFO frequency

| Mode | RX BFO/3rd LO frequency [MHz] | TX BFO/FM PLL ref. frequency [MHz] |
|--|---------------------------------|------------------------------------|
| USB 9.0130 | | 9.0130 |
| LSB | 9.0100 | 9.0100 |
| CW | 9.0106 (–CW pitch frequency) | 9.0106 (–CW pitch frequency) |
| CW-R | 9.0106 (+CW pitch frequency) | 9.0106 (+CW pitch frequency) |
| 9.008375 (2125 Hz ton 9.008885 (1615 Hz ton | | 9.0105 (MARK) |
| AM | No output | 9.0100 |
| FM | 9.4665 (3rd LO) | 9.0115 (PLL ref.) |
| FM nar. | 9.4650 (3rd LO) | 9.0100 (PLL ref.) |
| WFM | No output | No output |

IF shift: Center

ter RTTY: Normal polarity

3-4 LOGIC CIRCUITS 3-4-1 BAND SELECTION DATA (MAIN BOARD AND PLL UNIT)

To select the correct RF low-pass filter, high-pass filter and VCOs on the PLL unit, the CPU outputs the following band selection data from the I/O expander (MAIN board; IC35) or DDS IC (PLL unit; IC10) depending on the displayed frequency.

The A/D converter output from IC35 pin 5 is doubled at IC34a to obtain the band voltage for external equipment.

· Band selection data

| Frequency | IC31, IC32 (MAIN) | | IC35 (MAIN) | IC10 (PLL) | |
|---------------------------|----------------------|--------------|---------------------|------------|------------|
| [MHz] | HPF BPF | LPF | 1/2 band voltage | vco | LPF BPF |
| 0.03-1.999999 | L1 | L1 | L1 3.76 V | | |
| 2.0-3.999999 | L2 | L2 | 3.08 V | | |
| 4.0-7.999999 | L3 | L3 | 2.57 V | | |
| 8.0-10.999999 | L4 | 14 | 0 V | VCO0 | LOF1 |
| 11.0–14.999999 | 64 | L4 | 2.06 V | | |
| 15.0-21.999999 | L5 | L5 L5 1.61 V | | | |
| 22.0-29.999999 | L6 | L6 | 1.12 V | | |
| 30.0-39.999999 | B7W | 17 | | VCO1 | LOF2 |
| 40.0-59.999999 | B7 | L/ | | VCOI | LOFZ |
| 60.0-128.999999 | B8W | | | VCO0 | LOF3 |
| 129.0-143.9999 | DOVV | | 0.61 V | | LOF4 |
| 144.0–148.0000 | B8 | L8 | | VCO1 | LOF5 |
| 148.000001- 200.000000 | B8W | | | , 301 | LOF4 |

3-4-2 MAIN CPU PORT ALLOCATIONS (MAIN board IC25)

| (MAIN DOARD IC25) | | | | | | | | |
|-------------------|--------------|--|--|--|--|--|--|--|
| Pin number | Port name | Description | | | | | | |
| 13 | DSHL | Input port for the external paddle (DASH). Low: During key down | | | | | | |
| 14 | DOTL | Input port for the external paddle (DOT) or straight key. Low: During key down | | | | | | |
| 15 | SNDL | Input port for the [RTTY] or [MIC] connector. High: While transmitting. | | | | | | |
| 16 | KEY | Input port for transmit control signal from the optional AT-180/AH-3 antenna tuners. | | | | | | |
| 17 | STRT | Input port for the optional AH-3 antenna tuner connection detection. High: When AH-3 is connected. | | | | | | |
| 18 | SQLS | Outputs a squelch control signal for the external unit. | | | | | | |
| 19 | PWK | Input port for the [POWER] switch. Low: When the [POWER] switch is pushed. | | | | | | |
| 20 | POWS | Outputs a power ON signal for the optional AH-3 antenna tuner. High: While power is ON. | | | | | | |
| 21 | ATST | Outputs start signal for the optional AT-180 anttena tuner. | | | | | | |
| 22 | BEEP | Output port : Beep audio signals while receiving. : CW side tone signals while transmitting. | | | | | | |
| 23 | AHST | Outputs start signal for the optional AH-3 | | | | | | |
| 24 | AFMS | Outputs squelch mute control signal, applied to the AF selector switch (MAIN board; IC15). High: During squelch open. | | | | | | |
| 30 | SMV | S-meter level input port for squelch control. | | | | | | |
| 31 | NSQV | Noise level input port for squelch control in FM mode. | | | | | | |
| 32 | FORV | Forward RF power level input port for SWR meter indications. | | | | | | |
| 33 | REFV | Reflected RF power level input port for P0 and SWR meter indication. | | | | | | |
| 34 | ALCV | ALC level input port for ALC meter indication. | | | | | | |
| 37 | TONE | Outputs subaudible tone signals. | | | | | | |
| 39 | BUSY | Input port for the optional UT-102 (Voice synthesizer unit) activation signal. High: During speech synthesis. | | | | | | |
| 40 | ETON | Outputs 1750 Hz European tone signal. | | | | | | |

MAIN CPU PORT ALLOCATIONS (continued)

| MAIN CPO PONT ALLOCATIONS (continued) | | | | | | | |
|---------------------------------------|---------------|--|--|--|--|--|--|
| Pin number | Port name | Description | | | | | |
| 41 | SPST | Outputs a strobe signal for the optional UT-102 (Voice synthesizer unit). | | | | | |
| 42 | IDT | Outputs serial data for the I/O expanders, optional AT-180/UT-102. | | | | | |
| 43 | ICK | Outputs a clock signal for the I/O expanders, optional AT-180/ UT-102. | | | | | |
| 44 | IBST | Outputs a strobe signal for the I/O expander ICs (IC31, IC32). | | | | | |
| 45 | IMST | Outputs a strobe signal for the I/O expander IC (IC30). | | | | | |
| 46 | IAST | Outputs a strobe signal for the D/A converter IC (IC35). | | | | | |
| 48 | PBST | Outputs a strobe signal for the BFO DDS IC (PLL unit; IC12). | | | | | |
| 49–51 | CON2- CON0 | Output mode control signals for the 1st LO DDS IC (PLL unit; IC10). | | | | | |
| 52 | PDST | Outputs a strobe signal for the 1st LO DDS IC (PLL unit; IC10). | | | | | |
| 53 | PCE | Outputs a strobe signal for the 1st LO PLL IC (PLL unit; IC13). | | | | | |
| 54 | PDT | Outputs serial data for the DDS ICs (PLL unit; IC10, IC12) and PLL IC (PLL unit; IC13). | | | | | |
| 55 | PCK | Outputs a clock signal for the DDS ICs (PLL unit; IC10, IC12) and PLL IC (PLL unit; IC13). | | | | | |
| 65 | MCK | Input port for microphone ON/OFF switch. | | | | | |
| 66 | MUD | Input port for microphone up/down switches. | | | | | |
| 74 | SNDS | Input port for transmit/receive switching signals for the [ACC] connector. Low: While transmitting. | | | | | |
| 75 | KDS | Outputs a CW keying signal or RTTY TX signal. | | | | | |
| 78 | CTXD | Output port for CI-V bus line. | | | | | |
| 79 | CRXD | Input port for CI-V bus line. | | | | | |

3-4-3 SUB CPU PORT ALLOCATIONS (DISPLAY board IC1)

| (DISPLAY board IC1) | | | | | | | |
|---------------------|--------------|--|--|--|--|--|--|
| Pin number | Port name | Description | | | | | |
| 1 | SFTV | Input port for the [SHIFT] control. | | | | | |
| 18 | PTTS | Outputs a PTT signal. Low: While transmitting. | | | | | |
| 19 | AMBS | Outputs ON/OFF control signal for the display backlight. High: While display backlight is turned ON. | | | | | |
| 20 | DIMS | Outputs a brightness control signal for the display backlight. High:While display backlight is dark. | | | | | |
| 80 | PHNL | Input port for the [PHONES] jack connection detection. High: When the headphone or external speaker is connected to the [PHONES] jack. | | | | | |
| 81 | RITK | Input port for the [RIT] switch. | | | | | |
| 96 | PTTV | Input port for the [PTT] switch on the microphone. | | | | | |
| 97 | MUDV | Input port for the microphone up/down signal. | | | | | |
| 98 | AFGV | Input port for the [AF] control. | | | | | |
| 99 | SQLV | Input port for the [RF/SQL] control. | | | | | |
| 100 | RIT | Input port for the [RIT] control. | | | | | |

3-4-4 I/O EXPANDER PORT ALLOCATIONS MAIN board IC30

| Pin number | Port name | Description | | | | | | | | |
|---------------|--------------|---|-------------------|------|-------|------------------------------|--|--|--|--|
| 4 | MODS | Outputs select signal for the Tx AF selector switch (IC23). Hign: When AM and SSB modes are selected. | | | | | | | | |
| 5 | AMS | | | | | ct signal. e is selected. | | | | |
| 6 | FMS | signa | l. h: Wh | | and F | modes select FM-N modes | | | | |
| 7 | WFMS | | า։ Wh | | | lect signal. de is | | | | |
| | | | ut sele tor sw | _ | | or the Rx AF | | | | |
| 44 40 | AFS1, | | | | MODE | | | | | |
| 11, 12 | AFS2 | PORT | WFM | FM | AM | SSB/CW/RTTY | | | | |
| | | AFS1 | High | High | Low | Low | | | | |
| | | AFS2 | High | High | Low | Low | | | | |
| | | | | | | | | | | |

MAIN board IC30 (continued)

| Pin number | Port name | Description |
|---------------|--------------|---|
| 13 | UNFM | Outputs non-FM mode select signal. High: When SSB/CW/RTTY/AM modes are selected. |
| 14 | MINH | Outputs an audio mute signal for the Tx AF selector switch (IC23). High: While transmitting in CW/RTTY modes. |

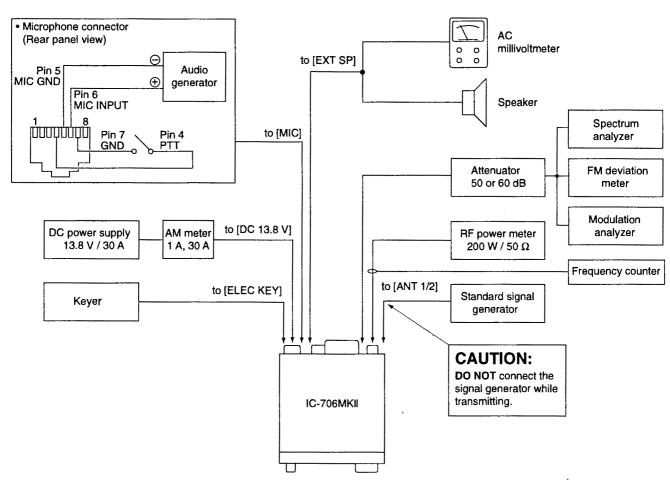
SECTION 4 ADJUSTMENT PROCEDURES

4-1 PREPARATION BEFORE SERVICING

■ REQUIRED TEST EQUIPMENT

| EQUIPMENT | GRADE A | ND RANGE | EQUIPMENT | GRADE AN | ID RANGE |
|--------------------------------|-------------------------------------|--|---------------------|---|----------------------------------|
| DC power supply | Output voltage | : 13.8 V DC | AC millivoltmeter | Measuring range | : 10 mV-10 V |
| | Current capacity | : 30 A or more | DC voltmeter | Input impeadance | : 50 kΩ/DC or better |
| RF power meter | Measuring range | : 10–200 W : 1.8–200 MHz | AM meter | Measurement capab | illity: 1 A and 30 A |
| (terminated type) | Frequency range Impedance SWR | : 1.8–200 MHZ : 50 Ω : Less than 1.2:1 | Audio generator | | : 300–3000 Hz : 1–500 mV |
| Frequency counter | | | Attenuator | | : 50 or 60 dB : 150 W or more |
| | Sensitivity | : 100 mV or better | Spectrum analyzer | , | : At least 400 MHz |
| RF voltmeter | Frequency range Measuring range | : 0.1–200 MHz : 0.01–10 V | FM deviation meter | , , | : At least 200 MHz |
| Digital multimeter | Input impeadance | : 10 MΩ/DC or better | | | : 0 to ±10 kHz |
| Standard ignal generator (SSG) | Frequency range Output level | : 0.1–200 MHz : 0.1 µV–32 mV | Modulation analyzer | , , , | : At least 150 MHz : 0–100 % |
| genoralis (ccc) | ou.put iovo. | (-127 to -17 dBm) | External speaker | • | : 8 Ω |
| Distortion meter | Frequency range Measuring range | : 1 kHz ±10 % : 1–100 % | | Max. Input power | : 5 W |
| Oscilloscope | Frequency range Measuring range | : DC-20 MHz : 0.01-10 V | | | |

■ CONNECTION



4-2 PLL ADJUSTMENT

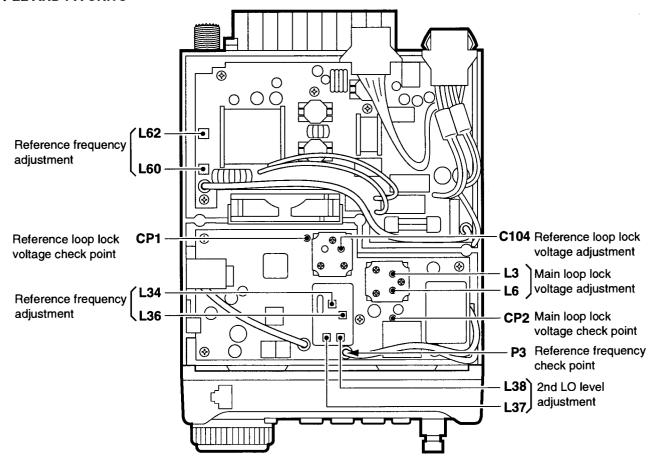
| AD IUSTNE | ıT. | ADJUSTMENT CONDITIONS | | MEASUREMENT | VALUE | ADJUSTMENT | |
|-----------------------------------|------------|--|-----|--|----------------------------------|------------|----------|
| ADJUSTMEN | N I | | | LOCATION | VALUE | UNIT | ADJUST |
| REFERENCE FREQUENCY | 1 | Displayed freq. : Any L36 (PLL unit) : Center Receiveing | PLL | Connect an RF voltmeter to check point P3. | Maximum level (0 dBm or more) | PLL | L37, L38 |
| | 2 | | | Connect a frequency counter to check point P3. | 60.000000 MHz | | L34, L36 |
| REFERENCE LOOP LOCK VOLTAGE | 1 | Displayed freq. : 0.03000 MHz Mode : USB Receiving | PLL | Connect a digital multimeter or oscilloscope to check point CP1. | 2.0 V | PLL | C104 |
| MAIN LOOP LOCK VOLTAGE | 1 | Displayed freq.: 30.00000 MHz Mode: USB Receiving | PLL | Connect a digital multimeter or oscilloscope to check | 1.1 V | PLL | L3 |
| | 2 | Displayed freq. : 60.00000 MHz Receiving | | point CP2. | 1.1 V | | L6 |

4-3 RECEIVER ADJUSTMENT

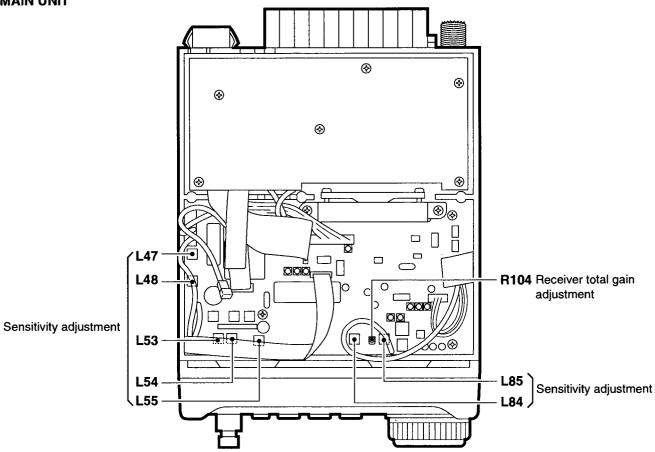
| AD WOTHER | | AD ILICTMENT CONDITIONS | | MEASUREMENT | VALUE | ADJUSTMENT | |
|------------------------|-----|--|---------------|---|--|------------|---|
| ADJUSTME | N I | ADJUSTMENT CONDITIONS | UNIT | LOCATION | VALUE | UNIT | ADJUST |
| SENSITIVITY | 2 | Displayed freq.: 14.10000 MHz Mode: USB [RIT]: OFF [M4 AGC]: Fast (F AGC) [M3 NB]: OFF [P.AMP/ATT]: Preamp ON [VOX GAIN]: Center [ANTI VOX]: Max counterclockwise [COMP GAIN]: Center [BEEP/SIDE T]: Center Connect a standard signal generator to [ANT 1] and set as: Frequency: 14.10150 MHz | | 1 - | Maximum AF output level 0.5 dB decrease | MAIN | Adjust repeatedly L47, L48, L55, L84, L85 |
| | | Level : 0.5 μV* (–113 dBm) | | | from step 1. | | |
| | 3 | Modulation : OFF • Receiving | | | 0.5 dB decrease from step 2. | | L54 |
| | 4 | Displayed freq.: 146.00000 MHz Connect a standard signal generator to [ANT 2] and set as: Frequency: 146.001500 MHz Receiving | | | Maximum AF output level | PA | L60, L62 |
| RECEIVER TOTAL GAIN | 1 | Displayed freq.: 14.1000 MHz Mode: USB [P.AMP/ATT]: Preamp OFF Connect a standard signal generator to [ANT 1] and set as: Frequency: 14.1015 MHz Level: 0.5 mV* (-53 dBm) and OFF Modulation: OFF Receiving | Rear panel | Connect an AC millivoltmeter to [EXT SP] jack with an 8 Ω dummy load. | 30 dB of AF level difference | MAIN | R401 |

^{*}This output level of a srandard signal generator (SSG) is indicated as SSG's open circuit.

• PLL AND PA UNITS



• MAIN UNIT



RECEIVER ADJUSTMENT (CONTINUED)

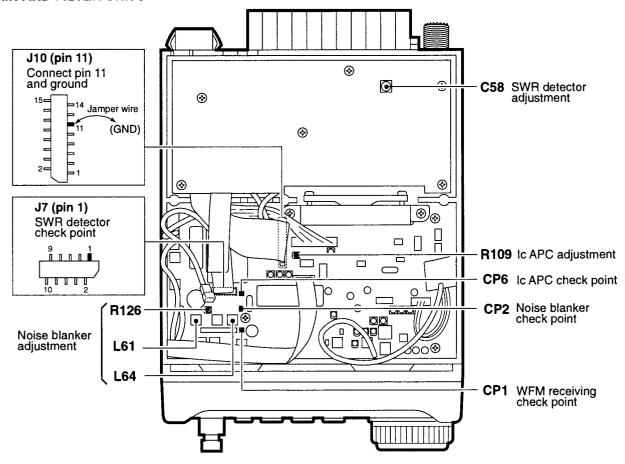
| ADJUSTME | MT | ADJUSTMENT CONDITIONS | | MEASUREMENT | VALUE | ADJUSTMENT | |
|------------------|----|---|------|--|--------------------|------------|----------|
| ADJUSTNIENT | | ADJUST MENT CONDITIONS | | LOCATION | VALUE | UNIT | ADJUST |
| WFM RECEIVING | 1 | Displayed freq.: 80.00000 MHz Mode: WFM Connect a standard signal generator to [ANT 2] and set as: Frequency: 80.00000 MHz Level: 0.5 mV* (-53 dBm) Receiving | MAIN | Connect a digital multimeter or oscilloscope to check point CP1. | 4.0 V | MAIN | L63 |
| NOISE BLANKER | 1 | Displayed freq.: 14.10000 MHz Mode: USB [M3 NB]: OFF [P.AMP/ATT]: Preamp R126 (MAIN unit): Center Connect a standard signal generator to [ANT 1] and set as: Frequency: 14.1015 MHz Level: 1.8 µV* (-82 dBm) and apply noise signal at right to [ANT 1] connector. Receiving | MAIN | Connect an oscilloscope to check point CP2. | Maximum voltage | MAIN | L61, L64 |
| | 2 | • [M3 NB] : ON • Receiving | | | Noise just reduces | | R126 |

^{*}This output level of a srandard signal generator (SSG) is indicated as SSG's open circuit.

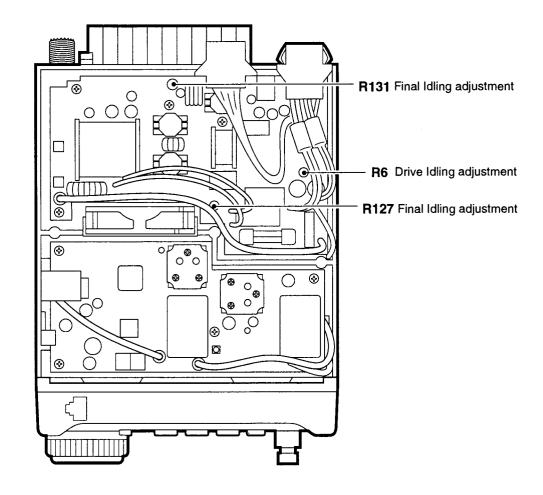
4-4 TRANSMITTER ADJUSTMENT

| AD HIOTHE | N.T | AD HIGHMENT CONDITIONS | | MEASUREMENT | \/A1.115 | ADJUSTMENT | |
|--|---|---|---------------|---|--|----------------------|----------------|
| ADJUSTME | NI | ADJUSTMENT CONDITIONS | UNIT LOCATION | | VALUE | UNIT | ADJUST |
| IDLING CURRENT (for drive amplifiers) | 1 | Displayed freq. : 14.10000 MHz Mode : USB [Q2 MIC GAIN] : 1 (minimum) R6 (PA unit) : Max. counterclockwise | PA | Connect a DC ammeter between the DC power supply and transceiver's DC | 1.2 A increase from that R6 is in max. counterclockwise | PA | R6 |
| (for final amplifiers) | PR131 (PA unit) : Max. counterclockwise R127 (PA unit) : Max. counterclockwise Transmitting | 0.5 A increase from step 1 | | R131 | | | |
| | 3 | Displayed freq. : 145.10000 MHz Transmitting | | | 1.0 A increase from that R127 is in max. counterclockwise | | R127 |
| SWR DETECTOR | 1 | Displayed freq.: 14.1000 MHz Mode: USB Ground pin 11 of J10 (MAIN unit). | Rear panel | Connect an RF power meter to [ANT 1] connector. | 100 W | Quick set mode | Q2 MIC GAIN |
| | 2 | Connect an audio generator to [MIC] connector and set as: 10 mV / 1.5 kHz Transmitting | MAIN | Connect a digital multimeter to pin 1 of J7. | Minimum voltage | FILTER | C58 |
| | Aft | er adjustment, remove the jumper wire fro | om J10. | | | | |
| Ic APC | 1 | Displayed frequency: 3.50000 MHz Mode: RTTY [Q1 RF POWER]: H R95 (MAIN unit): 3 o'clock position R109 (MAIN unit): 3 o'clock position R198 (MAIN unit): Max. clockwise Ground CP6 with a jumper wire. Transmitting | Rear panel | Connect a DC ammeter between the DC power supply and transceiver's DC power socket. | 22 A | MAIN | R109 |
| | Aft | er adjustment, remove the jumper wire fro | om CP6 | | · | | |

• MAIN AND FILTER UNITS



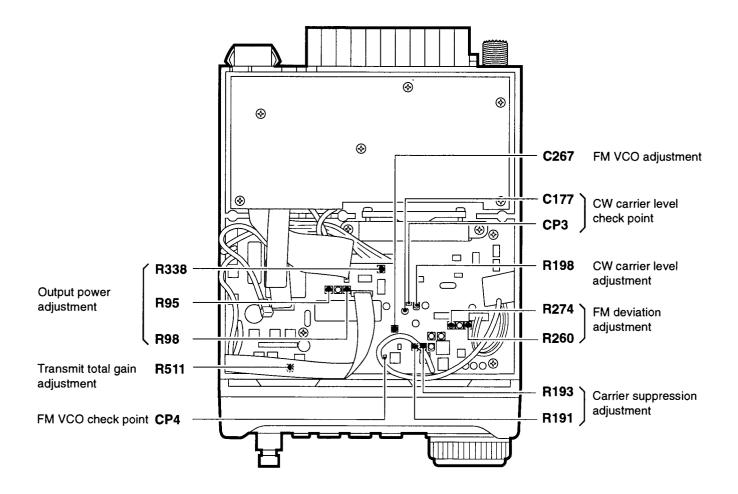
• PA UNIT



TRANSMITTER ADJUSTMENT (CONTINUED)

| | | | | MEASUREMENT | VALUE | ADJUSTMENT | |
|------------------------|----|---|---------------|---|---|------------|---------------------------------------|
| ADJUSTMEN | ΝT | ADJUSTMENT CONDITIONS | UNIT | LOCATION | VALUE | UNIT | ADJUST |
| TRANSMIT TOTAL GAIN | 1 | Displayed freq.: 14.10000 MHz Mode: USB [Q1 RF POWER]: H [Q2 MIC GAIN]: 5 Connect an audio generator to [MIC] connector and set as: 10 mV / 1.5 kHz Transmitting | Rear panel | Connect an RF power meter to [ANT 1] connector. | 50 W | MAIN | R511 |
| CARRIER SUPPRESSION | 1 | Displayed freq. : 14.10000 MHz Mode : USB and LSB Apply no AF signal to [MIC] connector. Transmitting | Rear panel | Connect a spectrum analyzer to [ANT 1] via an attenuator. | Minimum carrrier level | MAIN | Adjust repeatedly R191, R193 |
| OUTPUT POWER | 1 | Displayed freq. : 14.10000 MHz Mode : USB [Q2 MIC GAIN] : 5 Connect an audio generator to [MIC] connector and set as: 100 mV / 1.5 kHz Transmitting | Rear panel | Connect an RF power meter to [ANT 1] connector. | 100 W | MAIN | R95 |
| | 2 | Displayed freq. : 52.00000 MHz Transmitting | | | 100 W | | R98 |
| | 3 | Displayed freq. : 145.00000 MHz Transmitting | | Connect an RF power meter to [ANT 2] connector. | 20 W | | R338 |
| CW CARRIER LEVEL | 1 | Displayed freq.: 14.10000 MHz Mode: CW [Q1 RF POWER]: H [Q5 KEY SPEED]: 60 [M4 BRK]: BK (semi break-in) CW paddle: n Transmit dots for a while using a paddle. | MAIN | Connect an osilloscope to check point CP3 and C177. | Adjust as follows: Keying (C177) CP3 10 msec. | MAIN | R198 |
| FM VCO | 1 | Displayed freq.: 29.10000 MHz Mode: FM [M4 TON]: OFF [Q1 RF POWER]: H Apply no signal to [MIC] connector. Transmitting | MAIN | Connect a digital multimeter to check point CP4. | 1.8 V | MAIN | C267 |
| FM DEVIATION | 1 | Displayed freq.: 29.10000 MHz Mode: FM [M4 TON]: OFF [Q1 RF POWER]: H [Q2 MIC GAIN]: 5 R260 (MAIN unit): Center Connect an audio generator to [MIC] connector and set as: 300 mV / 1 kHz Transmitting | Rear panel | Connect an FM deviation meter to [ANT 1] via an attenuator. | ±4.5 kHz | MAIN | R274 |
| | 2 | Set the audio generator as: 10 mV / 1 kHz Transmitting | | | ±3.5 kHz | | R260 |

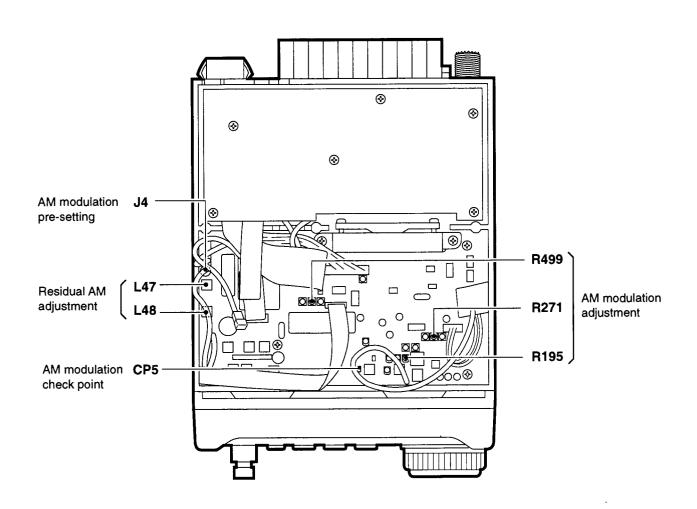
MAIN UNIT



TRANSMITTER ADJUSTMENT (CONTINUED)

| | | AD HISTMENT CONDITIONS | | MEASUREMENT | VALUE | ADJUSTMENT | |
|------------------|---|--|---------------|---|---|------------|----------|
| ADJUSTMENT | | ADJUSTMENT CONDITIONS | UNIT | LOCATION | VALUE | UNIT | ADJUST |
| RESIDUAL AM | 1 | Displayed freq.: 29.10000 MHz Mode: FM [M4 TON]: OFF [Q1 RF POWER]: H [Q2 MIC GAIN]: 5 Connect an audio generator to [MIC] connector and set as: 100 mV /1 kHz and OFF Transmitting | | Connect an RF power meter to [ANT 1] connector. | Minimum power difference with modulationand unmodulation. | MAIN | L47, L48 |
| AM MODULATION | 1 | Displayed freq.: 14.10000 MHz Mode: AM [Q1 RF POWER]: H [Q2 MIC GAIN]: 5 Disconnect the plug from J4 (MAIN unit). Transmitting | MAIN | Connect an osilloscope to check point CP5. | 100 mVp-p | MAIN | R195 |
| | 2 | Connect the plug to J4 (MAIN unit). Apply no signal to [MIC] connector. Transmitting | Rear panel | Connect an RF power meter to [ANT 1] connector. | 35 W | 1 | R499 |
| | 3 | Connect an audio generator to [MIC] connector and set as: 100 mV /1 kHz Transmitting | | Connect a modulation analyzer to [ANT 1] via an attenuator. | 90 % modulation | | R271 |

• MAIN UNIT



4-5 METER ADJUSTMENT (METER SET MODE)

| ADJUSTMEN | ٧T | ADJUSTMENT CONDITIONS | DISPLAY | OPERATION | |
|-----------------------------|----|---|---------------------------------|---|--|
| METER SET MODE | 1 | Enter Meter set mode : Turn power OFF Terminate the [REMOTE] jack with a 3.5(d) mm mini-plug. | SEE LIP | Push [F-2 (RX)], [F-3 (TX)] to enter the RX, TX meter setting mode respectively. Then advance to the following | |
| | | While pushing [P.AMP/ATT] and [TUNE/CALL], turn power ON. | E _{xIT} RX TX | setting, or push [UP]/[DN] to scroll the display. | |
| S-METER | 1 | Connect a standard signal generator to [ANT 1] and set as: Frequency : 14.15150 Level : OFF | M.M. SØ LEVEL | Push [MENU] to set the "S0" level. | |
| | 2 | • Set the standard signal generator as: Level : 50 µV* (-73 dBm) Modulation : OFF | R.H 59 LEVEL | Push [MENU] to set the "S9" level. | |
| | 3 | • Set the standard signal as: Level : 50 mV* (-13 dBm) | ILM +60dB LEVEL | Push [MENU] to set the "+60 dB" level. • The display returns to the same as the METER SET MODE above. | |
| | 4 | Push [F-1 (EXIT)] to exit meter set mode, | or push [F-3 (TX)] to enter the | TX meter setting mode. | |
| FILTER CALIBRATION | 1 | Connect an RF power meter to [ANT 1]. | GO FILTER CAL | Push and hold [MENU (GO)] to make the calibration. • Transceiver transmits for a while. | |
| POWER METER (14 MHz) | 2 | Transmit using an external PTT switch. | ⊪.⊯ SET 90 % | Set to 90 W using main dial, then push [MENU] while transmitting. | |
| (14 MITIZ) | 3 | Transmit using an external PTT switch. | W.W SET 50 % | Set to 50 W using main dial, then push [MENU] while transmitting. | |
| TUNING POWER (14 MHz) | 4 | Transmit using an external PTT switch. | ILM SET TUNE Po | Set to 10 W using main dial, then push [MENU] while transmitting. | |
| (50 MHz) | 5 | Transmit using an external PTT switch. | IL.II SET TUNE Po | Set to 10 W using main dial, then push [MENU] while transmitting. | |
| POWER METER (145 MHz) | 6 | Connect the RF power meter to [ANT 2]. Transmit using an external PTT switch. | ₩. ₩ SET 90 % | Set to 18 W using main dial, then push [MENU] while transmitting. | |
| | 7 | Transmit using an external PTT switch. | ₩.₩ SET 50% | Set to 10 W using main dial, then push [MENU] while transmitting. | |
| ALC METER | 8 | Connect the RF power meter to [ANT 1]. | ₩.M ALC START | Push and hold [MENU] to set ALC reference level while transmitting. | |
| | 9 | Connect an audio generator to [MIC] connector and set as: Level : 100 mV / 1.5 kHz Transmit using an external PTT switch. | ₩.₩ +20dB LEVEL | Push [MENU] to set ALC zone level. | |
| SWR METER | 10 | • Connect a 50 Ω dummy load or power meter to [ANT 1]. | ₩.W SWR 1 LOAD | Push [MENU] to set SWR reference level. Transceiver transmits for a while. | |
| | 11 | • Connect a 100 Ω or 25 Ω dummy load to [ANT 1]. | ₩.₩ SWR 2 LOAD | Push [MENU] to set SWR 2 level. Transceiver transmits for a while. The display returns to the same as the METER SET MODE above. | |
| | 12 | Push [F-1(EXIT)] to exit meter set mode. | | I | |

SECTION 5 PARTS LIST

[DISPLAY BOARD]

ORDER RFF **DESCRIPTION** NO. NO. IC1 1140006690 HD6433833A84H SX-1897S S.IC SED1522F0C (QFP15-100PIN) IC2 1130007960 S.IC 1130002660 uPD4030BG-T1 IC3 SJC SIC S-8054ALB-LM-T1 1110001550 IC4 S-81250PG-PD-T1 IC5 1180001080 S.IC IC6 1140003630 S.IC X24C01S-2.7T6 TC4S584F(TE85R) IC7 1130005820 SIC O1 1590000680 S.TRANSISTOR DTC114EU T107 1520000200 S TRANSISTOR Q2 2SB798-T2 DK DTC114EE TL 1590002310 S.TRANSISTOR 03 1540000440 S.TRANSISTOR 04 2SD1619-T-TD Q5 1530002690 S.TRANSISTOR 2SC4116-GR (TE85R) 061540000250 S TRANSISTOR 2SD999-T2 CK 2SC4213-B (TE85R) 1530003090 S.TRANSISTOR Q7 S.TRANSISTOR O8 1590002310 DTC114EE TL O_9 1590001870 S.TRANSISTOR DTA114EF TI. 1530002060 S TRANSISTOR O10 2SC4081 T107 B TRANSISTOR Q11 1520000380 2SB1143 S 1590002310 S.TRANSISTOR DTC114EE TL Q12 D1 1750000370 S.DIODE **DA221 TL** 1750000370 S.DIODE D2 **DA221 TL DA221 TL** D3 1750000370 S.DIODE D5 1160000140 S.DIODE DAP222 TL 1160000140 S.DIODE DAP222 TL D6 1160000140 S.DIODE DAP222 TL D7 S.DIODE DAP222 TL D8 1160000140 D9 1160000140 S.DIODE DAP222 TL X1 6050009660 S.XTAL MA-406 (9.8304 MHz) 6200003260 S.COIL NL 322522T-101J L1 L2 6200003590 S.COIL EXCCL3225U1 L3 6200003590 S.COIL EXCCL3225U1 6200003590 EXCCL3225U1 L4 S.COIL L5 6200003590 S.COIL EXCCL3225U1 L6 6200003590 S.COIL EXCCL3225U1 R1 7030003340 S.RESISTOR ERJ3GEYJ 151 V (150 Ω) R2 7030003400 S.RESISTOR ERJ3GEYJ 471 V (470 Ω) R3 7030003400 S.RESISTOR ERJ3GEYJ 471 V (470 Ω) ERJ3GEYJ 102 V (1 kΩ) R4 7030003440 S.RESISTOR R5 7030003340 S.RESISTOR ERJ3GEYJ 151 V (150 Ω) R6 7030003440 S.RESISTOR ERJ3GEYJ 102 V (1 kΩ) R7 7030003440 S.RESISTOR ERJ3GEYJ 102 V (1 kΩ) ERJ3GEYJ 183 V (18 kΩ) R8 7030003590 S.RESISTOR R9 7030003560 S.RESISTOR ERJ3GEYJ 103 V (10 kΩ) R10 7030003590 S.RESISTOR ERJ3GEYJ 183 V (18 kΩ) R11 7030003560 S.RESISTOR ERJ3GEYJ 103 V (10 kΩ) ERJ3GEYJ 183 V (18 kΩ) R12 7030003590 S.RESISTOR R13 7030003560 S.RESISTOR ERJ3GEYJ 103 V (10 kΩ) ERJ3GEYJ 183 V (18 kΩ) R14 7030003590 S.RESISTOR R15 7030003560 S.RESISTOR ERJ3GEYJ 103 V (10 kΩ) ERJ3GEYJ 183 V (18 kΩ) R16 7030003590 S.RESISTOR R17 7030003560 S.RESISTOR ERJ3GEYJ 103 V (10 kΩ) R18 7030003590 S.RESISTOR ERJ3GEYJ 183 V (18 kΩ) R19 7030003560 S.RESISTOR ERJ3GEYJ 103 V (10 kΩ) ERJ3GEYJ 103 V (10 kΩ) R20 7030003560 S.RESISTOR 7030003560 ERJ3GEYJ 103 V (10 kΩ) **R21** S.RESISTOR 7030003560 ERJ3GEYJ 103 V (10 kΩ) R22 S.RESISTOR R23 7030003560 S.RESISTOR ERJ3GEYJ 103 V (10 kΩ) 7030003560 S.RESISTOR ERJ3GEYJ 103 V (10 kΩ) R24 R25 7030003560 S.RESISTOR ERJ3GEYJ 103 V (10 kΩ) R26 7030003640 S.RESISTOR ERJ3GEYJ 473 V (47 kΩ) R27 7030003640 S.RESISTOR ERJ3GEYJ 473 V (47 kΩ) R29 7030003640 S.RESISTOR ERJ3GEYJ 473 V (47 kΩ) R30 7030003440 S.RESISTOR ERJ3GEYJ 102 V (1 kΩ) R31 7030000240 S.RESISTOR MCR10EZHJ 68 Ω (680) ERJ3GEYJ 103 V (10 kΩ) R32 7030003560 S.RESISTOR R33 7010003830 RESISTOR R20J 1 Ω

[DISPLAY BOARD]

| [DISPL | [DISPLAY BOARD] | | | | | |
|--------------|--------------------------|--------------------------|--|--|--|--|
| REF NO. | ORDER NO. | DE | SCRIPTION | | | |
| R34 | 7030003200 | S.RESISTOR | ERJ3GEYJ 100 V (10 Ω) | | | |
| R35 R36 | 7030000240 7030003440 | S.RESISTOR S.RESISTOR | MCR10EZHJ 68 Ω (680) ERJ3GEYJ 102 V (1 kΩ) | | | |
| R37 | 7030003440 | S.RESISTOR | ERJ3GEYJ 223 V (22 kΩ) | | | |
| R38 | 7030003320 | S.RESISTOR | ERJ3GEYJ 101 V (100 Ω) | | | |
| R39 | 7030003320 | S.RESISTOR | ERJ3GEYJ 101 V (100 Ω) | | | |
| R40 | 7030003640 | S.RESISTOR | ERJ3GEYJ 473 V (47 kΩ) | | | |
| R41 R42 | 7030003640 7030003440 | S.RESISTOR S.RESISTOR | ERJ3GEYJ 473 V (47 kΩ) ERJ3GEYJ 102 V (1 kΩ) | | | |
| R44 | 7030003500 | S.RESISTOR | ERJ3GEYJ 332 V (3.3 kΩ) | | | |
| R45 | 7030003500 | S.RESISTOR | ERJ3GEYJ 332 V (3.3 kΩ) | | | |
| R46 | 7030008060 | S.RESISTOR | RR0816P-222-D (2.2kΩ) | | | |
| R47 R49 | 7030003640 7030003360 | S.RESISTOR S.RESISTOR | ERJ3GEYJ 473 V (47 kΩ) ERJ3GEYJ 221 V (220 Ω) | | | |
| R50 | 7030003800 | S.RESISTOR | ERJ3GEYJ 105 V (1 MΩ) | | | |
| R51 | 7030003680 | S.RESISTOR | ERJ3GEYJ 104 V (100 kΩ) | | | |
| R52 | 7030003720 | S.RESISTOR | ERJ3GEYJ 224 V (220 kΩ) | | | |
| R53 R54 | 7030003680 7030003800 | S.RESISTOR S.RESISTOR | ERJ3GEYJ 104 V (100 kΩ) ERJ3GEYJ 105 V (1 MΩ) | | | |
| R55 | 7030003680 | S.RESISTOR | ERJ3GEYJ 104 V (100 kΩ) | | | |
| R56 | 7030003720 | S.RESISTOR | ERJ3GEYJ 224 V (220 kΩ) | | | |
| R57 | 7030003680 | S.RESISTOR | ERJ3GEYJ 104 V (100 kΩ) | | | |
| R58 R59 | 7030003800 7030003680 | S.RESISTOR S.RESISTOR | ERJ3GEYJ 105 V (1 MΩ) ERJ3GEYJ 104 V (100 kΩ) | | | |
| R60 | 7030003680 | S.RESISTOR | ERJ3GEYJ 104 V (100 kΩ) | | | |
| R61 | 7030003440 | S.RESISTOR | ERJ3GEYJ 102 V (1 kΩ) | | | |
| R62 | 7030003760 | S.RESISTOR | ERJ3GEYJ 474 V (470 kΩ) | | | |
| R63 R64 | 7030003720 7030003720 | S.RESISTOR S.RESISTOR | ERJ3GEYJ 224 V (220 kΩ) | | | |
| R65 | 7030003720 | S.RESISTOR | ERJ3GEYJ 224 V (220 kΩ) ERJ3GEYJ 103 V (10 kΩ) | | | |
| R66 | 7030003560 | S.RESISTOR | ERJ3GEYJ 103 V (10 kΩ) | | | |
| R67 | 7030003560 | S.RESISTOR | ERJ3GEYJ 103 V (10 kΩ) | | | |
| R68 R69 | 7030003560 7030003520 | S.RESISTOR S.RESISTOR | ERJ3GEYJ 103 V (10 kΩ) ERJ3GEYJ 472 V (4.7 kΩ) | | | |
| R70 | 7030003520 | S.RESISTOR | ERJ3GEYJ 472 V (4.7 kΩ) | | | |
| R71 | 7030003520 | S.RESISTOR | ERJ3GEYJ 472 V (4.7 kΩ) | | | |
| R72 | 7030003520 | S.RESISTOR | ERJ3GEYJ 472 V (4.7 kΩ) | | | |
| R73 R74 | 7030003520 | S.RESISTOR | ERJ3GEYJ 472 V (4.7 kΩ) | | | |
| R75 | 7030003680 7030003680 | S.RESISTOR S.RESISTOR | ERJ3GEYJ 104 V (100 kΩ) ERJ3GEYJ 104 V (100 kΩ) | | | |
| R76 | 7030003840 | S.RESISTOR | ERJ3GEYJ 225 V (2.2 MΩ) | | | |
| R83 | 7030003600 | S.RESISTOR | ERJ3GEYJ 223 V (22 kΩ) | | | |
| R84 R85 | 7030003600 7030003680 | S.RESISTOR S.RESISTOR | ERJ3GEYJ 223 V (22 kΩ) ERJ3GEYJ 104 V (100 kΩ) | | | |
| R86 | 7010003830 | RESISTOR | R20J 1 Ω | | | |
| R89 | 7030003520 | S.RESISTOR | ERJ3GEYJ 472 V (4.7 kΩ) | | | |
| R90 | 7030000240 | S.RESISTOR | MCR10EZHJ 68 Ω (680) | | | |
| R91 R92 | 7030000240 7030003440 | S.RESISTOR S.RESISTOR | MCR10EZHJ 68 Ω (680) | | | |
| R93 | 7030003440 | S.RESISTOR | ERJ3GEYJ 102 V (1 kΩ) ERJ3GEYJ 102 V (1 kΩ) | | | |
| R94 | 7030003200 | S.RESISTOR | ERJ3GEYJ 100 V (10 Ω) | | | |
| R95 | 7030003200 | S.RESISTOR | ERJ3GEYJ 100 V (10 Ω) | | | |
| R96 | 7030003200 | S.RESISTOR S.RESISTOR | ERJ3GEYJ 100 V (10 Ω) ERJ3GEYJ 391 V (390 Ω) | | | |
| R97 R98 | 7030003390 7030003480 | S.RESISTOR | ERJ3GEYJ 391 V (390 Ω) ERJ3GEYJ 222 V (2.2 kΩ) | | | |
| R99 | 7030003340 | S.RESISTOR | ERJ3GEYJ 151 V (150 Ω) | | | |
| R100 | 7030003800 | S.RESISTOR | ERJ3GEYJ 105 V (1 MΩ) | | | |
| R101 | 7030003680 | S.RESISTOR | ERJ3GEYJ 104 V (100 kΩ) | | | |
| R102 R103 | 7030003720 7030003680 | S.RESISTOR S.RESISTOR | ERJ3GEYJ 224 V (220 kΩ) ERJ3GEYJ 104 V (100 kΩ) | | | |
| R103 | 7030003080 | S.RESISTOR | ERJ3GEYJ 105 V (1 MΩ) | | | |
| R105 | 7030003680 | S.RESISTOR | ERJ3GEYJ 104 V (100 kΩ) | | | |
| R106 | 7030003720 | S.RESISTOR | ERJ3GEYJ 224 V (220 kΩ) | | | |
| R107 | 7030003680 | S.RESISTOR | ERJ3GEYJ 104 V (100 kΩ) | | | |
| l | | | | | | |
| C1 | 4030006880 | S.CERAMIC | C1608 JB 1H 472K-T-A | | | |
| C2 | 4030006880 | S.CERAMIC | C1608 JB 1H 472K-T-A C1608 JB 1H 472K-T-A | | | |
| C4 C5 | 4030006880 4030009110 | S.CERAMIC S.CERAMIC | C3216 JB 1C 474K-T-A | | | |
| C7 | 4030006880 | S.CERAMIC | C1608 JB 1H 472K-T-A | | | |
| C8 | 4030006880 | S.CERAMIC | C1608 JB 1H 472K-T-A | | | |
| C9 | 4030006880 | S.CERAMIC | C1608 JB 1H 472K-T-A | | | |
| C10 C11 | 4030007020 4030007020 | S.CERAMIC S.CERAMIC | C1608 CH 1H 120J-T-A C1608 CH 1H 120J-T-A | | | |
| C12 | 4030011600 | S.CERAMIC | C1608 JB 1C 104KT-N | | | |
| L | | | | | | |

[DISPLAY BOARD]

| REF | ORDER | | | | | | | |
|------------|--------------------------|--------------------------|---|--|--|--|--|--|
| NO. | NO. | | CRIPTION | | | | | |
| C13 | 4030011600 | S.CERAMIC S.CERAMIC | C1608 JB 1C 104KT-N C1608 JB 1C 104KT-N | | | | | |
| C14 C15 | 4030011600 4030006860 | S.CERAMIC S.CERAMIC | C1608 JB 1H 102K-T-A | | | | | |
| C16 | 4030006860 | S.CERAMIC | C1608 JB 1H 102K-T-A | | | | | |
| C17 | 4030009660 | S.CERAMIC | C1608 JF 1C 224Z-T-A | | | | | |
| C18 | 4030009590 | S.CERAMIC | C2012 JF 1C 225Z-T-A | | | | | |
| C19 | 4030011600 | S.CERAMIC | C1608 JB 1C 104KT-N | | | | | |
| C20 | 4030009590 | S.CERAMIC | C2012 JF 1C 225Z-T-A | | | | | |
| C21 | 4510004630 | S.ELECTROLYTIC | C1608 JB 1C 104KT-N | | | | | |
| C22 C23 | 4030011600 4030011600 | S.CERAMIC S.CERAMIC | C1608 JB 1C 104KT-N | | | | | |
| C24 | 4510004630 | S.ELECTROLYTIC | | | | | | |
| C25 | 4030011600 | S.CERAMIC | C1608 JB 1C 104KT-N | | | | | |
| C26 | 4030011600 | S.CERAMIC | C1608 JB 1C 104KT-N | | | | | |
| C27 | 4030009590 | S.CERAMIC | C2012 JF 1C 225Z-T-A | | | | | |
| C28 | 4030009590 | S.CERAMIC | C2012 JF 1C 225Z-T-A | | | | | |
| C29 C30 | 4030011600 4030006880 | S.CERAMIC S.CERAMIC | C1608 JB 1C 104KT-N C1608 JB 1H 472K-T-A | | | | | |
| C31 | 4030006880 | S.CERAMIC | C1608 JB 1H 472K-T-A | | | | | |
| C32 | 4030006880 | S.CERAMIC | C1608 JB 1H 472K-T-A | | | | | |
| C33 | 4030006880 | S.CERAMIC | C1608 JB 1H 472K-T-A | | | | | |
| C34 | 4030006850 | S.CERAMIC | C1608 JB 1H 471K-T-A | | | | | |
| C35 | 4030006860 | S.CERAMIC | C1608 JB 1H 102K-T-A | | | | | |
| C36 | 4030006860 | S.CERAMIC | C1608 JB 1H 102K-T-A | | | | | |
| DS1 | 5040002020 | S.LED | CL-170UR-CD-T | | | | | |
| DS2 | 5040002010 | S.LED | CL-170PG-CD-T | | | | | |
| DS3 | 5040002020 | S.LED | CL-170UR-CD-T | | | | | |
| DS4 | 5010000210 | LCD | DLC-7986YBGF | | | | | |
| DS5 | 5030001290 | LED | D2264 | | | | | |
| S1 | 2260002250 | s.switch | LS22BB-2SD-PG-T | | | | | |
| S2 | 2260002240 | S.SWITCH | LS21BB-2SD-T | | | | | |
| S3 | 2260001890 | S.SWITCH | SKQDPA | | | | | |
| S4 S5 | 2260001890 2260001890 | S.SWITCH S.SWITCH | SKQDPA SKQDPA | | | | | |
| S6 | 2260001890 | S.SWITCH | SKQDPA | | | | | |
| S7 | 2260001890 | S.SWITCH | SKQDPA | | | | | |
| S8 | 2260001890 | S.SWITCH | SKQDPA | | | | | |
| S9 | 2260001890 | S.SWITCH | SKQDPA | | | | | |
| S10 | 2260001890 | S.SWITCH | SKQDPA | | | | | |
| S11 | 2260001680 | S.SWITCH S.SWITCH | SKQDPB SKQDPB | | | | | |
| S12 S13 | 2260001680 | S.SWITCH | LS22BB-2SD-PG-T | | | | | |
| S14 | 2260001680 | s.switch | SKQDPB | | | | | |
| | 6510010100 | S CONNECTOR | S8B-PH-SM3-TB | | | | | |
| J1 J2 | 6510019120 6450001630 | S.CONNECTOR CONNECTOR | HSJ1406-01-050 | | | | | |
| J3 | 6510018890 | S.CONNECTOR | 52559-1390 | | | | | |
| | | | | | | | | |
| W1 | 7030003860 | S.JUMPER | ERJ3GE JPW V | | | | | |
| EP1 | 0910048473 | PCB | B 4914C | | | | | |
| EP2 | 8930039790 | LCD CONTACT | SRCN-1691-ZSS-505 | | | | | |
| | | <u> </u> | | | | | | |

[VR BOARD]

| REF NO. | ORDER NO. | DESCRIPTION | | | | |
|------------|--------------------------|----------------------|-------------------------------------|--|--|--|
| R1 R2 | 7210002780 7210002940 | VARIABLE VARIABLE | RV-300 TP96D231E20-20F-10KB-1897 | | | |
| S1 | 2220000540 | switch | SW-162 (SSSS22-2-11) | | | |
| J1 | 6510018890 | S.CONNECTOR | 52559-1390 | | | |
| EP1 | 0910048622 | РСВ | B 4915B | | | |
| | | | | | | |

IMAIN BOARDI

| [MAIN | BOARD] | | |
|--------------|--------------------------|------------------------------|-------------------------------------|
| REF NO. | ORDER NO. | DES | CRIPTION |
| IC1 | 1110004080 | S.IC | μPC2709T-E3 |
| IC4 | 1110003310 | S.IC | μPC1688G-T1 |
| IC6 | 1110003960 | S.IC | μPC2713T-E3 NJM2902V-TE1 |
| IC7 IC9 | 1110003780 1110003140 | S.IC IC | LA1150N |
| IC10 | 1160000130 | S.IC | TD62783AF (TP1) |
| IC11 | 1160000130 | S.IC | TD62783AF (TP1) |
| IC12 | 1110002700 | S.IC | NJM2904M-T1 |
| IC15 | 1130007820 | S.IC | BU4052BCF-T1 |
| IC16 | 1110003350 | S.IC | μPC1037GR-E1 (MS) |
| IC17 IC18 | 1110003350 1110003200 | S.IC S.IC | μPC1037GR-E1 (MS) TA31136FN (EL) |
| IC22 | 1140005280 | S.IC | uPC5023GS-077-E1 |
| IC23 | 1130006220 | S.IC | TC4W53FU (TE12L) |
| IC24 | 1110002490 | S.IC | M5218FP-73A |
| IC25 | 1140006270 | S.IC | HD6433336YL05F SX-1897A |
| IC26 | 1110001550 | S.IC | S-8054ALB-LM-T1 |
| IC27 IC30 | 1130005720 1130000830 | S.IC S.IC | TC7W04F (TE12L) µPD4094BG-T1 |
| IC31 | 1130000830 | S.IC | uPD4094BG-T1 |
| IC32 | 1130000830 | S.IC | μPD4094BG-T1 |
| IC33 | 1130003760 | S.IC | TC4S81F (TE85R) |
| IC34 | 1110002700 | S.IC | NJM2904M-T1 |
| IC35 | 1110003690 | S.IC | M62354GP 75EC |
| IC36 IC37 | 1160000130 1130007660 | S.IC S.IC | TD62783AF (TP1) LC7153M-TLM |
| 1C38 | 1110004100 | S.IC | TA4001F (TE85L) |
| IC39 | 1130000830 | S.IC | μPD4094BG-T1 |
| IC40 | 1140005880 | S.IC | X25320S8I-2.7T6 |
| IC41 | 1110003970 | S.IC | μPC1658G-E1 |
| | | | |
| Q1 | 1590001940 | S.TRANSISTOR | DTC144EE TL |
| Q2 Q3 | 1590002310 1590002310 | S.TRANSISTOR S.TRANSISTOR | DTC114EE TL DTC114EE TL |
| Q4 | 1530002310 | S.TRANSISTOR | 2SC4673D-TD |
| Q5 | 1530002060 | S.TRANSISTOR | 2SC4081 T107 R |
| Q6 | 1590002310 | S.TRANSISTOR | DTC114EE TL |
| Q7 | 1590001940 | S.TRANSISTOR | DTC144EE TL |
| Q8 | 1510000510 | S.TRANSISTOR | 2SA1576 T107 R |
| Q9 Q10 | 1530002060 1560000560 | S.TRANSISTOR S.FET | 2SC4081 T107 R 2SK882-GR (TE85L) |
| 011 | 1510000510 | S.TRANSISTOR | 2SA1576 T107 R |
| Q12 | 1560000560 | S.FET | 2SK882-GR (TE85L) |
| Q13 | 1530002060 | S.TRANSISTOR | 2SC4081 T107 R |
| Q14 | 1590001870 | S.TRANSISTOR | DTA114EE TL |
| Q15 Q16 | 1590001940 1530002060 | S.TRANSISTOR S.TRANSISTOR | DTC144EE TL 2SC4081 T107 R |
| Q21 | 1530002060 | S.TRANSISTOR | 2SC4081 T107 R |
| Q23 | 1590001940 | S.TRANSISTOR | DTC144EE TL |
| Q27 | 1530003090 | S.TRANSISTOR | 2SC4213-B (TE85R) |
| Q28 | 1530002060 | S.TRANSISTOR | 2SC4081 T107 R |
| Q29 | 1510000510 1590001940 | S.TRANSISTOR S.TRANSISTOR | 2SA1576 T107 R DTC144EE TL |
| Q30 Q31 | 1590001940 | S.TRANSISTOR | DTA114EE TL |
| Q32 | 1540000450 | S.TRANSISTOR | 2SD1623-T-TD |
| Q33 | 1530002060 | S.TRANSISTOR | 2SC4081 T107 R |
| Q34 | 1530002060 | S.TRANSISTOR | 2SC4081 T107 R |
| Q35 | 1510000510 | S.TRANSISTOR | 2SA1576 T107 R 2SC4081 T107 R |
| Q36 Q37 | 1590001940 | S.TRANSISTOR S.TRANSISTOR | DTC144EE TL |
| Q39 | 1530001940 | S.TRANSISTOR | 2SC4081 T107 R |
| Q40 | 1560000330 | S.FET | 2SK210-GR (TE85R) |
| Q41 | 1530002060 | S.TRANSISTOR | 2SC4081 T107 R |
| Q42 | 1580000620 | S.FET | 3SK131-T2 MAS |
| Q43 Q44 | 1560000560 1530002060 | S.FET S.TRANSISTOR | 2SK882-GR (TE85L) 2SC4081 T107 R |
| Q44 Q45 | 1590001940 | S.TRANSISTOR | DTC144EE TL |
| Q46 | 1590002310 | S.TRANSISTOR | DTC114EE TL |
| Q47 | 1590002310 | S.TRANSISTOR | DTC114EE TL |
| Q48 | 1530002060 | S.TRANSISTOR | 2SC4081 T107 R |
| Q49 Q50 | 1590002310 1590001940 | S.TRANSISTOR S.TRANSISTOR | DTC114EE TL DTC144EE TL |
| Q51 | 1590001940 | S.TRANSISTOR | DTA114EE TL |
| Q52 | 1530002060 | S.TRANSISTOR | 2SC4081 T107 R |
| Q55 | 1590001540 | S.TRANSISTOR | UMD6 TL |
| Q56 | 1590001540 | S.TRANSISTOR | UMD6 TL |
| Q63 | 1530002060 | S.TRANSISTOR S.TRANSISTOR | 2SC4081 T107 R DTC144EE TL |
| Q64 Q65 | 1590001940 1530002060 | S.TRANSISTOR | 2SC4081 T107 R |
| Q66 | 1590001940 | S.TRANSISTOR | DTC144EE TL |
| Q67 | 1590001920 | S.TRANSISTOR | UN911F (TX) |

[MAIN BOARD]

| [IAIWIIA | BOAHD | | | LIVI | All4 | BOAKD] | | |
|------------|--------------------------|------------------------------|---|----------|------------|--------------------------|---------------------|---|
| REF NO. | ORDER NO. | DES | CRIPTION | | REF NO. | ORDER NO. | DESC | CRIPTION |
| Q68 | 1530002060 | S.TRANSISTOR | 2SC4081 T107 R | D1 | 112 | 1790001250 | S.DIODE | MA2S111- (TX) |
| Q69 | 1590002310 | S.TRANSISTOR | DTC114EE TL | | | | | [EUR], [FRA] only |
| Q70 | 1590001870 | S.TRANSISTOR | DTA114EE TL | D1 | | 1790001250 | S.DIODE | MA2S111- (TX) |
| Q71 | 1590001870 | S.TRANSISTOR | DTA114EE TL | D1 | | 1790001250 | S.DIODE | MA2S111- (TX) |
| Q72 | 1590001940 | S.TRANSISTOR | DTC144EE TL | D1 | | 1790001250 | S.DIODE | MA2S111- (TX) |
| Q77 | 1590001870 | S.TRANSISTOR | DTA114EE TL | D1 D1 | | 1790001250 1790001250 | S.DIODE S.DIODE | MA2S111- (TX) MA2S111- (TX) |
| Q78 Q79 | 1590001870 1590001940 | S.TRANSISTOR S.TRANSISTOR | DTA114EE TL DTC144EE TL | D1 | | 1790001250 | S.DIODE S.DIODE | MA2S111- (TX) |
| Q80 | 1590001940 | S.TRANSISTOR | DTC144EE TL | D1 | | 1750000530 | S.DIODE | 1SV271 (TPH3) |
| Q81 | 1590001940 | S.TRANSISTOR | DTC144EE TL | D1 | | 1790000450 | S.DIODE | MA862 (TX) |
| Q82 | 1590001870 | S.TRANSISTOR | DTA114EE TL | | 122 | 1790000450 | S.DIODE | MA862 (TX) |
| | | | | D1 | 123 | 1790000620 | S.DIODE | MA77 (TW) |
| | | | | | 124 | 1160000140 | S.DIODE | DAP222 TL |
| D1 | 1750000450 | S.DIODE | 1SV265-TL | | 126 | 1750000370 | S.DIODE | DA221 TL |
| D2 | 1750000210 | S.DIODE | 1SV237 (TE85R) | | 127 | 1790000620 | S.DIODE S.DIODE | MA77 (TW) DAN222TL |
| D13 D14 | 1750000450 1750000450 | S.DIODE S.DIODE | 1SV265-TL 1SV265-TL | _ | 128 129 | 1750000520 1790001250 | S.DIODE S.DIODE | MA2S111- (TX) |
| D14 | 1750000430 | S.DIODE | 1SV237 (TE85R) | | 130 | 1750001230 | S.DIODE | HSB88WSTR |
| D16 | 1790000450 | S.DIODE | MA862 (TX) | | 131 | 1750000430 | S.DIODE | HSB88WSTR |
| D17 | 1790000450 | S.DIODE | MA862 (TX) | | 132 | 1750000520 | S.DIODE | DAN222TL |
| D20 | 1790000450 | S.DIODE | MA862 (TX) | | 133 | 1750000210 | S.DIODE | 1SV237 (TE85R) |
| D21 | 1790000450 | S.DIODE | MA862 (TX) | D1 | 134 | 1790001250 | S.DIODE | MA2S111- (TX) |
| D22 | 1750000450 | S.DIODE | 1SV265-TL | | | | | |
| D23 | 1750000450 | S.DIODE | 1SV265-TL | | , | 001000000 | EU TED | EL 064 (60 0445 MUE) |
| D24 | 1790000450 | S.DIODE | MA862 (TX) | FI1 | | 2010002090 2020001140 | FILTER | FL-261 (69.0115 MHz) SFECA10.7MA-5-A |
| D25 D26 | 1790000450 | S.DIODE S.DIODE | MA862 (TX) MA862 (TX) | Fl2 | | 2020001140 | S.CERAMIC FILTER | FL-23 |
| D26 D27 | 1790000450 1790000450 | S.DIODE S.DIODE | MA862 (TX) | FI | | 2010000270 | D.FILTER | FL-272 (9.0115MHz) |
| D27 | 1790000450 | S.DIODE S.DIODE | MA862 (TX) | FIS | | 2010002130 | FILTER | FL-94 |
| D29 | 1790000450 | S.DIODE | MA862 (TX) | FIE | | 2020001050 | S.CERAMIC | SFPC455E-TC01 |
| D30 | 1790000450 | S.DIODE | MA862 (TX) | | | | | 1 |
| D31 | 1790000450 | S.DIODE | MA862 (TX) | | | | | |
| D36 | 1790001250 | S.DIODE | MA2S111- (TX) | X1 | | 6070000150 | | CDBC455CX24-TC |
| D37 | 1160000140 | S.DIODE | DAP222 TL | X2 | 2 | 6050009870 | S.XTAL | CR-567 (9.8304 MHz) |
| D38 | 1790000450 | S.DIODE | MA862 (TX) | | | | | |
| D39 | 1790000490 | S.DIODE S.DIODE | HSM88AS-TR | | | 6200003240 | S.COIL | NL 322522T-221J |
| D42 D43 | 1790001250 1790000490 | S.DIODE S.DIODE | MA2S111- (TX) HSM88AS-TR | L2 | | 6200003240 | S.COIL | NL 322522T-221J |
| D43 | 1790000490 | S.DIODE | HSM88AS-TR | L3 | | 6200003240 | S.COIL | NL 322522T-221J |
| D46 | 1790000450 | S.DIODE | MA862 (TX) | L4 | | 6200000510 | S.COIL | MLF3216E 5R6M-T |
| D47 | 1790001250 | S.DIODE | MA2S111- (TX) | L5 | 5 | 6200000500 | S.COIL | MLF3216A 4R7M-T |
| D48 | 1790000450 | S.DIODE | MA862 (TX) | L6 | | 6200003240 | S.COIL | NL 322522T-221J |
| D50 | 1750000520 | S.DIODE | DAN222TL | L7 | | 6200003190 | S.COIL | NL 322522T-470J |
| D51 | 1750000370 | S.DIODE | DA221 TL | L8 | | 6200003240 | S.COIL | NL 322522T-221J |
| D52 | 1160000140 | S.DIODE | DAP222 TL | L9 | | 6200001710 | S.COIL | NL 322522T-220J NL 322522T-221J |
| D54 D55 | 1790001250 1790001250 | S.DIODE S.DIODE | MA2S111- (TX) MA2S111- (TX) | L3 L3 | | 6200003240 6200002360 | S.COIL S.COIL | LQN 1A 33NJ04 |
| D61 | 1790001250 | S.DIODE | MA2S111- (TX) | L3 | | 6200002300 | S.COIL | LQN 1A 47NJ04 |
| D62 | 1790001250 | S.DIODE | MA2S111- (TX) | L3 | | 6140002810 | S.COIL | LR-317 |
| D63 | 1790000490 | S.DIODE | HSM88AS-TR | L3 | | 6200003000 | S.COIL | NL 322522T-R22J-3 |
| D64 | 1790000490 | S.DIODE | HSM88AS-TR | L3 | 39 | 6200003030 | S.COIL | NL 322522T-R47J-3 |
| D65 | 1750000520 | S.DIODE | DAN222TL | L4 | | 6140003210 | S.COIL | LR-358 |
| D66 | 1750000520 | S.DIODE | DAN222TL | L4 | | 6200002990 | S.COIL | NL 322522T-2R2J-3 |
| D67 | 1720000590 | S.VARICAP | MA357 (TX) | L4 | | 6200002990 | S.COIL | NL 322522T-2R2J-3 |
| D68 | 1790000490 | S.DIODE | HSM88AS-TR | L4 L4 | | 6200002990 6200002990 | S.COIL S.COIL | NL 322522T-2R2J-3 NL 322522T-2R2J-3 |
| D69 D70 | 1790000490 1730000620 | S.DIODE S.ZENER | HSM88AS-TR RD3.6M-T2B2 | L4 L4 | 1 | 6200001830 | S.COIL S.COIL | NL 322522T-2N2J-3 |
| D70 | 1160000140 | S.DIODE | DAP222 TL | L4 | | 6150004970 | S.COIL | LS-522 |
| D75 | 1790000620 | S.DIODE | MA77 (TW) | L4 | 3 | 6150004970 | S.COIL | LS-522 |
| D76 | 1790000620 | S.DIODE | MA77 (TW) | L5 | | 6140002810 | S.COIL | LR-317 |
| D78 | 1750000520 | S.DIODE | DAN222TL | L5 | | 6140002810 | S.COIL | LR-317 |
| D80 | 1750000520 | S.DIODE | DAN222TL | L5 | | 6200003030 | S.COIL | NL 322522T-R47J-3 |
| D81 | 1750000520 | S.DIODE | DAN222TL | L5 | | 6150004870 | S.COIL | LS-512 |
| D82 | 1750000520 | S.DIODE | DAN222TL | L5 L5 | | 6150004870 6150004900 | S.COIL S.COIL | LS-512 LS-515 |
| D83 D87 | 1750000520 1790000620 | S.DIODE S.DIODE | DAN222TL MA77 (TW) | L5 L5 | | 6200001710 | S.COIL S.COIL | NL 322522T-220J |
| D87 | 1730000030 | S.ZENER | RD5.6M-T2B2 | L5 L5 | | 6200001710 | S.COIL S.COIL | NL 322522T-2203 NL 322522T-101J |
| D90 | 1790001250 | S.DIODE | MA2S111- (TX) | L5 | | 6200003260 | S.COIL | NL 322522T-101J |
| D92 | 1730000840 | S.ZENER | RD9.1M-T2B2 | L6 | | 6200003260 | S.COIL | NL 322522T-101J |
| D93 | 1730000230 | ZENER | RD11E B1 | L6 | 31 | 6150004880 | S.COIL | LS-513 |
| D94 | 1790000450 | S.DIODE | MA862 (TX) | L6 | | 6200003190 | S.COIL | NL 322522T-470J |
| D97 | 1790001250 | S.DIODE | MA2S111- (TX) | L6 | | 6150004890 | S.COIL | LS-514 |
| D99 | 1750000520 | S.DIODE | DAN222TL | L6 | | 6150004880 | S.COIL | LS-513 |
| D100 | 1790001250 | S.DIODE | MA2S111- (TX) | L6 L6 | | 6200003260 6200003260 | S.COIL S.COIL | NL 322522T-101J NL 322522T-101J |
| D102 | 1750000230 1790001250 | S.DIODE S.DIODE | 1SS315 TPH-3 [FRA], [DEN] MA2S111- (TX) [EUR], [USA] | L6 | - 1 | 6200003260 | S.COIL S.COIL | NL 322522T-101J NL 322522T-101J |
| D103 | 1790001250 | S.DIODE S.DIODE | MA2S111- (TX) [EUR], [USA] | L7 | | 6200003280 | S.COIL | NL 322522T-101J |
| D103 | 1790001250 | S.DIODE | MA2S111- (TX) | L7 | 1 | 6200001050 | S.COIL | NL 322522T-101J |
| D109 | 1790000450 | S.DIODE | MA862 (TX) | L7 | | 6200003260 | S.COIL | NL 322522T-101J |
| D110 | 1790000450 | S.DIODE | MA862 (TX) | L7 | 75 | 6200002990 | S.COIL | NL 322522T-2R2J-3 |
| D111 | 1790001250 | S.DIODE | MA2S111- (TX) | L7 | | 6200001830 | S.COIL | NL 322522T-100J |
| L | L | | [FRA], [DEN] only | L7 | 77 | 6200003260 | S.COIL | NL 322522T-101J |

REF ORDER DESCRIPTION NO. NO. 6200002990 S.COIL NL 322522T-2R2J-3 L78 L81 6200001850 S.COIL NL 322522T-5R6J NL 322522T-101J L82 6200003260 S.COIL 6150004910 S.COIL LS-516 L84 6150004910 S.COIL L85 LS-516 S.COIL NL 322522T-220J 6200001710 L87 L88 6200001830 S.COIL NL 322522T-100J NL 322522T-100J 6200001830 S.COIL 189 6200002990 S.COIL NL 322522T-2R2J-3 L90 NL 322522T-100J 6200001830 S.COIL L91 6200002990 S.COIL NL 322522T-2R2J-3 1.92 ELJSC 680K-F 6200002900 S.COIL 193 6200002900 S.COIL ELJSC 680K-F L94 6200003260 S.COIL NL 322522T-101J L95 6200003260 S.COIL NL 322522T-101J 196 ELJNC R18K-F 6200002520 S.COIL 199 S.COIL NL 322522T-R18J-3 6180002960 L100 NL 322522T-R18J-3 L101 6180002960 S.COIL 6200005190 S.COIL MLF1608D R56K-T L104 MLF1608D R56K-T 6200005190 S.COIL L105 6200004940 S.COIL MLF1608D R27K-T L106 MLR1608M 22NJ-T 6200004070 S.COIL 1 107 6200004220 S COIL MLR1608M 27NJ-T L108 MLF1608D R39K-T 6200005180 S.COIL L109 6200004600 S.COIL MLF1608D R15K-T L110 LQN 1A 23NJ04 6200002340 S.COIL 1 111 6200002340 S.COIL LQN 1A 23NJ04 1 112 S.COIL ELJNC 18NK-F 6200001650 L113 6200001710 S.COIL NL 322522T-220J L124 6200001830 S.COIL NL 322522T-100J L125 L126 6200001710 S.COIL NL 322522T-220J 6200003540 S.COIL MLF1608D R22K-T L128 6200004070 S.COIL MLR1608M 22NJ-T L132 6200001830 S.COIL NL 322522T-100J L133 L134 6200004960 S.COIL NL 252018T-R33J 6200005560 S.COIL ELJSC 101K-F L137 6200003240 S.COIL NL 322522T-221J L138 S.COIL 6200003240 NL 322522T-221J L139 L140 6200005560 S.COIL ELJSC 101K-F 6200003240 S.COIL NL 322522T-221J L141 L143 6200003120 S.COIL NL 322522T-8R2J 6200005560 S.COIL ELJSC 101K-F L144 L145 6200004600 S.COIL MLF1608D R15K-T 6200004600 S.COIL MLF1608D R15K-T L146 L147 6200004600 S.COIL MLF1608D R15K-T L149 6200002630 S.COIL NL 252018T-R10J L150 6200002640 S.COIL NL 252018T-R15J S.COIL L151 6200002430 NL 252018T-082J S.COIL NL 252018T-R27J L152 6200002910 L153 6200002040 S.COIL NL 252018T-101J L154 6200002810 S.COIL ELJSC 560K-F MLF1608D R10K-T L155 6200004720 S.COIL R1 7030003320 S.RESISTOR ERJ3GEYJ 101 V (100 Ω) R2 7030006250 SIRESISTOR ERJ12YJ271H (270 Ω) R3 7030003390 S.RESISTOR ERJ3GEYJ 391 V (390 Ω) R4 7030003290 S.RESISTOR ERJ3GEYJ 560 V (56 Ω) R5 7030006260 S.RESISTOR ERJ12YJ471H (470 Ω) R6 7030003440 S.RESISTOR ERJ3GEYJ 102 V (1 kΩ) R7 7030006260 S.RESISTOR ERJ12YJ471H (470 Ω) R8 7030006260 S.RESISTOR ERJ12YJ471H (470 Ω) **R**9 7030003370 S.RESISTOR ERJ3GEYJ 271 V (270 Ω) ERJ3GEYJ 180 V (18 Ω) R10 7030003230 S.RESISTOR R11 7030003370 S.RESISTOR ERJ3GEYJ 271 V (270 Ω) 7030003400 ERJ3GEYJ 471 V (470 Ω) R12 S.RESISTOR R13 7030003440 S.RESISTOR ERJ3GEYJ 102 V (1 kΩ) ERJ12YJ471H (470 Ω) R27 7030006260 S.RESISTOR 7030003400 ERJ3GEYJ 471 V (470 Ω) R34 S.RESISTOR ERJ3GEYJ 101 V (100 Ω) R35 7030003320 S.RESISTOR R36 7030003440 S.RESISTOR ERJ3GEYJ 102 V (1 kΩ) 7030003510 ERJ3GEYJ 392 V (3.9 kΩ) R37 S.RESISTOR **R38** 7030003200 S.RESISTOR ERJ3GEYJ 100 V (10 Ω) ERJ3GEYJ 471 V (470 Ω) 7030003400 R40 S.RESISTOR R41 7030003360 S.RESISTOR ERJ3GEYJ 221 V (220 Ω) R42 7030003320 ERJ3GEYJ 101 V (100 Ω) S.RESISTOR ERJ3GEYJ 471 V (470 Ω) 7030003400 S.RESISTOR R43 ERJ3GEYJ 471 V (470 Ω) R45 7030003400 S.RESISTOR R46 7030003440 S.RESISTOR ERJ3GEYJ 102 V (1 kΩ) R47 7030003440 S.RESISTOR ERJ3GEYJ 102 V (1 kΩ) **R48** 7030003440 S.RESISTOR ERJ3GEYJ 102 V (1 kΩ) R50 7030003370 S.RESISTOR ERJ3GEYJ 271 V (270 Ω)

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| REF NO. | ORDER NO. | 1 | DESCRIPTION | | | | |
| R51 | 7030003230 | S.RESISTOR | ERJ3GEYJ 180 V (18 Ω) | | | | |
| R52 R53 | 7030003370 7030003400 | S.RESISTOR S.RESISTOR | ERJ3GEYJ 271 V (270 Ω) ERJ3GEYJ 471 V (470 Ω) | | | | |
| R54 | 7030003400 | S.RESISTOR | ERJ3GEYJ 101 V (100 Ω) | | | | |
| R55 | 7030003440 | S.RESISTOR | ERJ3GEYJ 102 V (1 kΩ) | | | | |
| R56 | 7030003570 | S.RESISTOR | ERJ3GEYJ 123 V (12 kΩ) | | | | |
| R57 R58 | 7030003480 7030003380 | S.RESISTOR S.RESISTOR | ERJ3GEYJ 222 V (2.2 kΩ) ERJ3GEYJ 331 V (330 Ω) | | | | |
| R59 | 7030003280 | S.RESISTOR | ERJ3GEYJ 470 V (47 Ω) | | | | |
| R60 | 7030003400 | S.RESISTOR | ERJ3GEYJ 471 V (470 Ω) | | | | |
| R61 R64 | 7030003380 7030003280 | S.RESISTOR S.RESISTOR | ERJ3GEYJ 331 V (330 Ω) ERJ3GEYJ 470 V (47 Ω) | | | | |
| R66 | 7030003280 | S.RESISTOR | ERJ3GEYJ 221 V (220 Ω) | | | | |
| R67 | 7030003360 | S.RESISTOR | ERJ3GEYJ 221 V (220 Ω) | | | | |
| R68 | 7030003280 | S.RESISTOR | ERJ3GEYJ 470 V (47 Ω) | | | | |
| R70 R71 | 7030003360 7030003320 | S.RESISTOR S.RESISTOR | ERJ3GEYJ 221 V (220 Ω) ERJ3GEYJ 101 V (100 Ω) | | | | |
| R73 | 7030003560 | S.RESISTOR | ERJ3GEYJ 103 V (10 kΩ) | | | | |
| R74 | 7030003560 | S.RESISTOR | ERJ3GEYJ 103 V (10 kΩ) | | | | |
| R75 R76 | 7030003480 7030003320 | S.RESISTOR S.RESISTOR | ERJ3GEYJ 222 V (2.2 kΩ) ERJ3GEYJ 101 V (100 Ω) | | | | |
| R77 | 7030003320 | S.RESISTOR | ERJ3GEYJ 222 V (2.2 kΩ) | | | | |
| R78 | 7030003480 | S.RESISTOR | ERJ3GEYJ 222 V (2.2 kΩ) | | | | |
| R79 | 7030003480 | S.RESISTOR | ERJ3GEYJ 222 V (2.2 kΩ) | | | | |
| R80 R81 | 7030003320 7030003480 | S.RESISTOR S.RESISTOR | ERJ3GEYJ 101 V (100 Ω) ERJ3GEYJ 222 V (2.2 kΩ) | | | | |
| R82 | 7030003480 | S.RESISTOR | ERJ3GEYJ 222 V (2.2 kΩ) | | | | |
| R83 | 7030003480 | S.RESISTOR | ERJ3GEYJ 222 V (2.2 kΩ) | | | | |
| R85 | 7030003480 | S.RESISTOR | ERJ3GEYJ 222 V (2.2 kΩ) | | | | |
| R86 R87 | 7030003480 7030003480 | S.RESISTOR S.RESISTOR | ERJ3GEYJ 222 V (2.2 kΩ) ERJ3GEYJ 222 V (2.2 kΩ) | | | | |
| R88 | 7030003320 | S.RESISTOR | ERJ3GEYJ 101 V (100 Ω) | | | | |
| R89 | 7030003480 | S.RESISTOR | ERJ3GEYJ 222 V (2.2 kΩ) | | | | |
| R90 R91 | 7030003480 7030003560 | S.RESISTOR S.RESISTOR | ERJ3GEYJ 222 V (2.2 kΩ) ERJ3GEYJ 103 V (10 kΩ) | | | | |
| R92 | 7030003560 | S.RESISTOR | ERJ3GEYJ 103 V (10 kΩ) | | | | |
| R93 | 7030003640 | S.RESISTOR | ERJ3GEYJ 473 V (47 kΩ) | | | | |
| R94 | 7030003560 | S.RESISTOR | ERJ3GEYJ 103 V (10 kΩ) RV-152 | | | | |
| R95 R98 | 7310002760 7310002760 | S.TRIMMER S.TRIMMER | RV-152 RV-152 | | | | |
| R99 | 7030003760 | S.RESISTOR | ERJ3GEYJ 474 V (470 kΩ) | | | | |
| R100 | 7030003520 | S.RESISTOR | ERJ3GEYJ 472 V (4.7 kΩ) | | | | |
| R101 R102 | 7030003840 7030003380 | S.RESISTOR S.RESISTOR | ERJ3GEYJ 225 V (2.2 MΩ) ERJ3GEYJ 331 V (330 Ω) | | | | |
| R103 | 7030003680 | S.RESISTOR | ERJ3GEYJ 104 V (100 kΩ) | | | | |
| R104 | 7030003560 | S.RESISTOR | ERJ3GEYJ 103 V (10 kΩ) | | | | |
| R105 R106 | 7030003800 7030003470 | S.RESISTOR S.RESISTOR | ERJ3GEYJ 105 V (1 ΜΩ) ERJ3GEYJ 182 V (1.8 kΩ) | | | | |
| R107 | 7030003470 | S.RESISTOR | ERJ3GEYJ 471 V (470 Ω) | | | | |
| R108 | 7030003620 | S.RESISTOR | ERJ3GEYJ 333 V (33 kΩ) | | | | |
| R109 | 7310002740 | S.TRIMMER | RV-150 | | | | |
| R110 R111 | 7030003620 7030003640 | S.RESISTOR S.RESISTOR | ERJ3GEYJ 333 V (33 kΩ) ERJ3GEYJ 473 V (47 kΩ) | | | | |
| R112 | 7030003640 | S.RESISTOR | ERJ3GEYJ 473 V (47 kΩ) | | | | |
| R113 | 7030003800 | S.RESISTOR | ERJ3GEYJ 105 V (1 MΩ) | | | | |
| R114 R115 | 7030003400 | S.RESISTOR S.RESISTOR | ERJ3GEYJ 471 V (470 Ω) ERJ3GEYJ 104 V (100 kΩ) | | | | |
| R116 | 7030003680 7030003440 | S.RESISTOR | ERJ3GEYJ 102 V (1 kΩ) | | | | |
| R117 | 7030003340 | S.RESISTOR | ERJ3GEYJ 151 V (150 Ω) | | | | |
| R118 | 7030003560 | S.RESISTOR | ERJ3GEYJ 103 V (10 kΩ) | | | | |
| R119 R120 | 7030003560 7030003560 | S.RESISTOR S.RESISTOR | ERJ3GEYJ 103 V (10 kΩ) ERJ3GEYJ 103 V (10 kΩ) | | | | |
| R121 | 7030003320 | S.RESISTOR | ERJ3GEYJ 101 V (100 Ω) | | | | |
| R122 | 7030003420 | S.RESISTOR | ERJ3GEYJ 681 V (680 Ω) | | | | |
| R123 R124 | 7030003560 7030003200 | S.RESISTOR S.RESISTOR | ERJ3GEYJ 103 V (10 kΩ) ERJ3GEYJ 100 V (10 Ω) | | | | |
| R125 | 7030003200 | S.RESISTOR | ERJ3GEYJ 273 V (27 kΩ) | | | | |
| R126 | 7310002740 | S.TRIMMER | RV-150 | | | | |
| R127 | 7030003680 | S.RESISTOR | ERJ3GEYJ 104 V (100 kΩ) | | | | |
| R128 R129 | 7030003320 7030003320 | S.RESISTOR S.RESISTOR | ERJ3GEYJ 101 V (100 Ω) ERJ3GEYJ 101 V (100 Ω) | | | | |
| R130 | 7030003520 | S.RESISTOR | ERJ3GEYJ 472 V (4.7 kΩ) | | | | |
| R131 | 7030003400 | S.RESISTOR | ERJ3GEYJ 471 V (470 Ω) | | | | |
| R132 R133 | 7030003400 7030003720 | S.RESISTOR S.RESISTOR | ERJ3GEYJ 471 V (470 Ω) ERJ3GEYJ 224 V (220 kΩ) | | | | |
| R135 | 7030003720 | S.RESISTOR | ERJ3GEYJ 224 V (220 KΩ) ERJ3GEYJ 221 V (220 Ω) | | | | |
| R136 | 7030003520 | S.RESISTOR | ERJ3GEYJ 472 V (4.7 kΩ) | | | | |
| R137 | 7030003320 | S.RESISTOR | ERJ3GEYJ 101 V (100 Ω) | | | | |
| R138 R139 | 7030003630 7030003540 | S.RESISTOR S.RESISTOR | ERJ3GEYJ 393 V (39 kΩ) ERJ3GEYJ 682 V (6.8 kΩ) | | | | |
| R140 | 7030003340 | S.RESISTOR | ERJ3GEYJ 331 V (330 Ω) | | | | |
| R141 | 7030003440 | S.RESISTOR | ERJ3GEYJ 102 V (1 kΩ) | | | | |

[MAIN BOARD]

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|--------------|--------------------------|--------------------------|--|--------------|--------------------------|--------------------------|--|
| REF NO. | ORDER NO. | DES | CRIPTION | REF NO. | ORDER NO. | С | DESCRIPTION |
| R142 | 7030003200 | S.RESISTOR | ERJ3GEYJ 100 V (10 Ω) | R269 | 7030003670 | S.RESISTOR | ERJ3GEYJ 823 V (82 kΩ) |
| R143 | 7030003640 | S.RESISTOR | ERJ3GEYJ 473 V (47 kΩ) | R270 | 7030003450 | S.RESISTOR | ERJ3GEYJ 122 V (1.2 kΩ) |
| R144 | 7030003500 | S.RESISTOR | ERJ3GEYJ 332 V (3.3 kΩ) | R271 | 7310002740 | S.TRIMMER | RV-150 |
| R151 | 7030003680 | S.RESISTOR | ERJ3GEYJ 104 V (100 kΩ) | R272 | 7030003440 | S.RESISTOR S.RESISTOR | ERJ3GEYJ 102 V (1 kΩ) ERJ3GEYJ 102 V (1 kΩ) |
| R152 | 7030003560 7030003440 | S.RESISTOR S.RESISTOR | ERJ3GEYJ 103 V (10 kΩ) ERJ3GEYJ 102 V (1 kΩ) | R273 R274 | 7310002720 | S.TRIMMER | RV-148 |
| R153 R154 | 7030003440 | S.RESISTOR | ERJ3GEYJ 682 V (6.8 kΩ) | R275 | 7030003520 | S.RESISTOR | ERJ3GEYJ 472 V (4.7 kΩ) |
| R155 | 7030003340 | S.RESISTOR | ERJ3GEYJ 102 V (1 kΩ) | R276 | 7030003200 | S.RESISTOR | ERJ3GEYJ 100 V (10 Ω) |
| R156 | 7030003440 | S.RESISTOR | ERJ3GEYJ 102 V (1 kΩ) | R277 | 7030003480 | S.RESISTOR | ERJ3GEYJ 222 V (2.2 kΩ) |
| R157 | 7510000860 | S.THERMISTOR | NTCCF2012 3FH 222KC-T | R278 | 7030003520 | S.RESISTOR | ERJ3GEYJ 472 V (4.7 kΩ) |
| R158 | 7030003800 | S.RESISTOR | ERJ3GEYJ 105 V (1 MΩ) | R279 | 7030003640 | S.RESISTOR | ERJ3GEYJ 473 V (47 kΩ) |
| R159 | 7030003440 | S.RESISTOR | ERJ3GEYJ 102 V (1 kΩ) | R280 | 7030003640 | S.RESISTOR | ERJ3GEYJ 473 V (47 kΩ) |
| R160 | 7030003520 | S.RESISTOR | ERJ3GEYJ 472 V (4.7 kΩ) | R281 | 7030003640 | S.RESISTOR | ERJ3GEYJ 473 V (47 kΩ) |
| R161 | 7030003620 | S.RESISTOR | ERJ3GEYJ 333 V (33 kΩ) | R282 | 7030003640 | S.RESISTOR | ERJ3GEYJ 473 V (47 kΩ) |
| R162 | 7030003580 | S.RESISTOR | ERJ3GEYJ 153 V (15 kΩ) | R283 R284 | 7030003480 | S.RESISTOR S.RESISTOR | ERJ3GEYJ 222 V (2.2 kΩ) ERJ3GEYJ 102 V (1 kΩ) |
| R163 R164 | 7030003680 7030003660 | S.RESISTOR S.RESISTOR | ERJ3GEYJ 104 V (100 kΩ) ERJ3GEYJ 683 V (68 kΩ) | R285 | 7030003440 | S.RESISTOR | ERJ3GEYJ 272 V (2.7 kΩ) |
| R165 | 7030003000 | S.RESISTOR | ERJ3GEYJ 102 V (1 kΩ) | R287 | 7030003800 | S.RESISTOR | ERJ3GEYJ 105 V (1 MΩ) |
| R175 | 7030003560 | S.RESISTOR | ERJ3GEYJ 103 V (10 kΩ) | R288 | 7030003440 | S.RESISTOR | ERJ3GEYJ 102 V (1 kΩ) |
| R177 | 7030003440 | S.RESISTOR | ERJ3GEYJ 102 V (1 kΩ) | R289 | 7030003440 | S.RESISTOR | ERJ3GEYJ 102 V (1 kΩ) |
| R178 | 7030003560 | S.RESISTOR | ERJ3GEYJ 103 V (10 kΩ) | R290 | 7030003440 | S.RESISTOR | ERJ3GEYJ 102 V (1 kΩ) |
| R179 | 7030003640 | S.RESISTOR | ERJ3GEYJ 473 V (47 kΩ) | R291 | 7030003440 | S.RESISTOR | ERJ3GEYJ 102 V (1 kΩ) |
| R180 | 7030003580 | S.RESISTOR | ERJ3GEYJ 153 V (15 kΩ) | R292 | 7030003640 | S.RESISTOR | ERJ3GEYJ 473 V (47 kΩ) |
| R182 | 7030003440 | S.RESISTOR | ERJ3GEYJ 102 V (1 kΩ) | R293 | 7030003640 | S.RESISTOR | ERJ3GEYJ 473 V (47 kΩ) |
| R183 | 7030003500 | S.RESISTOR | ERJ3GEYJ 332 V (3.3 kΩ) | R294 | 7030003640 | S.RESISTOR S.RESISTOR | ERJ3GEYJ 473 V (47 kΩ) |
| R184 R185 | 7030003200 7030003320 | S.RESISTOR S.RESISTOR | ERJ3GEYJ 100 V (10 Ω) ERJ3GEYJ 101 V (100 Ω) | R295 R298 | 7030003560 7030003640 | S.RESISTOR | ERJ3GEYJ 103 V (10 kΩ) ERJ3GEYJ 473 V (47 kΩ) |
| R186 | 7030003320 | S.RESISTOR | ERJ3GEYJ 101 V (100 Ω) | R300 | 7030003640 | S.RESISTOR | ERJ3GEYJ 473 V (47 kΩ) |
| R187 | 7030003320 | S.RESISTOR | ERJ3GEYJ 101 V (100 Ω) | R301 | 7030003640 | S.RESISTOR | ERJ3GEYJ 473 V (47 kΩ) |
| R188 | 7030003320 | S.RESISTOR | ERJ3GEYJ 101 V (100 Ω) | R302 | 7030003640 | S.RESISTOR | ERJ3GEYJ 473 V (47 kΩ) |
| R191 | 7310002740 | S.TRIMMER | RV-150 | R303 | 7030003640 | S.RESISTOR | ERJ3GEYJ 473 V (47 kΩ) |
| R192 | 7030003680 | S.RESISTOR | ERJ3GEYJ 104 V (100 kΩ) | R304 | 7030003560 | S.RESISTOR | ERJ3GEYJ 103 V (10 kΩ) |
| R193 | 7310002740 | S.TRIMMER | RV-150 | R305 | 7030003680 | S.RESISTOR | ERJ3GEYJ 104 V (100 kΩ) |
| R194 | 7030003720 | S.RESISTOR | ERJ3GEYJ 224 V (220 kΩ) | R306 | 7030003440 | S.RESISTOR | ERJ3GEYJ 102 V (1 kΩ) |
| R195 | 7310002580 | S.TRIMMER | RV-108 | R307 | 7030003760 | S.RESISTOR | ERJ3GEYJ 474 V (470 kΩ) |
| R196 | 7030003480 | S.RESISTOR | ERJ3GEYJ 222 V (2.2 kΩ) | R308 R309 | 7030003720 7030003720 | S.RESISTOR S.RESISTOR | ERJ3GEYJ 224 V (220 kΩ) ERJ3GEYJ 224 V (220 kΩ) |
| R197 R198 | 7030003560 7310002590 | S.RESISTOR S.TRIMMER | ERJ3GEYJ 103 V (10 kΩ) RV-109 | R310 | 7030003720 | S.RESISTOR | ERJ3GEYJ 103 V (10 kΩ) |
| R199 | 7030003480 | S.RESISTOR | ERJ3GEYJ 222 V (2.2 kΩ) | R311 | 7030003680 | S.RESISTOR | ERJ3GEYJ 104 V (100 kΩ) |
| R200 | 7030003320 | S.RESISTOR | ERJ3GEYJ 101 V (100 Ω) | R312 | 7030003680 | S.RESISTOR | ERJ3GEYJ 104 V (100 kΩ) |
| R201 | 7030003700 | S.RESISTOR | ERJ3GEYJ 154 V (150 kΩ) | R313 | 7030003640 | S.RESISTOR | ERJ3GEYJ 473 V (47 kΩ) |
| R202 | 7030003700 | S.RESISTOR | ERJ3GEYJ 154 V (150 kΩ) | R314 | 7030003620 | S.RESISTOR | ERJ3GEYJ 333 V (33 kΩ) |
| R203 | 7030003630 | S.RESISTOR | ERJ3GEYJ 393 V (39 kΩ) | R315 | 7030003540 | S.RESISTOR | ERJ3GEYJ 682 V (6.8 kΩ) |
| R206 | 7030003560 | S.RESISTOR | ERJ3GEYJ 103 V (10 kΩ) | R316 | 7030003590 | S.RESISTOR | ERJ3GEYJ 183 V (18 kΩ) |
| R208 | 7030003740 | S.RESISTOR | ERJ3GEYJ 334 V (330 kΩ) | R321 | 7030003440 | S.RESISTOR | ERJ3GEYJ 102 V (1 kΩ) |
| R209 | 7030003500 | S.RESISTOR | ERJ3GEYJ 332 V (3.3 kΩ) | R322 | 7030003440 | S.RESISTOR S.RESISTOR | ERJ3GEYJ 102 V (1 kΩ) ERJ3GEYJ 473 V (47 kΩ) |
| R212 R213 | 7030003700 7030003460 | S.RESISTOR S.RESISTOR | ERJ3GEYJ 154 V (150 kΩ) ERJ3GEYJ 152 V (1.5 kΩ) | R323 R324 | 7030003640 | S.RESISTOR | ERJ3GEYJ 105 V (1 MΩ) |
| R214 | 7030003400 | S.RESISTOR | ERJ3GEYJ 102 V (1.5 kΩ) | R325 | 7030003680 | S.RESISTOR | ERJ3GEYJ 104 V (100 kΩ) |
| R215 | 7030003520 | S.RESISTOR | ERJ3GEYJ 472 V (4.7 kΩ) | R326 | 7030003680 | S.RESISTOR | ERJ3GEYJ 104 V (100 kΩ) |
| R234 | 7030003520 | S.RESISTOR | ERJ3GEYJ 472 V (4.7 kΩ) | R327 | 7030003680 | S.RESISTOR | ERJ3GEYJ 104 V (100 kΩ) |
| R235 | 7030003530 | S.RESISTOR | ERJ3GEYJ 562 V (5.6 kΩ) | R328 | 7030003680 | S.RESISTOR | ERJ3GEYJ 104 V (100 kΩ) |
| R236 | 7030003610 | S.RESISTOR | ERJ3GEYJ 273 V (27 kΩ) | R337 | 7030003560 | S.RESISTOR | ERJ3GEYJ 103 V (10 kΩ) |
| R237 | 7030003460 | S.RESISTOR | ERJ3GEYJ 152 V (1.5 kΩ) | R338 | 7310002760 | S.TRIMMER | RV-152 |
| R238 | 7030003660 | S.RESISTOR | ERJ3GEYJ 683 V (68 kΩ) | R341 | 7030003440 | S.RESISTOR | ERJ3GEYJ 102 V (1 kΩ) |
| R239 | 7310004260 | TRIMMER | EVN-D2AA03 B54 | R342 | 7030003440 | S.RESISTOR | ERJ3GEYJ 102 V (1 kΩ) |
| R240 | 7030003760 7030003520 | S.RESISTOR | ERJ3GEYJ 474 V (470 kΩ) ERJ3GEYJ 472 V (4.7 kΩ) | R343 R344 | 7030003440 7030003440 | S.RESISTOR S.RESISTOR | ERJ3GEYJ 102 V (1 kΩ) ERJ3GEYJ 102 V (1 kΩ) |
| R241 R242 | 7030003520 | S.RESISTOR S.RESISTOR | ERJ3GEYJ 334 V (330 kΩ) | R345 | 7030003440 | S.RESISTOR | ERJ3GEYJ 102 V (1 kΩ) |
| R243 | 7030003740 | S.RESISTOR | ERJ3GEYJ 393 V (39 kΩ) | R346 | 7030003440 | S.RESISTOR | ERJ3GEYJ 102 V (1 kΩ) |
| R244 | 7310003820 | TRIMMER | EVN-D2AA03 B14 | R347 | 7030003440 | S.RESISTOR | ERJ3GEYJ 102 V (1 kΩ) |
| R245 | 7030003520 | S.RESISTOR | ERJ3GEYJ 472 V (4.7 kΩ) | R348 | 7030003440 | S.RESISTOR | ERJ3GEYJ 102 V (1 kΩ) |
| R246 | 7030003540 | S.RESISTOR | ERJ3GEYJ 682 V (6.8 kΩ) | R349 | 7030003440 | S.RESISTOR | ERJ3GEYJ 102 V (1 kΩ) |
| R247 | 7030003600 | S.RESISTOR | ERJ3GEYJ 223 V (22 kΩ) | R350 | 7030003440 | S.RESISTOR | ERJ3GEYJ 102 V (1 kΩ) |
| R248 | 7310004250 | TRIMMER | EVN-D2AA03 B25 | R351 | 7030003440 | S.RESISTOR | ERJ3GEYJ 102 V (1 kΩ) |
| R249 | 7030003560 | S.RESISTOR | ERJ3GEYJ 103 V (10 kΩ) | R352 | 7030003480 | S.RESISTOR | ERJ3GEYJ 222 V (2.2 kΩ) |
| R250 | 7030003290 | S.RESISTOR | ERJ3GEYJ 560 V (56 Ω) | R355 | 7310003820 | TRIMMER | EVN-D2AA03 B14 |
| R251 R252 | 7030003720 7030003720 | S.RESISTOR S.RESISTOR | ERJ3GEYJ 224 V (220 kΩ) ERJ3GEYJ 224 V (220 kΩ) | R356 R358 | 7030003680 7030003520 | S.RESISTOR S.RESISTOR | ERJ3GEYJ 104 V (100 kΩ) ERJ3GEYJ 472 V (4.7 kΩ) |
| R252 | 7030003720 | S.RESISTOR | ERJ3GEYJ 224 V (220 kΩ) ERJ3GEYJ 153 V (15 kΩ) | R358 | 7030003520 | S.RESISTOR | ERJ3GEYJ 472 V (4.7 kΩ) ERJ3GEYJ 103 V (10 kΩ) |
| R254 | 7030003580 | S.RESISTOR | ERJ3GEYJ 153 V (15 kΩ) | R360 | 7030003550 | S.RESISTOR | ERJ3GEYJ 822 V (8.2 kΩ) |
| R256 | 7030003590 | S.RESISTOR | ERJ3GEYJ 183 V (18 kΩ) | R361 | 7030003360 | S.RESISTOR | ERJ3GEYJ 221 V (220 Ω) |
| R258 | 7030003580 | S.RESISTOR | ERJ3GEYJ 153 V (15 kΩ) | R362 | 7030003440 | S.RESISTOR | ERJ3GEYJ 102 V (1 kΩ) |
| R259 | 7030003640 | S.RESISTOR | ERJ3GEYJ 473 V (47 kΩ) | R363 | 7030003200 | S.RESISTOR | ERJ3GEYJ 100 V (10 Ω) |
| R260 | 7310002720 | S.TRIMMER | RV-148 | R366 | 7030003520 | S.RESISTOR | ERJ3GEYJ 472 V (4.7 kΩ) |
| R261 | 7030003370 | S.RESISTOR | ERJ3GEYJ 271 V (270 Ω) | R367 | 7030003680 | S.RESISTOR | ERJ3GEYJ 104 V (100 kΩ) |
| R262 | 7030003780 | S.RESISTOR | ERJ3GEYJ 684 V (680 kΩ) | R368 | 7030003760 | S.RESISTOR | ERJ3GEYJ 474 V (470 kΩ) |
| R263 | 7030003710 | S.RESISTOR | ERJ3GEYJ 184 V (180 kΩ) | R369 | 7030003680 | S.RESISTOR | ERJ3GEYJ 104 V (100 kΩ) |
| R264 | 7030003700 | S.RESISTOR | ERJ3GEYJ 154 V (150 kΩ) | R370 | 7030003680 | S.RESISTOR S.RESISTOR | ERJ3GEYJ 104 V (100 kΩ) ERJ3GEYJ 101 V (100 Ω) |
| R265 R266 | 7030003700 | S.RESISTOR S.RESISTOR | ERJ3GEYJ 154 V (150 kΩ) ERJ3GEYJ 154 V (150 kΩ) | R371 R372 | 7030003320 7030003340 | S.RESISTOR | ERJ3GEYJ 151 V (150 Ω) |
| R268 | 7030003700 | S.RESISTOR | ERJ3GEYJ 823 V (82 kΩ) | R373 | 7030003340 | S.RESISTOR | ERJ3GEYJ 101 V (100 Ω) |
| 1,200 | , 0000000070 | J.ILUIGION | E.100GE10 020 V (02 K12) | 113/3 | , 000000020 | 1 3.112010101 | 21.00GE10 101 V (100 12) |

| REF NO. ORDER NO. DESCRIPTION R374 7030003680 S.RESISTOR ERJ3GEYJ 104 V (10 PM) R375 7030003440 S.RESISTOR ERJ3GEYJ 102 V (11 PM) R376 7030003440 S.RESISTOR ERJ3GEYJ 102 V (11 PM) R377 7030003480 S.RESISTOR ERJ3GEYJ 222 V (2.2 PM) R378 7030003280 S.RESISTOR ERJ3GEYJ 470 V (47 PM) R383 7030003320 S.RESISTOR ERJ3GEYJ 101 V (10 PM) R384 7030003560 S.RESISTOR ERJ3GEYJ 103 V (10 PM) R386 7030003560 S.RESISTOR ERJ3GEYJ 103 V (10 PM) R389 7030003560 S.RESISTOR ERJ3GEYJ 103 V (10 PM) | kΩ) kΩ) 2 kΩ) 7 Ω) 00 Ω) 5 kΩ) 0 kΩ) 0 kΩ) 0 kΩ) 2 kΩ) 2 kΩ) |
|--|--|
| R375 7030003440 S.RESISTOR ERJ3GEYJ 102 V (1) R376 7030003440 S.RESISTOR ERJ3GEYJ 102 V (1) R377 7030003480 S.RESISTOR ERJ3GEYJ 222 V (2 R378 7030003280 S.RESISTOR ERJ3GEYJ 470 V (47 R387 7030003320 S.RESISTOR ERJ3GEYJ 101 V (10 R383 7030003580 S.RESISTOR ERJ3GEYJ 153 V (16 R384 7030003560 S.RESISTOR ERJ3GEYJ 103 V (10 R386 7030003560 S.RESISTOR ERJ3GEYJ 103 V (10 R389 7030003560 S.RESISTOR ERJ3GEYJ 103 V (10 | kΩ) kΩ) 2 kΩ) 7 Ω) 00 Ω) 5 kΩ) 0 kΩ) 0 kΩ) 0 kΩ) 2 kΩ) 2 kΩ) |
| R376 7030003440 S.RESISTOR ERJ3GEYJ 102 V (1) R377 7030003480 S.RESISTOR ERJ3GEYJ 222 V (2.) R378 7030003280 S.RESISTOR ERJ3GEYJ 470 V (47 R379 7030003320 S.RESISTOR ERJ3GEYJ 101 V (10 R383 7030003580 S.RESISTOR ERJ3GEYJ 153 V (15 R384 7030003560 S.RESISTOR ERJ3GEYJ 103 V (10 R386 7030003560 S.RESISTOR ERJ3GEYJ 103 V (10 R389 7030003560 S.RESISTOR ERJ3GEYJ 103 V (10 | kΩ) 2 kΩ) 7 Ω) 5 kΩ) 5 kΩ) 0 kΩ) 0 kΩ) 0 kΩ) 2 kΩ) 2 kΩ) |
| R377 7030003480 S.RESISTOR ERJ3GEYJ 222 V (2 R378 7030003280 S.RESISTOR ERJ3GEYJ 470 V (47 R379 7030003320 S.RESISTOR ERJ3GEYJ 101 V (10 R383 7030003580 S.RESISTOR ERJ3GEYJ 153 V (15 R384 7030003560 S.RESISTOR ERJ3GEYJ 103 V (10 R386 7030003560 S.RESISTOR ERJ3GEYJ 103 V (10 R389 7030003560 S.RESISTOR ERJ3GEYJ 103 V (10 | 2 kΩ) 7 Ω) 50 Ω) 5 kΩ) 0 kΩ) 0 kΩ) 0 kΩ) 2 kΩ) 2 kΩ) |
| R378 7030003280 S.RESISTOR ERJ3GEYJ 470 V (47 R379 7030003320 S.RESISTOR ERJ3GEYJ 101 V (10 R383 7030003580 S.RESISTOR ERJ3GEYJ 153 V (15 R384 7030003560 S.RESISTOR ERJ3GEYJ 103 V (10 R386 7030003560 S.RESISTOR ERJ3GEYJ 103 V (10 R389 7030003560 S.RESISTOR ERJ3GEYJ 103 V (10 | 7 Ω) 50 Ω) 5 kΩ) 5 kΩ) 6 kΩ) 6 kΩ) 7 kΩ) 2 kΩ) 80 Ω) |
| R383 7030003580 S.RESISTOR ERJ3GEYJ 153 V (15 PM) R384 7030003560 S.RESISTOR ERJ3GEYJ 103 V (10 PM) R386 7030003560 S.RESISTOR ERJ3GEYJ 103 V (10 PM) R389 7030003560 S.RESISTOR ERJ3GEYJ 103 V (10 PM) | 5 kΩ) 0 kΩ) 0 kΩ) 0 kΩ) 2 kΩ) 2 kΩ) |
| R384 7030003560 S.RESISTOR ERJ3GEYJ 103 V (10 R386 7030003560 S.RESISTOR ERJ3GEYJ 103 V (10 R389 7030003560 S.RESISTOR ERJ3GEYJ 103 V (10 | 2 kΩ) 2 kΩ) 3 kΩ) 2 kΩ) 2 kΩ) 30 Ω) |
| R386 7030003560 S.RESISTOR ERJ3GEYJ 103 V (10 R389 7030003560 S.RESISTOR ERJ3GEYJ 103 V (10 |) kΩ)) kΩ) 2 kΩ) 30 Ω) |
| R389 7030003560 S.RESISTOR ERJ3GEYJ 103 V (10 | 2 kΩ) 30 Ω) |
| | 30 Ω) |
| R390 7030003600 S.RESISTOR ERJ3GEYJ 223 V (22 R391 7030003420 S.RESISTOR ERJ3GEYJ 681 V (68 | , , |
| R391 7030003420 S.RESISTOR | 30 (2) |
| R393 7030003440 S.RESISTOR ERJ3GEYJ 102 V (1 | |
| R395 | |
| R397 7030003590 S.RESISTOR ERJ3GEYJ 183 V (18 | |
| R398 7030003400 S.RESISTOR ERJ3GEYJ 471 V (47 | |
| R399 7030003280 S.RESISTOR | 7 Ω) |
| R401 7310002720 S.TRIMMER | 7 Ω) |
| R403 7030003640 S.RESISTOR ERJ3GEYJ 473 V (47 | |
| R404 7030003360 S.RESISTOR ERJ3GEYJ 221 V (22 R405 7030003400 S.RESISTOR ERJ3GEYJ 471 V (47 | |
| R405 7030003400 S.RESISTOR ERJ3GEYJ 471 V (47 R407 7030003520 S.RESISTOR ERJ3GEYJ 472 V (4. | |
| R409 7030003720 S.RESISTOR ERJ3GEYJ 224 V (22 | 20 kΩ) |
| R415 | |
| R416 7030003560 S.RESISTOR ERJ3GEYJ 103 V (10 R418 7030003360 S.RESISTOR ERJ3GEYJ 221 V (22 | . , |
| R419 7030003360 S.RESISTOR ERJ3GEYJ 221 V (22 | 20 Ω) |
| R420 7030003360 S.RESISTOR ERJ3GEYJ 221 V (22 | |
| R421 | |
| R423 7030003560 S.RESISTOR ERJ3GEYJ 103 V (10 | 0 kΩ) |
| R425 7030003440 S.RESISTOR ERJ3GEYJ 102 V (1 | |
| R426 7030003440 S.RESISTOR ERJ3GEYJ 102 V (1 R428 7030003730 S.RESISTOR ERJ3GEYJ 274 V (27 | |
| R429 7030003650 S.RESISTOR ERJ3GEYJ 563 V (56 | |
| R430 7030003640 S.RESISTOR ERJ3GEYJ 473 V (47 | |
| R431 | • |
| R433 7030003570 S.RESISTOR ERJ3GEYJ 123 V (12 | 2 kΩ) |
| R434 7030003480 S.RESISTOR ERJ3GEYJ 222 V (2. R435 7030003380 S.RESISTOR ERJ3GEYJ 331 V (33 | |
| R435 | , |
| R437 7030003760 S.RESISTOR ERJ3GEYJ 474 V (47 | 70 kΩ) |
| R438 | |
| R439 7030003760 S.RESISTOR ERJ3GEYJ 474 V (47 | |
| R441 7030003760 S.RESISTOR ERJ3GEYJ 474 V (47 | 70 kΩ) |
| R442 | |
| R444 7030003760 S.RESISTOR ERJ3GEYJ 474 V (47 | |
| R445 7030003760 S.RESISTOR ERJ3GEYJ 474 V (47 | |
| R446 7030003620 S.RESISTOR | |
| R451 7030003360 S.RESISTOR ERJ3GEYJ 221 V (22 | |
| R452 7030003410 S.RESISTOR ERJ3GEYJ 561 V (56 | |
| R455 | |
| R457 7030003400 S.RESISTOR ERJ3GEYJ 471 V (43 | • |
| R458 7030003360 S.RESISTOR ERJ3GEYJ 221 V (22 | |
| R459 | |
| R461 7030003740 S.RESISTOR ERJ3GEYJ 334 V (33 | |
| R462 7030003750 S.RESISTOR ERJ3GEYJ 394 V (39 | 90 kΩ) |
| R466 7030003220 S.RESISTOR ERJ3GEYJ 150 V (19 R467 7030003370 S.RESISTOR ERJ3GEYJ 271 V (20 R467 R467 R467 R467 R467 R467 R467 R467 | |
| R468 7030003230 S.RESISTOR ERJ3GEYJ 180 V (18 | |
| R469 7030003370 S.RESISTOR ERJ3GEYJ 271 V (2) | |
| R470 | |
| R471 7030003830 S.RESISTOR ENJ3GEYJ 472 V (4. | |
| R474 7030003660 S.RESISTOR ERJ3GEYJ 683 V (68 | 8 kΩ) |
| R475 | |
| R476 7030003040 S.RESISTOR ERJ3GEYJ 222 V (2. | |
| R478 7030003320 S.RESISTOR ERJ3GEYJ 101 V (10 | |
| R479 7030003610 S.RESISTOR ERJ3GEYJ 273 V (2: R480 7030003610 S.RESISTOR ERJ3GEYJ 273 V (2: R5) | |
| R481 7030003640 S.RESISTOR ERJ3GEYJ 473 V (4) | 7 kΩ) |
| R482 7030000140 S.RESISTOR MCR10EZHJ 10 Ω (1 | 100) |

| MAIN] | BOARD] | | | | | |
|--------------|--------------------------|--------------------------|---|--|--|--|
| REF NO. | ORDER NO. | DI | ESCRIPTION | | | |
| R483 | 7030003370 | S.RESISTOR | ERJ3GEYJ 271 V (270 Ω) | | | |
| R484 | 7030003230 7030003370 | S.RESISTOR S.RESISTOR | ERJ3GEYJ 180 V (18 Ω) ERJ3GEYJ 271 V (270 Ω) | | | |
| R485 R491 | 7030003370 | S.RESISTOR | ERJ3GEYJ 153 V (15 kΩ) | | | |
| R492 | 7030003200 | S.RESISTOR | ERJ3GEYJ 100 V (10 Ω) | | | |
| R493 | 7030003540 | S.RESISTOR | ERJ3GEYJ 682 V (6.8 kΩ) | | | |
| R494 | 7030003360 | S.RESISTOR | ERJ3GEYJ 221 V (220 Ω) | | | |
| R495 R496 | 7030003620 7030003320 | S.RESISTOR S.RESISTOR | ERJ3GEYJ 333 V (33 kΩ) ERJ3GEYJ 101 V (100 Ω) | | | |
| R490 | 7030003320 | S.RESISTOR | ERJ3GEYJ 331 V (330 Ω) | | | |
| R498 | 7030006230 | S.RESISTOR | ERJ12YJ151H (150 Ω) | | | |
| R499 | 7310002740 | S.TRIMMER | RV-150 | | | |
| R500 | 7030003320 | S.RESISTOR | ERJ3GEYJ 101 V (100 Ω) | | | |
| R501 R502 | 7030003530 7030003420 | S.RESISTOR S.RESISTOR | ERJ3GEYJ 562 V (5.6 kΩ) ERJ3GEYJ 681 V (680 Ω) | | | |
| R504 | 7030003560 | S.RESISTOR | ERJ3GEYJ 103 V (10 kΩ) | | | |
| R505 | 7030003640 | S.RESISTOR | ERJ3GEYJ 473 V (47 kΩ) | | | |
| R506 | 7030003680 | S.RESISTOR | ERJ3GEYJ 104 V (100 kΩ) | | | |
| R507 R510 | 7030003440 7030003320 | S.RESISTOR S.RESISTOR | ERJ3GEYJ 102 V (1 kΩ) ERJ3GEYJ 101 V (100 Ω) | | | |
| R510 | 7310002670 | S.TRIMMER | RV-143 | | | |
| R512 | 7030003520 | S.RESISTOR | ERJ3GEYJ 472 V (4.7 kΩ) | | | |
| R514 | 7030003560 | S.RESISTOR | ERJ3GEYJ 103 V (10 kΩ) | | | |
| R515 | 7030003560 7030004710 | S.RESISTOR S.RESISTOR | ERJ3GEYJ 103 V (10 kΩ) ERJ3GEYJ 475 V (4.7 MΩ) | | | |
| R516 R521 | 7030004710 | S.RESISTOR | ERJ3GEYJ 104 V (100 kΩ) | | | |
| R522 | 7030003720 | S.RESISTOR | ERJ3GEYJ 224 V (220 kΩ) | | | |
| R523 | 7030003480 | S.RESISTOR | ERJ3GEYJ 222 V (2.2 kΩ) | | | |
| R524 | 7030003280 | S.RESISTOR | ERJ3GEYJ 470 V (47 Ω) | | | |
| R525 R526 | 7030003280 7030003550 | S.RESISTOR S.RESISTOR | ERJ3GEYJ 470 V (47 Ω) ERJ3GEYJ 822 V (8.2 kΩ) | | | |
| R527 | 7030003360 | S.RESISTOR | ERJ3GEYJ 221 V (220 Ω) | | | |
| R529 | 7030003840 | S.RESISTOR | ERJ3GEYJ 225 V (2.2 ΜΩ) | | | |
| R530 | 7030003420 | S.RESISTOR | ERJ3GEYJ 681 V (680 Ω) | | | |
| R531 R532 | 7030003400 7030003690 | S.RESISTOR S.RESISTOR | ERJ3GEYJ 471 V (470 Ω) ERJ3GEYJ 124 V (120 kΩ) | | | |
| R533 | 7030005050 | S.RESISTOR | RR0816P-561-D (560 Ω) | | | |
| R534 | 7030007660 | S.RESISTOR | RR0816P-331-D (330 Ω) | | | |
| R535 | 7030003220 | S.RESISTOR | ERJ3GEYJ 150 V (15 Ω) | | | |
| R536 | 7030003400 | S.RESISTOR S.RESISTOR | ERJ3GEYJ 471 V (470 Ω) ERJ3GEYJ 222 V (2.2 kΩ) | | | |
| R537 R538 | 7030003480 7030003320 | S.RESISTOR | ERJ3GEYJ 101 V (100 Ω) | | | |
| R539 | 7030003480 | S.RESISTOR | ERJ3GEYJ 222 V (2.2 kΩ) | | | |
| R540 | 7030003480 | S.RESISTOR | ERJ3GEYJ 222 V (2.2 kΩ) | | | |
| R542 | 7030003640 7030003640 | S.RESISTOR S.RESISTOR | ERJ3GEYJ 473 V (47 kΩ) ERJ3GEYJ 473 V (47 kΩ) | | | |
| R543 R544 | 7030003640 | S.RESISTOR | ERJ3GEYJ 473 V (47 kΩ) | | | |
| R546 | 7030003760 | S.RESISTOR | ERJ3GEYJ 474 V (470 kΩ) | | | |
| R547 | 7030003280 | S.RESISTOR | ERJ3GEYJ 470 V (47 Ω) | | | |
| R548 | 7030003370 | S.RESISTOR | ERJ3GEYJ 271 V (270 Ω) | | | |
| R549 R550 | 7030003230 7030003370 | S.RESISTOR S.RESISTOR | ERJ3GEYJ 180 V (18 Ω) ERJ3GEYJ 271 V (270 Ω) | | | |
| R551 | 7030003400 | S.RESISTOR | ERJ3GEYJ 471 V (470 Ω) | | | |
| R552 | 7030003480 | S.RESISTOR | ERJ3GEYJ 222 V (2.2 kΩ) | | | |
| R553 | 7030003340 | S.RESISTOR | ERJ3GEYJ 151 V (150 Ω) | | | |
| R554 R555 | 7030003420 7030003400 | S.RESISTOR S.RESISTOR | ERJ3GEYJ 681 V (680 Ω) ERJ3GEYJ 471 V (470 Ω) | | | |
| R557 | 7030003400 | S.RESISTOR | ERJ3GEYJ 100 V (10 Ω) | | | |
| R558 | 7030003400 | S.RESISTOR | ERJ3GEYJ 471 V (470 Ω) | | | |
| R559 | 7030000310 | S.RESISTOR | MCR10EZHJ 270 Ω (271) | | | |
| R560 | 7030003440 7030003280 | S.RESISTOR S.RESISTOR | ERJ3GEYJ 102 V (1 kΩ) ERJ3GEYJ 470 V (47 Ω) | | | |
| R561 R562 | 7030003280 | S.RESISTOR | ERJ3GEYJ 103 V (10 kΩ) | | | |
| R563 | 7030003560 | S.RESISTOR | ERJ3GEYJ 103 V (10 kΩ) | | | |
| R564 | 7030003560 | S.RESISTOR | ERJ3GEYJ 103 V (10 kΩ) | | | |
| R565 | 7030003560 | S.RESISTOR S.RESISTOR | ERJ3GEYJ 103 V (10 kΩ) ERJ3GEYJ 103 V (10 kΩ) | | | |
| R566 R567 | 7030003560 | S.RESISTOR | ERJ3GEYJ 103 V (10 kΩ) | | | |
| R568 | 7030003560 | S.RESISTOR | ERJ3GEYJ 103 V (10 kΩ) | | | |
| R569 | 7030003400 | S.RESISTOR | ERJ3GEYJ 471 V (470 Ω) | | | |
| R570 | 7030003400 | S.RESISTOR | ERJ3GEYJ 471 V (470 Ω) | | | |
| R571 R572 | 7030003360 7030003480 | S.RESISTOR S.RESISTOR | ERJ3GEYJ 221 V (220 Ω) ERJ3GEYJ 222 V (2.2 kΩ) | | | |
| R576 | 7030003480 | S.RESISTOR | ERJ3GEYJ 470 V (47 Ω) | | | |
| R577 | 7030003680 | S.RESISTOR | ERJ3GEYJ 104 V (100 kΩ) | | | |
| R578 | 7030003380 | S.RESISTOR | ERJ3GEYJ 331 V (330 Ω) | | | |
| R579 | 7030003560 7030003680 | S.RESISTOR S.RESISTOR | ERJ3GEYJ 103 V (10 kΩ) ERJ3GEYJ 104 V (100 kΩ) | | | |
| R580 R581 | 7030003680 | S.RESISTOR | ERJ3GEYJ 104 V (100 kΩ) | | | |
| R582 | 7030003560 | S.RESISTOR | ERJ3GEYJ 103 V (10 kΩ) | | | |
| R583 | 7030003560 | S.RESISTOR | ERJ3GEYJ 103 V (10 kΩ) | | | |
| R584 | 7030003560 | S.RESISTOR | ERJ3GEYJ 103 V (10 kΩ) | | | |

[MAIN BOARD]

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|--------------|--------------------------|------------------------|--|---|--------------|--------------------------|-----------------------------|--|
| REF NO. | ORDER NO. | DES | SCRIPTION | | REF NO. | ORDER NO. | DES | CRIPTION |
| R585 | 7030003560 | S.RESISTOR | ERJ3GEYJ 103 V (10 kΩ) | 1 | C128 | 4030006880 | S.CERAMIC | C1608 JB 1H 472K-T-A |
| R586 | 7030003440 | S.RESISTOR | ERJ3GEYJ 102 V (1 kΩ) | | C129 | 4030006880 | S.CERAMIC | C1608 JB 1H 472K-T-A |
| R587 | 7030003320 | S.RESISTOR | ERJ3GEYJ 101 V (100 Ω) | | C130 | 4030011600 | S.CERAMIC | C1608 JB 1C 104KT-N |
| R588 | 7030003300 | S.RESISTOR | ERJ3GEYJ 680 V (68 Ω) | | C131 | 4030006880 | S.CERAMIC | C1608 JB 1H 472K-T-A |
| R589 | 7030003560 | S.RESISTOR | ERJ3GEYJ 103 V (10 kΩ) | | C132 | 4030011600 | S.CERAMIC | C1608 JB 1C 104KT-N |
| R590 | 7030003640 | S.RESISTOR | ERJ3GEYJ 473 V (47 kΩ) | | C133 | 4030007140 | S.CERAMIC | C1608 CH 1H 121J-T-A |
| R591 | 7030003440 | S.RESISTOR | ERJ3GEYJ 102 V (1 kΩ) | | C134 | 4030006850 | S.CERAMIC | C1608 JB 1H 471K-T-A |
| R592 | 7030003440 | S.RESISTOR | ERJ3GEYJ 102 V (1 kΩ) | | C135 | 4510004640 | S.ELECTROLYTIC | |
| | | | | | C136 | 4510004630 | S.ELECTROLYTIC | |
| C4 | 4000011600 | COEDAMIC | C1608 JB 1C 104KT-N | | C137 | 4550000450 | S.TANTALUM S.CERAMIC | TESVC 1C 106M-12L |
| C1 C2 | 4030011600 4030011600 | S.CERAMIC S.CERAMIC | C1608 JB 1C 104KT-N | | C138 C141 | 4030011600 4510004630 | S.ELECTROLYTIC | C1608 JB 1C 104KT-N |
| C3 | 4030008470 | S.CERAMIC | C1608 JB 1H 272K-T-A | | C142 | 4030009110 | S.CERAMIC | C3216 JB 1C 474K-T-A |
| C4 | 4030006880 | S.CERAMIC | C1608 JB 1H 472K-T-A | | C143 | 4030007130 | S.CERAMIC | C1608 CH 1H 101J-T-A |
| C5 | 4030010020 | S.CERAMIC | C1608 JB 1H 122K-T-A | | C144 | 4030008880 | S.CERAMIC | C1608 JB 1C 223K-T-A |
| C6 | 4030008850 | S.CERAMIC | C1608 JB 1C 123K-T-A | | C145 | 4030006880 | S.CERAMIC | C1608 JB 1H 472K-T-A |
| C7 | 4030006870 | S.CERAMIC | C1608 JB 1H 222K-T-A | | C146 | 4030006870 | S.CERAMIC | C1608 JB 1H 222K-T-A |
| C8 | 4030011600 | S.CERAMIC | C1608 JB 1C 104KT-N | | C147 | 4030006880 | S.CERAMIC | C1608 JB 1H 472K-T-A |
| C9 | 4030011600 | S.CERAMIC | C1608 JB 1C 104KT-N | | C148 | 4030007150 | S.CERAMIC | C1608 CH 1H 151J-T-A |
| C10 | 4030011600 | S.CERAMIC | C1608 JB 1C 104KT-N | | C158 | 4030006880 | S.CERAMIC | C1608 JB 1H 472K-T-A |
| C11 | 4030011600 | S.CERAMIC | C1608 JB 1C 104KT-N | | C159 | 4030011600 | S.CERAMIC | C1608 JB 1C 104KT-N |
| C57 | 4030007070 | S.CERAMIC S.CERAMIC | C1608 CH 1H 330J-T-A | | C160 | 4030006860 | S.CERAMIC | C1608 JB 1H 102K-T-A |
| C58 C59 | 4030007040 4030007050 | S.CERAMIC S.CERAMIC | C1608 CH 1H 180J-T-A C1608 CH 1H 220J-T-A | | C161 C162 | 4030011600 4030011600 | S.CERAMIC S.CERAMIC | C1608 JB 1C 104KT-N C1608 JB 1C 104KT-N |
| C60 | 4030007030 | S.CERAMIC | C1608 JB 1C 104KT-N | | C163 | 4030011600 | S.CERAMIC | C1608 JB 1C 104KT-N |
| C61 | 4030007090 | S.CERAMIC | C1608 CH 1H 470J-T-A | | C164 | 4030006880 | S.CERAMIC | C1608 JB 1H 472K-T-A |
| C62 | 4030007130 | S.CERAMIC | C1608 CH 1H 101J-T-A | | C165 | 4510004630 | S.ELECTROLYTIC | |
| C63 | 4030006880 | S.CERAMIC | C1608 JB 1H 472K-T-A | | C166 | 4030006880 | S.CERAMIC | C1608 JB 1H 472K-T-A |
| C64 | 4030006880 | S.CERAMIC | C1608 JB 1H 472K-T-A | | C167 | 4030006880 | S.CERAMIC | C1608 JB 1H 472K-T-A |
| C67 | 4030011600 | S.CERAMIC | C1608 JB 1C 104KT-N | | C168 | 4030006880 | S.CERAMIC | C1608 JB 1H 472K-T-A |
| C68 | 4030006880 | S.CERAMIC | C1608 JB 1H 472K-T-A | | C169 | 4030010210 | S.CERAMIC | C3216 JB 1C 105M-T-A |
| C69 | 4030006880 | S.CERAMIC | C1608 JB 1H 472K-T-A | | C170 | 4030006880 | S.CERAMIC | C1608 JB 1H 472K-T-A |
| C70 C71 | 4030006880 4030006880 | S.CERAMIC S.CERAMIC | C1608 JB 1H 472K-T-A C1608 JB 1H 472K-T-A | | C171 C172 | 4510004630 4030006880 | S.ELECTROLYTIC S.CERAMIC | C1608 JB 1H 472K-T-A |
| C72 | 4030006880 | S.CERAMIC | C1608 JB 1H 472K-T-A | | C173 | 4030011600 | S.CERAMIC | C1608 JB 1C 104KT-N |
| C74 | 4030006880 | S.CERAMIC | C1608 JB 1H 472K-T-A | | C174 | 4030006880 | S.CERAMIC | C1608 JB 1H 472K-T-A |
| C75 | 4030006880 | S.CERAMIC | C1608 JB 1H 472K-T-A | | C175 | 4030011600 | S.CERAMIC | C1608 JB 1C 104KT-N |
| C76 | 4030007000 | S.CERAMIC | C1608 CH 1H 090D-T-A | | C176 | 4030006880 | S.CERAMIC | C1608 JB 1H 472K-T-A |
| C78 | 4030007000 | S.CERAMIC | C1608 CH 1H 090D-T-A | | C177 | 4510004440 | S.ELECTROLYTIC | |
| C81 | 4030006880 | S.CERAMIC | C1608 JB 1H 472K-T-A | | C178 | 4510005870 | S.ELECTROLYTIC | |
| C82 C83 | 4030007150 4030007060 | S.CERAMIC S.CERAMIC | C1608 CH 1H 151J-T-A C1608 CH 1H 270J-T-A | | C179 C180 | 4030011600 4510004630 | S.CERAMIC S.ELECTROLYTIC | C1608 JB 1C 104KT-N |
| C84 | 4030007000 | S.CERAMIC | C1608 CH 1H 2700-1-A | | C181 | 4030006900 | S.CERAMIC | C1608 JB 1E 103K-T-A |
| C85 | 4030006880 | S.CERAMIC | C1608 JB 1H 472K-T-A | | C182 | 4030006900 | S.CERAMIC | C1608 JB 1E 103K-T-A |
| C86 | 4030006880 | S.CERAMIC | C1608 JB 1H 472K-T-A | | C184 | 4030011600 | S.CERAMIC | C1608 JB 1C 104KT-N |
| C87 | 4030006880 | S.CERAMIC | C1608 JB 1H 472K- T -A | | C187 | 4030006900 | S.CERAMIC | C1608 JB 1E 103K-T-A |
| C88 | 4030006880 | S.CERAMIC | C1608 JB 1H 472K-T-A | | C189 | 4030007170 | S.CERAMIC | C1608 CH 1H 221J-T-A |
| C89 | 4030006880 | S.CERAMIC | C1608 JB 1H 472K-T-A | | C190 | 4030007170 4030007130 | S.CERAMIC | C1608 CH 1H 221J-T-A |
| C91 C92 | 4030006880 4030007030 | S.CERAMIC S.CERAMIC | C1608 JB 1H 472K-T-A C1608 CH 1H 150J-T-A | | C191 C192 | 4030007130 | S.CERAMIC S.CERAMIC | C1608 CH 1H 101J-T-A C1608 JB 1H 472K-T-A |
| C93 | 4030007040 | S.CERAMIC | C1608 CH 1H 180J-T-A | | C193 | 4030006880 | S.CERAMIC | C1608 JB 1H 472K-T-A |
| C94 | 4030006930 | S.CERAMIC | C1608 CH 1H 020C-T-A | | C194 | 4030011600 | S.CERAMIC | C1608 JB 1C 104KT-N |
| C95 | 4030006880 | S.CERAMIC | C1608 JB 1H 472K-T-A | | C195 | 4030011600 | S.CERAMIC | C1608 JB 1C 104KT-N |
| C96 | 4030006880 | S.CERAMIC | C1608 JB 1H 472K-T-A | | C208 | 4510005860 | S.ELECTROLYTIC | ECEV1HA2R2SR |
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| C115 | 4030008920 | S.CERAMIC | C1608 JB 1C 473K-T-A | 1 | C225 | 4030011600 | S.CERAMIC | C1608 JB 1C 104KT-N |
| C116 | 4510004630 | | C ECEV1CA100SR | 1 | C226 | 4030011600 | S.CERAMIC | C1608 JB 1C 104KT-N |
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| C118 | 4550000450 | S.TANTALUM | TESVC 1C 106M-12L | | C228 | 4030009110 | S.CERAMIC | C3216 JB 1C 474K-T-A |
| C119 | 4030006880 | S.CERAMIC | C1608 JB 1H 472K-T-A | | C230 | 4030006860 | S.CERAMIC | C1608 JB 1H 102K-T-A |
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| C126 | 4030007040 | S.CERAMIC | C1608 CH 1H 180J-T-A | | C238 | 4030011600 | S.CERAMIC | C1608 JB 1C 104KT-N |
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ORDER RFF DESCRIPTION NO. NO. C2012 JB 1C 224K-T-A 4030009000 S.CERAMIC C240 S.CERAMIC C1608 JB 1C 104KT-N 4030011600 C241 S CERAMIC C1608 JB 1C 104KT-N C244 4030011600 S CERAMIC C1608 JB 1C 104KT-N C245 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C246 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C247 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C248 4030011600 C249 4030011600 S.CERAMIC C1608 JB 1C 104KT-N S CERAMIC C1608 CH 1H 820J-T-A C250 4030007120 C1608 CH 1H 820J-T-A C251 4030007120 S CERAMIC C1608 JB 1C 104KT-N C252 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C255 4030011600 S.CERAMIC C1608 JB 1H 472K-T-A C256 4030006880 S.CERAMIC C257 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A S.CERAMIC C258 4030011600 C1608 JB 1C 104KT-N C1608 JB 1C 104KT-N C259 4030011600 S.CERAMIC 4030011280 S.CERAMIC C1608 CH 1H 271J-T-A C260 C262 4550006080 S.TANTALUM TEMSVB2 1C 106M-8L 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A C263 C264 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A C265 4030007110 S.CERAMIC C1608 CH 1H 680J-T-A 4030007100 S.CERAMIC C1608 CH 1H 560J-T-A C266 S.TRIMMER CTZ3S-30C-W1-P-A C267 4610002070 C268 4030007150 S.CERAMIC C1608 CH 1H 151J-T-A S.CERAMIC C1608 CH 1H 151J-T-A C269 4030007150 4030007150 S.CERAMIC C1608 CH 1H 151J-T-A C270 S.CERAMIC C1608 JB 1H 472K-T-A C271 4030006880 C272 4030007010 S.CERAMIC C1608 CH 1H 100D-T-A S.CERAMIC C1608 JB 1H 472K-T-A C273 4030006880 4030007020 S.CERAMIC C1608 CH 1H 120J-T-A C274 S.CERAMIC C2012 JB 1C 224K-T-A C275 4030009000 C276 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A S.CERAMIC C1608 JB 1H 472K-T-A C277 4030006880 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C278 S.CERAMIC C3216 JB 1C 474K-T-A C279 4030009110 C280 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A 4550006080 S.TANTALUM TEMSVB2 1C 106M-8L C281 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A C282 S.CERAMIC C1608 JB 1C 104KT-N C283 4030011600 C284 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A S.CERAMIC C1608 JB 1C 104KT-N C285 4030011600 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A C287 C288 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A C289 4030011600 S.CERAMIC C1608 JB 1C 104KT-N S.CERAMIC C1608 CH 1H 470J-T-A C290 4030007090 S.CERAMIC C1608 JB 1C 104KT-N C291 4030011600 S.CERAMIC C1608 JB 1H 472K-T-A C292 4030006880 C293 4030007090 S.CERAMIC C1608 CH 1H 470J-T-A S.CERAMIC C1608 JB 1C 104KT-N C294 4030011600 C295 4030007170 S.CERAMIC C1608 CH 1H 221J-T-A C296 S.CERAMIC C1608 JB 1C 104KT-N 4030011600 C297 4030011600 S.CERAMIC C1608 JB 1C 104KT-N S.CERAMIC C1608 JB 1C 104KT-N C298 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C299 4030011600 C300 S.CERAMIC C1608 JB 1C 104KT-N 4030011600 C301 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C304 S.CERAMIC C1608 CH 1H 150J-T-A 4030007030 S.CERAMIC C1608 CH 1H 820J-T-A C305 4030007120 C1608 JB 1H 472K-T-A C307 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A C308 4030006880 S.CERAMIC C1608 CH 1H 240J-T-A C309 4030009650 S.CERAMIC S.CERAMIC C1608 CH 1H 240J-T-A C310 4030009650 C1608 JB 1H 102K-T-A C311 4030006860 S.CERAMIC S.CERAMIC C312 4030011600 C1608 JB 1C 104KT-N S.CERAMIC C1608 JB 1H 102K-T-A C313 4030006860 C314 4030011600 S.CERAMIC C1608 JB 1C 104KT-N S.CERAMIC C1608 JB 1H 472K-T-A C315 4030006880 C316 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A 4030007100 S.CERAMIC C1608 CH 1H 560J-T-A C317 C1608 CH 1H 560J-T-A C318 4030007100 S.CERAMIC C319 4030011600 S.CERAMIC C1608 JB 1C 104KT-N S.CERAMIC C1608 JB 1C 104KT-N C320 4030011600 C321 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C1608 JB 1C 104KT-N C322 4030011600 S.CERAMIC C1608 JB 1H 102K-T-A C328 4030006860 S.CERAMIC C1608 CH 1H 050B-T-A C329 4030009920 S.CERAMIC C330 4030007060 S.CERAMIC C1608 CH 1H 270J-T-A C1608 CH 1H 0R5B-T-A C331 4030009500 S.CERAMIC C1608 CH 1H 0R5B-T-A C332 4030009500 S.CERAMIC C1608 CH 1H 040B-T-A C333 4030009910 S.CERAMIC C334 4030009920 S.CERAMIC C1608 CH 1H 050B-T-A C338 4030011600 S.CERAMIC C1608 JB 1C 104KT-N

[MAIN BOARD]

| _ | BUARUJ | | | | | | |
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| C350 | 4030006880 | S.CERAMIC | C1608 JB 1H 472K-T-A | | | | |
| C351 C352 | 4030006880 4030006880 | S.CERAMIC S.CERAMIC | C1608 JB 1H 472K-T-A C1608 JB 1H 472K-T-A | | | | |
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| C359 | 4030007000 | S.CERAMIC | C1608 CH 1H 180J-T-A | | | | |
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| C361 C362 | 4030007170 4030006880 | S.CERAMIC S.CERAMIC | C1608 CH 1H 221J-T-A C1608 JB 1H 472K-T-A | | | | |
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| C365 | 4030007070 | S.CERAMIC | C1608 CH 1H 330J-T-A | | | | |
| C366 | 4030007170 | S.CERAMIC S.CERAMIC | C1608 CH 1H 221J-T-A C1608 CH 1H 221J-T-A | | | | |
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| C423 | 4550000270 | S.TANTALUM | TESVA 1E 474M1-8L | | | | |
| C427 C428 | 4550003230 4030011600 | S.TANTALUM S.CERAMIC | TEMSVB2 1E 225M-8L C1608 JB 1C 104KT-N | | | | |
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| C4671 4510004430 S.ELECTROLYTIC ECEVICV220WR C4714 40300069850 S.CERAMIC C1608 CH 1H 240J-T-A C476 4030007930 S.CERAMIC C1608 CH 1H 1400D-T-A C477 4030001600 S.CERAMIC C1608 JB 1H 472K-T-A C484 4030011600 S.CERAMIC C1608 JB 1H 472K-T-A C485 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C486 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C487 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C488 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C489 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C491 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C492 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C493 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C494 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C494 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C498 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C499 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C501 4030007000 | REF NO. | ORDER NO. | | DESCRIPTION |
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| C486 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C487 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C489 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C490 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C491 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C492 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C493 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C494 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C495 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C494 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C495 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C499 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C500 4030007050 S.CERAMIC C1608 JB 1C 104KT-N C501 4030007050 S.CERAMIC C1608 JB 1C 104KT-N C506 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C507 40300 | | | | |
| C486 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C488 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C499 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C491 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C491 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C493 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C494 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C494 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C495 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C496 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C499 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C500 4030007090 S.CERAMIC C1608 JB 1C 104KT-N C501 4030007090 S.CERAMIC C1608 JB 1C 104KT-N C502 4030006880 S.CERAMIC C1608 CH 1H 470J-T-A C503 455006250 S.CERAMIC C1608 CH 1H 170J-T-A C512 40300 | C484 | 4030006880 | | |
| C488 | | 1 | | |
| C489 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C489 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C491 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C492 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C493 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C494 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C495 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C494 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C494 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C499 403001600 S.CERAMIC C1608 JB 1C 104KT-N C501 4030007500 S.CERAMIC C1608 JB 1C 104KT-N C501 4030007600 S.CERAMIC C1608 JB 1C 104KT-N C504 4030007600 S.CERAMIC C1608 JB 1C 104KT-N C505 4030007600 S.CERAMIC C1608 JB 1C 104KT-N C506 403001600 S.CERAMIC C1608 JB 1C 104KT-N C507 4030007 | | | l - | |
| C490 | | | ì | |
| C491 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C492 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C494 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C495 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C498 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C499 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C499 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C499 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C500 4030007050 S.CERAMIC C1608 JB 1C 104KT-N C501 4030007050 S.CERAMIC C1608 JB 1C 104KT-N C502 4030001600 S.CERAMIC C1608 JB 1C 104KT-N C504 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C505 4030007800 S.CERAMIC C1608 JB 1C 104KT-N C506 403001750 S.CERAMIC C1608 JB 1C 104KT-N C510 4550006250 S.TANTALUM TEMSVA 1A 106M-8L C511 4503000 | C489 | 4030011600 | | |
| C493 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C494 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C495 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C496 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C497 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C499 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C500 4030007905 S.CERAMIC C1608 JB 1C 104KT-N C501 4030007905 S.CERAMIC C1608 JB 1C 104KT-N C502 4030006880 S.CERAMIC C1608 JB 1C 104KT-N C506 4030007800 S.CERAMIC C1608 JB 1C 104KT-N C507 4030007800 S.CERAMIC C1608 JB 1C 104KT-N C509 4550006250 S.TANTALUM TEMSVA 1A 106M-BL C511 4030007600 S.CERAMIC C1608 JB 1C 104KT-N C512 4030011500 S.CERAMIC C1608 JB 1C 104KT-N C513 4030007600 S.CERAMIC C1608 CH 1H 1750-T-A C514 40300 | | | - | |
| C493 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C494 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C496 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C497 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C498 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C500 4030007050 S.CERAMIC C1608 JB 1C 104KT-N C501 4030007090 S.CERAMIC C1608 CH 1H 220J-T-A C502 4030001600 S.CERAMIC C1608 CH 1H 470J-T-A C504 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C505 403001600 S.CERAMIC C1608 JB 1C 104KT-N C506 403001600 S.CERAMIC C1608 JB 1C 104KT-N C509 4550006250 S.TANTALUM TEMSVA 1A 106M-8L C511 4030011600 S.CERAMIC C1608 CH 1H 185B-T-A C512 4030011600 S.CERAMIC C1608 CH 1H 170J-T-A C513 4030017605 S.CERAMIC C1608 CH 1H 170J-T-A C516 4030 | - | | | - · · · · |
| C495 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C497 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C499 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C499 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C500 4030007050 S.CERAMIC C1608 CH 1H 220J-T-A C501 40300071600 S.CERAMIC C1608 CH 1H 470J-T-A C506 40300071600 S.CERAMIC C1608 B 1H 472K-T-A C507 40300070160 S.CERAMIC C1608 JB 1C 104KT-N C508 4030006880 S.CERAMIC C1608 JB 1C 104KT-N C509 4550006250 S.TANTALUM TEMSVA 1A 106M-8L C510 4550006250 S.TANTALUM TEMSVA 1A 106M-8L C511 4030001600 S.CERAMIC C1608 JB 1C 104KT-N C512 4030001600 S.CERAMIC C1608 CH 1H 1750J-T-A C513 4030007020 S.CERAMIC C1608 CH 1H 270J-T-A C514 4030007020 S.CERAMIC C1608 CH 1H 470J-T-A C516 <td< td=""><td>1</td><td></td><td></td><td></td></td<> | 1 | | | |
| C496 4030011600 S.CERAMIC C1608 JB IC 104KT-N C497 4030011600 S.CERAMIC C1608 JB IC 104KT-N C499 4030011600 S.CERAMIC C1608 JB IC 104KT-N C500 4030007050 S.CERAMIC C1608 CH IH 220J-T-A C501 4030007090 S.CERAMIC C1608 CH IH 470J-T-A C502 4030001600 S.CERAMIC C1608 JB IC 104KT-N C506 4030001600 S.CERAMIC C1608 JB IC 104KT-N C507 4030007010 S.CERAMIC C1608 JB IC 104KT-N C509 4550006250 S.CERAMIC C1608 JB IC 104KT-N C511 4030001600 S.CERAMIC C1608 CH IH 180D-T-A C512 4030011600 S.CERAMIC C1608 CH IH 185B-T-A C514 4030007080 S.CERAMIC C1608 CH IH 170J-T-A C515 4030007090 S.CERAMIC C1608 CH IH 170J-T-A C516 4030001700 S.CERAMIC C1608 CH IH 470J-T-A C518 4030007100 S.CERAMIC C1608 CH IH 470J-T-A C519 <t< td=""><td></td><td></td><td></td><td></td></t<> | | | | |
| C497 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C498 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C500 4030007050 S.CERAMIC C1608 CH 1H 220J-T-A C501 4030007090 S.CERAMIC C1608 CH 1H 470J-T-A C502 4030006880 S.CERAMIC C1608 CH 1H 470J-T-A C506 4030001600 S.CERAMIC C1608 JB 1H 472K-T-A C509 4550006250 S.TANTALUM C1608 JB 1H 472K-T-A C509 4550006250 S.TANTALUM TEMSVA 1A 106M-8L C511 4030009540 S.CERAMIC C1608 JB 1C 104KT-N C512 40300011600 S.CERAMIC C1608 JB 1C 104KT-N C513 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C514 4030007060 S.CERAMIC C1608 CH 1H 270J-T-A C515 40300017600 S.CERAMIC C1608 CH 1H 370J-T-A C516 4030011600 S.CERAMIC C1608 CH 1H 370J-T-A C517 4030001600 S.CERAMIC C1608 CH 1H 770J-T-A C519 | | | _ | |
| C499 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C509 4030007090 S.CERAMIC C1608 CH 1H 220J-T-A C501 4030007090 S.CERAMIC C1608 CH 1H 220J-T-A C502 4030006880 S.CERAMIC C1608 BJ B1 472K-T-A C509 4030006880 S.CERAMIC C1608 JB 1C 104KT-N C509 4030006880 S.CERAMIC C1608 LH 100D-T-A C509 4550006250 S.CERAMIC C1608 JB 1C 104KT-N C510 4550006250 S.TANTALUM TEMSVA 1A 106M-8L C511 4030001600 S.CERAMIC C1608 CH 1H 185B-T-A C513 4030011600 S.CERAMIC C1608 CH 1H 170J-T-A C514 4030007060 S.CERAMIC C1608 CH 1H 270J-T-A C515 4030007070 S.CERAMIC C1608 CH 1H 270J-T-A C516 4030007020 S.CERAMIC C1608 CH 1H 470J-T-A C517 40300011600 S.CERAMIC C1608 CH 1H 470J-T-A C521 40300017600 S.CERAMIC C1608 CH 1H 120J-T-A C522 < | | | | |
| CS00 4030007050 S.CERAMIC C1608 CH 1H 470J-T-A C501 4030007090 S.CERAMIC C1608 JB 1H 472K-T-A C502 403001680 S.CERAMIC C1608 JB 1C 104KT-N C506 4030001600 S.CERAMIC C1608 JB 1H 472K-T-A C509 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A C509 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A C510 4550006250 S.TANTALUM TEMSVA 1A 106M-8L C511 4030001600 S.CERAMIC C1608 CH 1H 175D-T-A C512 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C513 4030007060 S.CERAMIC C1608 CH 1H 270J-T-A C514 4030007060 S.CERAMIC C1608 CH 1H 390J-T-A C515 40300071540 S.CERAMIC C1608 CH 1H 750J-T-A C516 40300071600 S.CERAMIC C1608 CH 1H 720J-T-A C518 40300071600 S.CERAMIC C1608 CH 1H 120J-T-A C521 40300071600 S.CERAMIC C1608 CH 1H 220J-T-A C522 | | | | |
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| C502 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A C506 403000710 S.CERAMIC C1608 JB 1C 104KT-N C507 403000760 S.CERAMIC C1608 CH 1H 100D-T-A C509 4550006250 S.TANTALUM TEMSVA 1A 106M-8L C510 4550006250 S.TANTALUM TEMSVA 1A 106M-8L C511 4030001600 S.CERAMIC C1608 JB 1C 104KT-N C512 4030011600 S.CERAMIC C1608 CH 1H 1750J-T-A C513 4030007060 S.CERAMIC C1608 CH 1H 270J-T-A C514 4030007090 S.CERAMIC C1608 CH 1H 390J-T-A C516 4030007090 S.CERAMIC C1608 CH 1H 270J-T-A C517 4030007090 S.CERAMIC C1608 CH 1H 22J-T-A C521 40300071600 S.CERAMIC C1608 CH 1H 22J-T-A C521 40300071600 S.CERAMIC C1608 JB 1C 104KT-N C522 4030007600 S.CERAMIC C1608 JB 1C 104KT-N C523 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A C524 | | | | |
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| C508 | C506 | 4030011600 | S.CERAMIC | C1608 JB 1C 104KT-N |
| C509 4550006250 S.TANTALUM TEMSVA 1A 106M-8L C510 4550006250 S.TANTALUM TEMSVA 1A 106M-8L C511 40300019540 S.CERAMIC C1608 CH 1H 1R5B-T-A C512 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C513 4030007060 S.CERAMIC C1608 CH 1H 270J-T-A C514 4030007080 S.CERAMIC C1608 CH 1H 390J-T-A C515 4030007190 S.CERAMIC C1608 CH 1H 750J-T-A C517 4030007190 S.CERAMIC C1608 CH 1H 750J-T-A C519 40300011600 S.CERAMIC C1608 CH 1H 70J-T-A C520 40300011600 S.CERAMIC C1608 CH 1H 470J-T-A C521 403000710 S.CERAMIC C1608 CH 1H 330J-T-A C522 4030007100 S.CERAMIC C1608 CH 1H 330J-T-A C523 4030001600 S.CERAMIC C1608 CH 1H 330J-T-A C524 4030006850 S.CERAMIC C1608 CH 1H 330J-T-A C525 4030006860 S.CERAMIC C1608 JB 1H 472K-T-A C526 | | | | |
| C510 4550006250 S.TANTALUM TEMSVA 1A 106M-8L C511 4030001600 S.CERAMIC C1608 CH 1H 1R5B-T-A C513 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C514 4030007060 S.CERAMIC C1608 CH 1H 270J-T-A C515 4030007090 S.CERAMIC C1608 CH 1H 390J-T-A C516 4030007100 S.CERAMIC C1608 CH 1H 390J-T-A C517 4030007020 S.CERAMIC C1608 CH 1H 750J-T-A C518 4030007100 S.CERAMIC C1608 CH 1H 750J-T-A C519 4030011600 S.CERAMIC C1608 CH 1H 750J-T-A C521 4030001600 S.CERAMIC C1608 B 1C 104KT-N C521 4030001600 S.CERAMIC C1608 JB 1C 104KT-N C522 4030001600 S.CERAMIC C1608 JB 1H 471KT-A C524 4030006800 S.CERAMIC C1608 JB 1H 472K-T-A C525 4030006800 S.CERAMIC C1608 JB 1H 472K-T-A C526 4030006800 S.CERAMIC C1608 JB 1H 472K-T-A C529 <t< td=""><td>,</td><td></td><td>ł</td><td></td></t<> | , | | ł | |
| C512 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C513 4030007060 S.CERAMIC C1608 JB 1C 104KT-N C514 4030007080 S.CERAMIC C1608 CH 1H 270J-T-A C515 4030007080 S.CERAMIC C1608 CH 1H 390J-T-A C517 4030007020 S.CERAMIC C1608 CH 1H 470J-T-A C518 4030007020 S.CERAMIC C1608 CH 1H 470J-T-A C520 4030011600 S.CERAMIC C1608 CH 1H 120J-T-A C521 40300011600 S.CERAMIC C1608 CH 1H 120J-T-A C521 4030001600 S.CERAMIC C1608 CH 1H 680J-T-A C521 4030001600 S.CERAMIC C1608 CH 1H 680J-T-A C522 4030001600 S.CERAMIC C1608 CH 1H 680J-T-A C523 4030001600 S.CERAMIC C1608 JB 1H 471K-T-A C524 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A C525 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A C526 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A C527 | | | | |
| C513 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C514 4030007080 S.CERAMIC C1608 CH 1H 270J-T-A C515 4030007080 S.CERAMIC C1608 CH 1H 390J-T-A C516 4030007090 S.CERAMIC C1608 CH 1H 470J-T-A C517 4030007020 S.CERAMIC C1608 CH 1H 470J-T-A C518 4030011600 S.CERAMIC C1608 CH 1H 120J-T-A C520 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C521 4030007110 S.CERAMIC C1608 JB 1C 104KT-N C522 40300071600 S.CERAMIC C1608 JB 1H 470LT-N C522 40300071600 S.CERAMIC C1608 JB 1H 470LT-N C524 4030006880 S.CERAMIC C1608 JB 1H 471K-T-A C525 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A C526 4030007020 S.CERAMIC C1608 JB 1H 472K-T-A C527 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A C528 4030007020 CONNECTOR TMP-JO1X-V6 C529 451 | | 4030009540 | | |
| C514 4030007060 S.CERAMIC C1608 CH 1H 270J-T-A C515 4030001540 S.CERAMIC C1608 CH 1H 390J-T-A C517 4030007090 S.CERAMIC C1608 CH 1H 750J-T-A C518 4030007020 S.CERAMIC C1608 CH 1H 120J-T-A C519 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C520 40300111600 S.CERAMIC C1608 JB 1C 104KT-N C521 4030007110 S.CERAMIC C1608 CH 1H 330J-T-A C523 4030011600 S.CERAMIC C1608 CH 1H 330J-T-A C524 4030006850 S.CERAMIC C1608 JB 1C 104KT-N C525 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A C526 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A C527 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A C528 4030007020 S.CERAMIC C1608 JB 1H 472K-T-A C529 4510007020 CONNECTOR TMP-J01X-V6 J2 6510007020 CONNECTOR TMP-J01X-V6 J3 6510007020 | | 1 | | |
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| C518 4030007020 S.CERAMIC C1608 CH 1H 120J-T-A C519 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C520 4030011600 S.CERAMIC C1608 CH 1H 680J-T-A C521 4030007070 S.CERAMIC C1608 CH 1H 330J-T-A C522 4030006850 S.CERAMIC C1608 JB 1C 104KT-N C524 4030006880 S.CERAMIC C1608 JB 1H 471K-T-A C525 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A C526 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A C527 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A C528 4030007050 S.CERAMIC C1608 JB 1H 472K-T-A C529 4510004630 S.ELECTROLYTIC ECEV1CA100SR J1 6510007020 CONNECTOR TMP-J01X-V6 J2 6510007020 CONNECTOR TMP-J01X-V6 J3 6510007020 CONNECTOR TMP-J01X-V6 J4 6510007020 CONNECTOR TMP-J01X-V6 J6 6510007020 CONNECTOR | 1 | 1 | Į. | |
| C519 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C520 4030007110 S.CERAMIC C1608 JB 1C 104KT-N C521 4030007100 S.CERAMIC C1608 CH 1H 680J-T-A C522 4030007070 S.CERAMIC C1608 JB 1C 104KT-N C523 4030016800 S.CERAMIC C1608 JB 1H 471K-T-A C525 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A C526 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A C527 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A C528 4030007050 S.CERAMIC C1608 JB 1H 472K-T-A C529 4510004630 S.CERAMIC C1608 JB 1H 472K-T-A C529 4510007020 CONNECTOR TMP-JO1X-V6 C529 4510007020 CONNECTOR TMP-JO1X-V6 J2 6510007020 CONNECTOR TMP-JO1X-V6 J3 6510007020 CONNECTOR TMP-JO1X-V6 J6 6510007020 CONNECTOR TMP-JO1X-V6 J6 6510007020 CONNECTOR | | | | |
| C520 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C521 4030007110 S.CERAMIC C1608 CH 1H 680J-T-A C522 4030007070 S.CERAMIC C1608 CH 1H 330J-T-A C523 403001600 S.CERAMIC C1608 JB 1H 471K-T-A C524 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A C526 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A C527 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A C528 4030007050 S.CERAMIC C1608 JB 1H 472K-T-A C529 4510004630 S.CERAMIC C1608 JB 1H 472K-T-A C529 4510004630 S.CERAMIC C1608 JB 1H 472K-T-A S.CERAMIC C1608 JB 1H 472K-T-A S.CERAMIC C529 4510007020 CONNECTOR TMP-J01X-V6 J4 6510007020 CONNECTOR TMP-J01X-V6 J5 6510007020 CONNECTOR TMP-J01X-V6 J6 6510007920 CONNECTOR TMP-J01X-V6 J8 651001930 S.CONNECTOR TMP- | 4 | 1 | | |
| C522 4030007070 S.CERAMIC C1608 CH 1H 330J-T-A C523 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C524 4030006880 S.CERAMIC C1608 JB 1H 471K-T-A C526 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A C527 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A C528 4030007050 S.CERAMIC C1608 JB 1H 472K-T-A C529 451000430 S.CERAMIC C1608 JB 1H 472K-T-A C529 4510007020 S.CERAMIC C1608 JB 1H 472K-T-A C529 451000430 S.CERAMIC C1608 JB 1H 472K-T-A S.CERAMIC C1608 JB 1H 472K-T-A S.CERAMIC C1608 JB 1H 472K-T-A S.CERAMIC C1608 JB 1H 472K-T-A S.CERAMIC C1608 JB 1H 472K-T-A S.CERAMIC C1608 JB 1H 472K-T-A S.CERAMIC C1608 JB 1H 472K-T-A S.CERAMIC C1608 JB 1H 472K-T-A S.CERAMIC C1608 JB 1H 472K-T-A S.CERAMIC C1608 JB 1H 472K-T-A S.CERAMIC C1608 JB 1H 472K-T-A <td< td=""><td>1</td><td>I</td><td>S.CERAMIC</td><td>C1608 JB 1C 104KT-N</td></td<> | 1 | I | S.CERAMIC | C1608 JB 1C 104KT-N |
| C523 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C524 4030006880 S.CERAMIC C1608 JB 1H 471K-T-A C525 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A C526 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A C527 4030006880 S.CERAMIC C1608 CH 1H 220J-T-A C528 4030007050 S.CERAMIC C1608 CH 1H 220J-T-A C529 4510004630 S.CERAMIC C1608 CH 1H 220J-T-A C529 4510004630 S.CERAMIC C1608 CH 1H 220J-T-A S.CERAMIC C1608 CH 1H 220J-T-A S.CERAMIC C1608 CH 1H 220J-T-A S.CERAMIC C1608 CH 1H 220J-T-A S.CERAMIC C1608 CH 1H 220J-T-A S.CERAMIC C1608 CH 1H 220J-T-A S.CERAMIC C1608 CH 1H 220J-T-A S.CERAMIC C1608 CH 1H 220J-T-A S.CERAMIC C1608 CH 1H 220J-T-A J2 6510007020 CONNECTOR TMP-J01X-V6 J3 6510007020 CONNECTOR TMP-J01X-V6 J6 CONNECTOR TMP-J01X-V6 TMP-J01X-V6 <tr< td=""><td></td><td>1</td><td></td><td></td></tr<> | | 1 | | |
| C524 4030006850 S.CERAMIC C1608 JB 1H 471K-T-A C525 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A C526 403006880 S.CERAMIC C1608 JB 1H 472K-T-A C527 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A C528 4030007050 S.CERAMIC C1608 JB 1H 472K-T-A C529 4510004630 S.CERAMIC C1608 JB 1H 472K-T-A S.CERAMIC C1608 JB 1H 472K-T-A C1608 JB 1H 472K-T-A S.CERAMIC C1608 JB 1H 472K-T-A J2 6510007020 CONNECTOR TMP-J01X-V6 CONNECTOR | | 1 | | |
| C526 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A C527 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A C528 4030007050 S.CERAMIC C1608 CH 1H 220J-T-A C529 4510004630 S.ELECTROLYTIC ECEV1CA100SR J1 6510007020 CONNECTOR TMP-J01X-V6 J2 6510007020 CONNECTOR TMP-J01X-V6 J4 6510007020 CONNECTOR TMP-J01X-V6 J5 6510007020 CONNECTOR TMP-J01X-V6 J6 6510007020 CONNECTOR TMP-J01X-V6 J7 6510019970 S.CONNECTOR TMP-J01X-V6 J8 6510018940 S.CONNECTOR 52808-1090 J9 6510018960 S.CONNECTOR B2B-PH-SM3-TB J10 6510020080 S.CONNECTOR 52808-2090 J11 6510018970 S.CONNECTOR 52808-2090 J13 6510019970 S.CONNECTOR 52259-3092 J14 6510019970 S.CONNECTOR 52259-3092 <td< td=""><td></td><td></td><td></td><td></td></td<> | | | | |
| C527 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A C528 4030007050 S.CERAMIC C1608 CH 1H 220J-T-A C529 4510004630 S.CERAMIC C1608 CH 1H 220J-T-A J1 6510007020 CONNECTOR TMP-J01X-V6 J2 6510007020 CONNECTOR TMP-J01X-V6 J3 6510007020 CONNECTOR TMP-J01X-V6 J5 6510007020 CONNECTOR TMP-J01X-V6 J6 6510019970 S.CONNECTOR TMP-J01X-V6 J7 6510018940 S.CONNECTOR 52808-1090 J8 6510018940 S.CONNECTOR B13B-PH-SM3-TB J9 6510018960 S.CONNECTOR B28-PH-SM3-TB J11 6510020090 S.CONNECTOR 52808-2090 J12 6510018970 S.CONNECTOR 52808-0890 J13 6510019970 S.CONNECTOR 52559-3092 J14 6510019970 S.CONNECTOR 52365-0891 J15 6450001560 CONNECTOR PD-72 J20 <td>i .</td> <td></td> <td></td> <td></td> | i . | | | |
| C528 4030007050 4510004630 S.CERAMIC S.ELECTROLYTIC C1608 CH 1H 220J-T-A ECEV1CA100SR J1 6510007020 6510007020 CONNECTOR CONNECTOR CONNECTOR J3 6510007020 TMP-J01X-V6 TMP-J01X-V6 TMP-J01X-V6 TMP-J01X-V6 CONNECTOR TMP-J01X-V6 TMP-J01X-V6 TMP-J01X-V6 TMP-J01X-V6 CONNECTOR J7 6510019970 TMP-J01X-V6 TMP-J01X-V6 TMP-J01X-V6 CONNECTOR TMP-J01X-V6 SCONNECTOR S2808-1090 J8 6510018940 S.CONNECTOR S.CONNECTOR S2808-1090 B13B-PH-SM3-TB SCONNECTOR S2808-2090 J10 6510020090 S.CONNECTOR SCONNECTOR SCONNECTOR SCONNECTOR S2808-2090 SCONNECTOR S2808-0890 J12 6510018970 S.CONNECTOR SCONNECTOR SCONNECTOR SCONNECTOR S2365-0891 B4B-PH-SM3-TB SCONNECTOR S2365-0891 J13 6510019900 S.CONNECTOR SCONNECTOR SCONNECTOR PD-72 SCONNECTOR S2365-0891 J17 6450001560 CONNECTOR CONNECTOR PD-72 PD-72 J18 6450001560 CONNECTOR CONNECTOR PD-72 PD-72 J20 6450001560 CONNECTOR CONNECTOR PD-72 PD-72 J24 6450001560 CONNECTOR CONNECTOR PD-72 PD-72 J24 6510020380 CONNECTOR CONNECTOR SCONNECTOR PD-72 SCONNECTOR PD-72 J25 6510020380 CONNECTOR CONNECTOR SCONNECTOR PD-72 SONNECTOR PD-72 CONNECTOR CONNECTOR PD-72 SONNECTOR PD-72 < | | ł . | | |
| C529 | i . | | | |
| J2 6510007020 6510007020 CONNECTOR CONNECTOR TMP-J01X-V6 TMP-J01X-V6 J4 6510007020 6510007020 CONNECTOR CONNECTOR TMP-J01X-V6 TMP-J01X-V6 J5 6510007020 6510019970 CONNECTOR CONNECTOR TMP-J01X-V6 TMP-J01X-V6 J7 6510018940 6510018940 S.CONNECTOR S.CONNECTOR B13B-PH-SM3-TB B2B-PH-SM3-TB J9 6510020080 6510020090 S.CONNECTOR S.CONNECTOR 52808-2090 5.CONNECTOR J11 6510020090 5.CONNECTOR 52808-2090 5.CONNECTOR J12 6510018970 5.CONNECTOR 52808-0890 5.CONNECTOR J13 6510019070 5.CONNECTOR 52559-3092 5.CONNECTOR J14 6510019190 5.CONNECTOR 52365-0891 5.CONNECTOR J15 6450001560 6450001560 7.0001560 CONNECTOR PD-72 7.2 J18 6450001560 6450001560 CONNECTOR PD-72 7.2 J21 6450001560 6450001560 CONNECTOR PD-72 7.2 J22 6450001560 6450001560 CONNECTOR PD-72 7.2 J22 6450001560 6450001560 CONNECTOR PD-72 7.2 J22 6510020380 6510020380 CONNECTOR | | • | | |
| J2 6510007020 6510007020 CONNECTOR CONNECTOR TMP-J01X-V6 TMP-J01X-V6 J4 6510007020 6510007020 CONNECTOR CONNECTOR TMP-J01X-V6 TMP-J01X-V6 J5 6510007020 6510019970 CONNECTOR CONNECTOR TMP-J01X-V6 TMP-J01X-V6 J7 6510018940 6510018940 S.CONNECTOR S.CONNECTOR B13B-PH-SM3-TB B2B-PH-SM3-TB J9 6510020080 6510020090 S.CONNECTOR S.CONNECTOR 52808-2090 5.CONNECTOR J11 6510020090 5.CONNECTOR 52808-2090 5.CONNECTOR J12 6510018970 5.CONNECTOR 52808-0890 5.CONNECTOR J13 6510019070 5.CONNECTOR 52559-3092 5.CONNECTOR J14 6510019190 5.CONNECTOR 52365-0891 5.CONNECTOR J15 6450001560 6450001560 7.0001560 CONNECTOR PD-72 7.2 J18 6450001560 6450001560 CONNECTOR PD-72 7.2 J21 6450001560 6450001560 CONNECTOR PD-72 7.2 J22 6450001560 6450001560 CONNECTOR PD-72 7.2 J22 6450001560 6450001560 CONNECTOR PD-72 7.2 J22 6510020380 6510020380 CONNECTOR | | | | |
| J3 | | 1 | | |
| J4 | B. | | | |
| J6 6510007020 6510019970 CONNECTOR S.CONNECTOR TMP-J01X-V6 52808-1090 J7 6510018940 S.CONNECTOR 52808-1090 J9 6510018960 S.CONNECTOR B13B-PH-SM3-TB J10 6510020080 S.CONNECTOR 52808-2090 J11 6510020090 S.CONNECTOR 52808-0890 J12 6510018970 S.CONNECTOR 52808-0890 J13 6510019070 S.CONNECTOR 52559-3092 J14 6510019970 S.CONNECTOR 52365-0891 J15 6450001560 CONNECTOR PD-72 J16 6450001560 CONNECTOR PD-72 J17 6450001560 CONNECTOR PD-72 J20 6910010370 CONNECTOR PD-72 J21 6450001560 CONNECTOR PD-72 J22 6450001560 CONNECTOR PD-72 J22 6450001560 CONNECTOR PD-72 J24 6450001560 CONNECTOR PD-72 J24 6450001560 | | 1 | | |
| J7 6510019970 S.CONNECTOR 52808-1090 J8 6510018940 S.CONNECTOR B13B-PH-SM3-TB J9 6510018960 S.CONNECTOR B2B-PH-SM3-TB J10 6510020080 S.CONNECTOR 52808-2090 J11 6510020090 S.CONNECTOR 52808-2090 J12 6510018970 S.CONNECTOR 52808-0890 J13 6510019970 S.CONNECTOR B4B-PH-SM3-TB J13 6510019970 S.CONNECTOR 52559-3092 J14 6510019190 S.CONNECTOR 52365-0891 CONNECTOR PD-72 CONNECTOR PD-72 J16 6450001560 CONNECTOR PD-72 J20 6910010370 CONNECTOR PD-72 J21 6450001560 CONNECTOR PD-72 J22 6450001560 CONNECTOR PD-72 J24 6450001560 CONNECTOR PD-72 J25 6510016430 S.CONNECTOR 53307-1491 J26 6510020380 CONNECTO | 9 | 1 | t e | |
| J8 6510018940 6510018960 S.CONNECTOR S.CONNECTOR B13B-PH-SM3-TB B2B-PH-SM3-TB S2808-2090 J10 6510020090 6510020090 S.CONNECTOR S.CONNECTOR S.CONNECTOR S.CONNECTOR S2808-0890 J12 6510019970 S.CONNECTOR S.CONNECTOR S.CONNECTOR S2559-3092 J14 6510019190 S.CONNECTOR S.CONNECTOR S2365-0891 J15 6450001560 CONNECTOR S18 CONNECTOR CONNECTOR CONNECTOR SCONN | | 1 | | |
| J9 6510018960 6510020080 S.CONNECTOR S.CONNECTOR S.CONNECTOR S.CONNECTOR S2808-2090 B2B-PH-SM3-TB S2808-2090 J11 6510020090 6510018970 S.CONNECTOR S.CONNECTOR S.CONNECTOR S.CONNECTOR S2559-3092 B4B-PH-SM3-TB S2559-3092 J14 6510019970 S.CONNECTOR S.CONNECTOR S2365-0891 S2365-0891 J15 6450001560 G450001560 CONNECTOR CONNECTOR CONNECTOR J20 PD-72 GONNECTOR PD-72 J20 6910010370 G450001560 CONNECTOR CONNECTOR CONNECTOR J22 PD-72 GONNECTOR PD-72 J23 6450001560 G450001560 CONNECTOR CONNECTOR CONNECTOR PD-72 PD-72 CONNECTOR PD-72 J24 6450001560 G450001560 CONNECTOR CONNECTOR SCONNECTOR PD-72 PD-72 J25 6510020380 G510020380 CONNECTOR CONNECTOR SCONNECTOR SCONNECTOR SOJ300-GT JS0330-GT SOJ300-GT J28 6510020380 G510020380 CONNECTOR CONNECTOR SJS0330-GT JS0330-GT J29 6510020380 G510020380 CONNECTOR CONNECTOR SJS0330-GT JS0330-GT | | | | |
| J11 6510020090 S.CONNECTOR 52808-0890 J12 6510018970 S.CONNECTOR B4B-PH-SM3-TB J13 6510019070 S.CONNECTOR 52559-3092 J14 6510019190 S.CONNECTOR 52365-0891 J15 6450001560 CONNECTOR PD-72 J16 6450001560 CONNECTOR PD-72 J17 6450001560 CONNECTOR PD-72 J20 6910010370 CONNECTOR PD-72 J20 6910010370 CONNECTOR PD-72 J22 6450001560 CONNECTOR PD-72 J22 6450001560 CONNECTOR PD-72 J23 6450001560 CONNECTOR PD-72 J24 6450001560 CONNECTOR PD-72 J25 6510016430 S.CONNECTOR 53307-1491 J26 6510020380 CONNECTOR JS0330-GT J28 6510020380 CONNECTOR JS0330-GT J29 6510020380 CONNECTOR JS0330-GT <td></td> <td></td> <td></td> <td></td> | | | | |
| J12 6510018970 S.CONNECTOR B4B-PH-SM3-TB J13 6510019070 S.CONNECTOR 52559-3092 J14 6510019190 S.CONNECTOR 52365-0891 J15 6450001560 CONNECTOR PD-72 J17 6450001560 CONNECTOR PD-72 J18 6450001560 CONNECTOR PD-72 J20 6910010370 CONNECTOR PD-72 J21 6450001560 CONNECTOR PD-72 J22 6450001560 CONNECTOR PD-72 J23 6450001560 CONNECTOR PD-72 J24 6450001560 CONNECTOR PD-72 J24 6450001560 CONNECTOR PD-72 J25 6510016430 S.CONNECTOR 53307-1491 J26 6510020380 CONNECTOR JS0330-GT J28 6510020380 CONNECTOR JS0330-GT J29 6510020380 CONNECTOR JS0330-GT J29 6510020380 CONNECTOR JS0330-GT | | | | |
| J13 6510019070 S.CONNECTOR 52559-3092 J14 6510019190 S.CONNECTOR 52365-0891 J15 6450001560 CONNECTOR PD-72 J17 6450001560 CONNECTOR PD-72 J18 6450001560 CONNECTOR PD-72 J20 6910010370 CONNECTOR PD-72 J21 6450001560 CONNECTOR PD-72 J22 6450001560 CONNECTOR PD-72 J23 6450001560 CONNECTOR PD-72 J24 6450001560 CONNECTOR PD-72 J25 6510016430 S.CONNECTOR PD-72 J26 6510020380 CONNECTOR JS0330-GT J27 6510020380 CONNECTOR JS0330-GT J29 6510020380 CONNECTOR JS0330-GT J29 6510020380 CONNECTOR JS0330-GT | | | | |
| J14 6510019190 S.CONNECTOR 52365-0891 J15 6450001560 CONNECTOR PD-72 J17 6450001560 CONNECTOR PD-72 J18 6450001560 CONNECTOR PD-72 J20 6910010370 CONNECTOR PD-72 J21 6450001560 CONNECTOR PD-72 J22 6450001560 CONNECTOR PD-72 J23 6450001560 CONNECTOR PD-72 J24 6450001560 CONNECTOR PD-72 J25 6510016430 S.CONNECTOR PD-72 J26 6510020380 CONNECTOR PD-72 J27 6510020380 CONNECTOR JS0330-GT J29 6510020380 CONNECTOR JS0330-GT J29 6510020380 CONNECTOR JS0330-GT CONNECTOR JS0330-GT CONNECTOR JS0330-GT | | | | |
| J16 6450001560 J17 CONNECTOR 6450001560 J18 PD-72 CONNECTOR CONNECTOR PD-72 PD-72 PD-72 J20 6910010370 J21 CONNECTOR G450001560 J22 IPS-1340-01 CONNECTOR CONNECTOR PD-72 PD-72 J23 6450001560 G450001560 J24 CONNECTOR G450001560 G510016430 J25 PD-72 G510016430 G510020380 G510020380 CONNECTOR CONNECTOR G510020380 CONNECTOR G510020380 PD-72 G0NNECTOR G | J14 | | i i | 52365-0891 |
| J17 6450001560 6450001560 CONNECTOR CONNECTOR PD-72 PD-72 J20 6910010370 CONNECTOR CONNECTOR IPS-1340-01 J21 6450001560 6450001560 CONNECTOR CONNECTOR PD-72 PD-72 J23 6450001560 6450001560 CONNECTOR CONNECTOR PD-72 PD-72 J24 6450001560 6510020380 CONNECTOR S.CONNECTOR PD-72 PD-72 J26 6510020380 6510020380 CONNECTOR CONNECTOR JS0330-GT JS0330-GT CONNECTOR J28 6510020380 6510020380 CONNECTOR CONNECTOR JS0330-GT JS0330-GT CONNECTOR JS0330-GT CONNECTOR JS0330-GT CONNECTOR JS0330-GT | | | | |
| J18 6450001560 6910010370 CONNECTOR CONNECTOR PD-72 IPS-1340-01 J21 6450001560 J22 CONNECTOR 6450001560 PD-72 CONNECTOR PD-72 PD-72 J23 6450001560 G450001560 CONNECTOR CONNECTOR PD-72 PD-72 J24 6450001560 G510016430 CONNECTOR S.CONNECTOR PD-72 FD-72 J25 6510016430 G510020380 S.CONNECTOR CONNECTOR JS0330-GT JS0330-GT J27 6510020380 G510020380 CONNECTOR CONNECTOR JS0330-GT JS0330-GT J29 6510020380 G510020380 CONNECTOR CONNECTOR JS0330-GT JS0330-GT | | | | |
| J20 6910010370 6450001560 CONNECTOR CONNECTOR IPS-1340-01 J21 6450001560 6450001560 CONNECTOR CONNECTOR PD-72 PD-72 J24 6450001560 6450001560 CONNECTOR CONNECTOR PD-72 PD-72 J25 6510016430 S.CONNECTOR S.CONNECTOR 53307-1491 J26 6510020380 6510020380 CONNECTOR CONNECTOR JS0330-GT JS0330-GT J28 6510020380 6510020380 CONNECTOR CONNECTOR JS0330-GT JS0330-GT J29 6510020380 CONNECTOR CONNECTOR JS0330-GT JS0330-GT | | | i | |
| J22 6450001560 CONNECTOR PD-72 J23 6450001560 CONNECTOR PD-72 J24 6450001560 CONNECTOR PD-72 J25 6510016430 S.CONNECTOR 53307-1491 J26 6510020380 CONNECTOR JS0330-GT J28 6510020380 CONNECTOR JS0330-GT J29 6510020380 CONNECTOR JS0330-GT CONNECTOR JS0330-GT CONNECTOR JS0330-GT | J20 | | 1 | |
| J23 6450001560 CONNECTOR PD-72 J24 6450001560 CONNECTOR PD-72 J25 6510016430 S.CONNECTOR 53307-1491 J26 6510020380 CONNECTOR JS0330-GT J28 6510020380 CONNECTOR JS0330-GT J29 6510020380 CONNECTOR JS0330-GT CONNECTOR JS0330-GT CONNECTOR JS0330-GT | | | | |
| J24 6450001560 6510016430 CONNECTOR S.CONNECTOR PD-72 53307-1491 J26 6510020380 6510020380 CONNECTOR CONNECTOR 6510020380 JS0330-GT CONNECTOR CONNECTOR JS0330-GT CONNECTOR JS0330-GT J29 6510020380 6510020380 CONNECTOR CONNECTOR JS0330-GT JS0330-GT CONNECTOR JS0330-GT | | | | |
| J26 6510020380 CONNECTOR JS0330-GT | | I. | | |
| J27 6510020380 CONNECTOR JS0330-GT CONNECTOR JS0330-GT CONNECTOR JS0330-GT CONNECTOR JS0330-GT | t . | i . | | |
| J28 6510020380 CONNECTOR JS0330-GT CONNECTOR JS0330-GT | | I . | | |
| | | | | |
| W11 7030003860 S.JUMPER ERJ3GE JPW V | J29 | 6510020380 | CONNECTOR | JS0330-GT |
| | W11 | 7030003860 | S.JUMPER | ERJ3GE JPW V |

[MAIN BOARD]

| REF NO. | ORDER NO. | | DESCRIPTION |
|-------------------|--|-----------------------------|---|
| W12 | 7030003860 | S.JUMPER | ERJ3GE JPW V |
| W15 | 7030003860 | S.JUMPER | ERJ3GE JPW V |
| W16 | 7030003860 | S.JUMPER | ERJ3GE JPW V |
| W17 | 7120000380 | JUMPER | JPW 01 R-01 |
| W18 | 7030000010 | S.JUMPER | MCR10EZHJ JPW (000) |
| W19 | 7030008240 | S.JUMPER | ERJ12YJ0R00H |
| W20 | 7030000010 | S.JUMPER | MCR10EZHJ JPW (000) |
| W21 | 7030000010 | S.JUMPER | MCR10EZHJ JPW (000) |
| WS1 | 8970022920 | OTHER | (1)/MA |
| EP1 EP2 EP3 | 0910048487 9021201001 9029802001 9021201001 | PCB TUBE TUBE TUBE | B 4916G 0.7 (d) L=7 (mm) [EUR], [USA] 0.7 (d) L=9 (mm) [FRA], [DEN] 0.7 (d) L=7 (mm) |

[HPF BOARD]

| [HPF BOARD] | | | | | | | |
|-------------|--------------|--------------|------------------------------------|--|--|--|--|
| REF NO. | ORDER NO. | DES | CRIPTION | | | | |
| Q3 | 1590000790 | S.TRANSISTOR | DTC143TU T107 | | | | |
| Q4 | 1560000650 | S.FET | 2SK1577-2-T7 | | | | |
| Q5 | 1540000450 | S.TRANSISTOR | 2SD1623-T-TD | | | | |
| Q6 | 1590000660 | S.TRANSISTOR | DTC144TU T107 | | | | |
| Q7 | 1590000430 | S.TRANSISTOR | DTC144EU T107 | | | | |
| Q8 | 1590001060 | S.TRANSISTOR | DTA114TU T107 | | | | |
| Q9 | 1590001000 | S.TRANSISTOR | DTA114EU T107 | | | | |
| Q.9 | 1390001330 | 3. MANSISTON | DIATIALO FIO | | | | |
| D5 | 1790001260 | S.DIODE | MA2S077- (TX) | | | | |
| D6 | 1790001260 | S.DIODE | MA2S077- (TX) | | | | |
| D7 | 1790001260 | S.DIODE | MA2S077- (TX) | | | | |
| D8 | 1790001260 | S.DIODE | MA2S077- (TX) | | | | |
| D10 | 1790001260 | S.DIODE | MA2S077- (TX) | | | | |
| D12 | 1790001260 | S.DIODE | MA2S077- (TX) | | | | |
| D13 | 1790001260 | S.DIODE | MA2S077- (TX) | | | | |
| D15 | 1790001260 | S.DIODE | MA2S077- (TX) | | | | |
| D16 | 1790001260 | S.DIODE | MA2S077- (TX) | | | | |
| D17 | 1790001260 | S.DIODE | MA2S077- (TX) | | | | |
| D18 | 1790001260 | S.DIODE | MA2S077- (TX) | | | | |
| D19 | 1790001260 | S.DIODE | MA2S077- (TX) | | | | |
| | | | | | | | |
| D20 | 1790001260 | S.DIODE | MA2S077- (TX) | | | | |
| D21 | 1790001260 | S.DIODE | MA2S077- (TX) | | | | |
| D22 | 1790001260 | S.DIODE | MA2S077- (TX) | | | | |
| D23 | 1790001260 | S.DIODE | MA2S077- (TX) | | | | |
| D28 | 1790001260 | S.DIODE | MA2S077- (TX) | | | | |
| D80 | 1790001260 | S.DIODE | MA2S077- (TX) | | | | |
| D81 | 1790001260 | S.DIODE | MA2S077- (TX) | | | | |
| L1 | 6200005560 | S.COIL | ELJSC 101K-F | | | | |
| L2 | 6200004880 | S.COIL | ELJFC 3R3K-F | | | | |
| L3 | 6200004440 | S.COIL | ELJFC 4R7M-F | | | | |
| L4 | 6200001620 | S.COIL | ELJFC 1R0K-F | | | | |
| L5 | l . | S.COIL | ELJFC 1R0K-F | | | | |
| 1 | 6200001620 | 1 | ELJFC 1R0K-F | | | | |
| L6 | 6200001620 | S.COIL | | | | | |
| L7 | 6200002240 | S.COIL | ELJFC 2R2K-F | | | | |
| L8 | 6200002710 | S.COIL | ELJFC 1R8K-F | | | | |
| L9 | 6200002710 | S.COIL | ELJFC 1R8K-F | | | | |
| L10 | 6200005560 | S.COIL | ELJSC 101K-F | | | | |
| L11 | 6200005540 | S.COIL | ELJNC R47K-F | | | | |
| L12 | 6200001960 | S.COIL | ELJFC R56MF | | | | |
| L13 | 6200005560 | S.COIL | ELJSC 101K-F | | | | |
| L14 | 6200002920 | S.COIL | ELJNC R33K-F | | | | |
| L15 | 6200004160 | S.COIL | ELJNC R39K-F | | | | |
| L16 | 6200005550 | S.COIL | ELJFC 100K-F | | | | |
| L17 | 6200005550 | S.COIL | ELJFC 100K-F | | | | |
| L22 | 6200003240 | S.COIL | NL 322522T-221J | | | | |
| L23 | 6200002920 | S.COIL | ELJNC R33K-F | | | | |
| L24 | 6200003350 | S.COIL | ELJNC R27K-F | | | | |
| L25 | 6200002420 | S.COIL | NL 252018T-068J | | | | |
| L26 | 6200002160 | S.COIL | ELJNC 82NK-F | | | | |
| L27 | 6200005560 | S.COIL | ELJSC 101K-F | | | | |
| L28 | 6200005560 | S.COIL | ELJSC 101K-F | | | | |
| L28 | 6200003360 | S.COIL | NL 252018T-R27J | | | | |
| | § | | NL 2520181-R273 NL 252018T-R15J | | | | |
| L30 | 6200002640 | S.COIL | NE 2020 10 1=N 100 | | | | |

[HPF BOARD]

| ſ | REF NO. | ORDER NO. | DESCRIPTION | | | |
|---|------------|--------------------------|--------------------------|---|--|--|
| ł | L34 | 6200005560 | S.COIL | ELJSC 101K-F | | |
| ١ | L35 | 6200005560 | S.COIL | ELJSC 101K-F | | |
| ١ | L36 | 6200002800 | S.COIL | ELJFC R68M-F | | |
| ١ | L37 | 6200005010 | S.COIL | NL 252018T-100J | | |
| ١ | L38 | 6200002840 | S.COIL | NL 252018T-R22J | | |
| 1 | L39 | 6200004960 | S.COIL | NL 252018T-R33J | | |
| 1 | L40 | 6200003280 | S.COIL | NL 252018T-2R2J | | |
| ١ | L41 L42 | 6140002810 6200002180 | S.COIL S.COIL | LR-317 NL 252018T-R12J | | |
| - | L42 L80 | 6200005560 | S.COIL | ELJSC 101K-F | | |
| - | L81 | 6200003640 | S.COIL | MLF1608K 100K-T | | |
| - | L82 | 6200003640 | S.COIL | MLF1608K 100K-T | | |
| ١ | L83 | 6200005560 | S.COIL | ELJSC 101K-F | | |
| | L84 | 6200004510 | S.COIL | MLR1608M 47NJ-T | | |
| | R5 | 7030003320 | S.RESISTOR | ERJ3GEYJ 101 V (100 Ω) | | |
| 1 | R7 | 7030003320 | S.RESISTOR | ERJ3GEYJ 101 V (100 Ω) | | |
| | R18 | 7030003560 | S.RESISTOR | ERJ3GEYJ 103 V (10 kΩ) | | |
| | R19 | 7030003560 | S.RESISTOR | ERJ3GEYJ 103 V (10 kΩ) | | |
| | R20 | 7030003560 | S.RESISTOR | ERJ3GEYJ 103 V (10 kΩ) | | |
| | R26 | 7030003280 | S.RESISTOR | ERJ3GEYJ 470 V (47 Ω) | | |
| | R27 | 7030003340 | S.RESISTOR | ERJ3GEYJ 151 V (150 Ω) | | |
| | R28 R29 | 7030004050 7030003280 | S.RESISTOR S.RESISTOR | ERJ3GEYJ 1R0 V (1 Ω) ERJ3GEYJ 470 V (47 Ω) | | |
| | R30 | 7030003280 | S.RESISTOR | ERJ3GEYJ 102 V (1 kΩ) | | |
| | R32 | 7030003480 | S.RESISTOR | ERJ3GEYJ 222 V (2.2 kΩ) | | |
| | R33 | 7030003680 | S.RESISTOR | ERJ3GEYJ 104 V (100 kΩ) | | |
| ļ | R34 | 7030003680 | S.RESISTOR | ERJ3GEYJ 104 V (100 kΩ) | | |
| | R35 | 7030003680 | S.RESISTOR | ERJ3GEYJ 104 V (100 kΩ) | | |
| | C1 | 4030011600 | S.CERAMIC | C1608 JB 1C 104KT-N | | |
| | C2 | 4030011600 | S.CERAMIC | C1608 JB 1H 272K-T-A | | |
| | C3 | 4030008860 | S.CERAMIC | C1608 JB 1C 153K-T-A | | |
| | C4 | 4030009980 | S.CERAMIC | C1608 JB 1H 152K-T-A | | |
| | C5 | 4030011600 | S.CERAMIC | C1608 JB 1C 104KT-N | | |
| | C6 | 4030011600 | S.CERAMIC | C1608 JB 1C 104KT-N | | |
| | C7 | 4030011330 | S.CERAMIC | C1608 CH 1H 391J-T-A | | |
| | C8 C9 | 4030010030 4030010760 | S.CERAMIC S.CERAMIC | C1608 SL 1H 511J-T-A C1608 CH 1H 331J-T-A | | |
| | C10 | 4030010760 | S.CERAMIC | C1608 JB 1H 102K-T-A | | |
| | C11 | 4030011600 | S.CERAMIC | C1608 JB 1C 104KT-N | | |
| | C12 | 4030009580 | S.CERAMIC | C1608 JB 1H 681K-T-A | | |
| | C13 | 4030009980 | S.CERAMIC | C1608 JB 1H 152K-T-A | | |
| | C14 | 4030009580 | S.CERAMIC | C1608 JB 1H 681K-T-A | | |
| | C15 | 4030008470 | S.CERAMIC | C1608 JB 1H 272K-T-A | | |
| | C16 C17 | 4030011600 4030007160 | S.CERAMIC S.CERAMIC | C1608 JB 1C 104KT-N C1608 CH 1H 181J-T-A | | |
| | C18 | 4030007100 | S.CERAMIC | C1608 JB 1H 102K-T-A | | |
| | C19 | 4030007150 | S.CERAMIC | C1608 CH 1H 151J-T-A | | |
| | C20 | 4030011330 | S.CERAMIC | C1608 CH 1H 391J-T-A | | |
| | C21 | 4030010210 | S.CERAMIC | C3216 JB 1C 105M-T-A | | |
| | C22 | 4030011600 | S.CERAMIC | C1608 JB 1C 104KT-N | | |
| | C23 | 4030007170 | S.CERAMIC | C1608 CH 1H 221J-T-A C1608 JB 1H 122K-T-A | | |
| | C24 C25 | 4030010020 4030007130 | S.CERAMIC S.CERAMIC | C1608 CH 1H 101J-T-A | | |
| | C26 | 4030007130 | S.CERAMIC | C1608 CH 1H 331J-T-A | | |
| | C27 | 4030011600 | S.CERAMIC | C1608 JB 1C 104KT-N | | |
| | C28 | 4030011600 | S.CERAMIC | C1608 JB 1C 104KT-N | | |
| | C38 | 4030007120 | S.CERAMIC | C1608 CH 1H 820J-T-A | | |
| | C39 | 4030007010 | S.CERAMIC | C1608 CH 1H 100D-T-A | | |
| | C40 C41 | 4030007150 4030007040 | S.CERAMIC S.CERAMIC | C1608 CH 1H 151J-T-A C1608 CH 1H 180J-T-A | | |
| | C41 | 4030007040 | S.CERAMIC S.CERAMIC | C1608 CH 1H 820J-T-A | | |
| | C43 | 4030007120 | S.CERAMIC | C1608 CH 1H 390J-T-A | | |
| | C44 | 4030011540 | S.CERAMIC | C1608 CH 1H 750J-T-A | | |
| | C45 | 4030007150 | S.CERAMIC | C1608 CH 1H 151J-T-A | | |
| | C46 | 4030007150 | S.CERAMIC | C1608 CH 1H 151J-T-A | | |
| | C47 | 4030007140 | S.CERAMIC | C1608 CH 1H 121J-T-A | | |
| | C48 C49 | 4030007110 4030007090 | S.CERAMIC S.CERAMIC | C1608 CH 1H 680J-T-A C1608 CH 1H 470J-T-A | | |
| | C50 | 4030007090 | S.CERAMIC | C1608 CH 1H 331J-T-A | | |
| | C51 | 4030007120 | S.CERAMIC | C1608 CH 1H 820J-T-A | | |
| | C52 | 4030011600 | S.CERAMIC | C1608 JB 1C 104KT-N | | |
| | C54 | 4030006880 | S.CERAMIC | C1608 JB 1H 472K-T-A | | |
| | C55 | 4030006880 | S.CERAMIC | C1608 JB 1H 472K-T-A | | |
| | C56 | 4030009580 | S.CERAMIC | C1608 JB 1H 681K-T-A | | |
| | C57 C58 | 4030006860 4030007170 | S.CERAMIC S.CERAMIC | C1608 JB 1H 102K-T-A C1608 CH 1H 221J-T-A | | |
| | C60 | 4030007170 | S.CERAMIC S.CERAMIC | C1608 CH 1H 240J-T-A | | |
| | C62 | 4030006860 | S.CERAMIC | C1608 JB 1H 102K-T-A | | |
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[HPF BOARD]

| REF NO. | ORDER NO. | | DESCRIPTION |
|------------|--------------|-----------|------------------------|
| C66 | 4030006900 | S.CERAMIC | C1608 JB 1E 103K-T-A |
| C67 | 4030007100 | S.CERAMIC | C1608 CH 1H 560J-T-A |
| C68 | 4030007160 | S.CERAMIC | C1608 CH 1H 181J-T-A |
| C69 | 4030007070 | S.CERAMIC | C1608 CH 1H 330J-T-A |
| C70 | 4030006900 | S.CERAMIC | C1608 JB 1E 103K-T-A ` |
| C71 | 4030006900 | S.CERAMIC | C1608 JB 1E 103K-T-A |
| C72 | 4030007080 | S.CERAMIC | C1608 CH 1H 390J-T-A |
| C73 | 4030007030 | S.CERAMIC | C1608 CH 1H 150J-T-A |
| C74 | 4030007080 | S.CERAMIC | C1608 CH 1H 390J-T-A |
| C80 | 4030011600 | S.CERAMIC | C1608 JB 1C 104KT-N |
| C81 | 4030007150 | S.CERAMIC | C1608 CH 1H 151J-T-A |
| C82 | 4030007140 | S.CERAMIC | C1608 CH 1H 121J-T-A |
| C83 | 4030007070 | S.CERAMIC | C1608 CH 1H 330J-T-A |
| C84 | 4030007140 | S.CERAMIC | C1608 CH 1H 121J-T-A |
| C85 | 4030007150 | S.CERAMIC | C1608 CH 1H 151J-T-A |
| C86 | 4030011600 | S.CERAMIC | C1608 JB 1C 104KT-N |
| J1 | 6910010810 | CONNECTOR | IMSA-9210B-1-06Z041-T |
| J2 | 6910010810 | CONNECTOR | IMSA-9210B-1-06Z041-T |
| EP1 | 0910048494 | РСВ | B 4917D |

[PLL UNIT]

| [PLL UNIT] | | | | | | | |
|--|--|--|---|--|--|--|--|
| REF NO. | ORDER NO. | DES | CRIPTION | | | | |
| IC1 IC2 IC3 IC4 IC5 IC8 IC9 IC10 IC11 IC12 IC13 | 118000420 1180001070 1180001540 1110003300 1110003090 1130003830 1130003641 1130003830 1140004550 1130003650 | S.IC S.IC S.IC S.IC S.IC S.IC S.IC S.IC | TA78L05F (TE12R) TA7805F (TE16L) TA78L08F (TE12R) M5282FP 7OCD LA4425A TC7S04F (TE85R) TC7S04F (TE85R) SC-1246 TC7S04F (TE85R) SC1287 PLL2001S-ET | | | | |
| Q5 Q6 Q7 Q8 Q9 Q10 Q12 Q13 Q14 Q15 Q16 Q18 Q19 Q20 Q21 Q22 Q23 Q24 Q26 Q27 Q30 Q36 Q37 Q30 Q36 Q37 Q44 Q45 Q47 Q48 Q48 Q49 Q49 Q49 Q49 Q49 Q49 Q49 Q49 Q49 Q49 | 1590002310 1560000720 1530003090 1560000720 1530003090 1530002570 1560000330 1530002560 1530002560 1530002560 1530002560 159001870 1590001870 1590001870 1590001870 1590001870 1590002560 1530002560 1530002560 1530002560 1530002560 1530002560 1530002560 1530002560 1530002560 1530002560 1530002560 1530002560 1530002560 1530002560 1530002560 1530002560 1530002560 1530002560 153000250 1530002560 1530002560 1530002560 1530002560 1530002560 1530002560 | S.TRANSISTOR S.FET S.TRANSISTOR S.FET S.TRANSISTOR | DTC114EE TL 2SK2171-4-TD 2SC4213-B (TE85R) 2SK2171-4-TD 2SC4213-B (TE85R) 2SC4405-3-TL 2SK210-GR (TE85R) 2SC4081 T107 R 2SC4403-3-TL 2SC4403-3-TL 2SC4081 T107 R DTA114EE TL DTA114EE TL DTA114EE TL DTA114EE TL DTA114EE TL 2SA1576 T107 R 2SC4081 T107 R DTA114EE TL 2SC4081 T107 R 2SC4116-GR (TE85R) 2SC426-T2 R25 DTA144EE TL 2SB874 C 2SK880-Y (TE85R) 2SC4117-BL (TE85R) 2SC4117-BL (TE85R) 2SC4081 T107 S | | | | |
| D3 D4 D5 D6 | 1750000130 1720000540 1790000620 1720000540 | S.DIODE S.VARICAP S.DIODE S.VARICAP | DA204U T107 HVM17-01TR MA77 (TW) HVM17-01TR | | | | |

[PLL UNIT]

[PLL UNIT]

| REF NO. | ORDER NO. | | DESCRIPTION |] [| REF NO. | ORDER NO. | | DESCRIPTION |
|------------|--------------------------|------------------|---------------------------------------|------|--------------|--------------------------|--------------------------|--|
| D7 | 1790000620 | S.DIODE | MA77 (TW) | 7 | R3 | 7030003440 | S.RESISTOR | ERJ3GEYJ 102 V (1 kΩ) |
| D8 | 1750000200 | S.DIODE | 1SS319 (TE85R) | 1 1 | R4 | 7030003440 | S.RESISTOR | ERJ3GEYJ 102 V (1 kΩ) |
| D9 | 1790000450 | S.DIODE | MA862 (TX) | 1 1 | R5 | 7030003440 | S.RESISTOR | ERJ3GEYJ 102 V (1 kΩ) |
| D11 | 1750000210 | S.DIODE | 1SV237 (TE85R) | 1 1 | R6 | 7030003440 | S.RESISTOR | ERJ3GEYJ 102 V (1 kΩ) |
| D12 | 1750000210 | S.DIODE | 1SV237 (TE85R) | 1 1 | R7 | 7030003440 | S.RESISTOR | ERJ3GEYJ 102 V (1 kΩ) |
| D13 | 1720000590 | S.VARICAP | MA357 (TX) | 1 [| R8 | 7030003440 | S.RESISTOR | ERJ3GEYJ 102 V (1 kΩ) |
| D16 | 1790000620 | S.DIODE | MA77 (TW) | 1 1 | R9 | 7030003440 | S.RESISTOR | ERJ3GEYJ 102 V (1 kΩ) |
| D17 | 1790000450 | S.DIODE | MA862 (TX) | | R10 | 7030003440 | S.RESISTOR | ERJ3GEYJ 102 V (1 kΩ) |
| D19 | 1790000450 | S.DIODE | MA862 (TX) | 1 1 | R11 | 7030003440 | S.RESISTOR | ERJ3GEYJ 102 V (1 kΩ) |
| D20 | 1750000130 | S.DIODE | DA204U T107 | 1 1 | R12 | 7030003440 | S.RESISTOR | ERJ3GEYJ 102 V (1 kΩ) |
| D22 | 1750000160 | S.DIODE | DA114 T107 | 1 1 | R13 | 7030003440 | S.RESISTOR | ERJ3GEYJ 102 V (1 kΩ) |
| D23 | 1790000590 | S.DIODE | MA110 (TW) | 1 1 | R18 | 7070000860 | RESISTOR | ERG2SJ 150 (15 Ω) |
| D24 | 1720000590 | S.VARICAP | MA357 (TX) | 1 1 | R24 | 7030003640 | S.RESISTOR | ERJ3GEYJ 473 V (47 kΩ) |
| | | | | 1 1 | R25 | 7030003560 | S.RESISTOR | ERJ3GEYJ 103 V (10 kΩ) |
| | | | | | R26 | 7030003730 | S.RESISTOR | ERJ3GEYJ 274 V (270 kΩ) |
| FI1 | 2020001140 | S.CERAMIC | SFECA10.7MA-5-A | | R28 | 7030003560 | S.RESISTOR | ERJ3GEYJ 103 V (10 kΩ) |
| İ | | | | | R29 | 7030003430 | S.RESISTOR | ERJ3GEYJ 821 V (820 Ω) |
| | | | | | R30 | 7030000100 | S.RESISTOR | MCR10EZHJ 4.7 Ω (4R7) |
| X1 | 6050005711 | XTAL | CR-275A (30.00000 MHz) | 1 1 | R32 | 7030003240 | S.RESISTOR | ERJ3GEYJ 220 V (22 Ω) |
| | | | | | R33 | 7030003440 | S.RESISTOR | ERJ3GEYJ 102 V (1 kΩ) |
| l | l | | | | R34 | 7030003240 | S.RESISTOR | ERJ3GEYJ 220 V (22 Ω) |
| L1 | 6170000140 | COIL | LW-15 | 1 1 | R37 | 7030003550 | S.RESISTOR | ERJ3GEYJ 822 V (8.2 kΩ) |
| L3 | 6130002900 | COIL | LB-332 | 1 1 | R38 | 7030003320 | S.RESISTOR | ERJ3GEYJ 101 V (100 Ω) |
| L4 | 6180000830 | COIL | LAL 03NA 3R3K | | R39 | 7030003260 | S.RESISTOR | ERJ3GEYJ 330 V (33 Ω) |
| L6 | 6130002830 | COIL | LB-325 | | R48 | 7030003440 | S.RESISTOR | ERJ3GEYJ 102 V (1 kΩ) ERJ3GEYJ 102 V (1 kΩ) |
| L7 | 6180000850 | COIL | LAL 03NA 4R7K | | R49 R50 | 7030003440 7030003440 | S.RESISTOR S.RESISTOR | ERJ3GEYJ 102 V (1 kΩ) |
| L8 | 6200005010 | S.COIL | NL 252018T-100J | | R50 R51 | 7030003440 | S.RESISTOR S.RESISTOR | ERJ3GEYJ 102 V (1 kΩ) |
| L10 L13 | 6200002160 6200001630 | S.COIL S.COIL | ELJNC 82NK-F ELJNC R10K-F | | R51 | 7030003440 | S.RESISTOR | ERJ3GEYJ 102 V (1 kΩ) |
| L13 | 6140002810 | S.COIL S.COIL | LR-317 | | R52 | 7030003440 | S.RESISTOR | ERJ3GEYJ 102 V (1 KΩ) ERJ3GEYJ 101 V (100 Ω) |
| L15 | 6200001630 | S.COIL | ELJNC R10K-F | | R54 | 7030003320 | S.RESISTOR | ERJ3GEYJ 101 V (100 Ω) |
| L17 | 6200001630 | S.COIL | ELJNC 82NK-F | 1 1 | R57 | 7030003330 | S.RESISTOR | ERJ3GEYJ 121 V (120 Ω) |
| L18 | 6200002100 | S.COIL | ELJNC 68NK-F | 1 1 | R58 | 7030003330 | S.RESISTOR | ERJ3GEYJ 470 V (47 Ω) |
| L19 | 6200003670 | S.COIL | ELJNC 68NK-F | | R59 | 7030003440 | S.RESISTOR | ERJ3GEYJ 102 V (1 kΩ) |
| L21 | 6200002160 | S.COIL | ELJNC 82NK-F | 1 1 | R60 | 7310002740 | S.TRIMMER | RV-150 |
| L22 | 6200001770 | S.COIL | ELJNC 47NK-F | 1 | R61 | 7030003440 | S.RESISTOR | ERJ3GEYJ 102 V (1 kΩ) |
| L23 | 6200002120 | S.COIL | ELJNC 33NK-F | 1 1 | R62 | 7030003680 | S.RESISTOR | ERJ3GEYJ 104 V (100 kΩ) |
| L25 | 6200002150 | S.COIL | ELJNC 56NK-F | 1 1 | R63 | 7030003680 | S.RESISTOR | ERJ3GEYJ 104 V (100 kΩ) |
| L26 | 6200001940 | S.COIL | ELJNC 27NK-F | 1 1 | R64 | 7030003340 | S.RESISTOR | ERJ3GEYJ 151 V (150 Ω) |
| L27 | 6200002120 | S.COIL | ELJNC 33NK-F | 1 1 | R65 | 7030003320 | S.RESISTOR | ERJ3GEYJ 101 V (100 Ω) |
| L28 | 6200001830 | S.COIL | NL 322522T-100J | 1 1 | R66 | 7030003550 | S.RESISTOR | ERJ3GEYJ 822 V (8.2 kΩ) |
| L29 | 6200005010 | S.COIL | NL 252018T-100J | 1 1 | R67 | 7030003220 | S.RESISTOR | ERJ3GEYJ 150 V (15 Ω) |
| L30 | 6200003260 | S.COIL | NL 322522T-101J | 1 1 | R68 | 7030003220 | S.RESISTOR | ERJ3GEYJ 150 V (15 Ω) |
| L31 | 6130001850 | COIL | LB-185 | | R69 | 7030003320 | S.RESISTOR | ERJ3GEYJ 101 V (100 Ω) |
| L32 | 6200001830 | S.COIL | NL 322522T-100J | 1 1 | R70 | 7030003580 | S.RESISTOR | ERJ3GEYJ 153 V (15 kΩ) |
| L34 | 6130001100 | COIL | LB-146 | | R71 | 7030003520 | S.RESISTOR | ERJ3GEYJ 472 V (4.7 kΩ) |
| L35 | 6180000900 | COIL | LAL 03NA 101K | | R72 | 7030003400 | S.RESISTOR | ERJ3GEYJ 471 V (470 Ω) |
| L36 | 6150004520 | S.COIL | LS-508 | | R73 | 7030003240 | S.RESISTOR | ERJ3GEYJ 220 V (22 Ω) |
| L37 | 6150004830 | S.COIL | LS-509 | | R74 | 7030003600 | S.RESISTOR | ERJ3GEYJ 223 V (22 kΩ) |
| L38 | 6150004830 | S.COIL | LS-509 NL 322522T-101J | 1 | R75 | 7030003560 7030003360 | S.RESISTOR | ERJ3GEYJ 103 V (10 kΩ) ERJ3GEYJ 221 V (220 Ω) |
| L39 L40 | 6200003260 6200003260 | S.COIL S.COIL | NL 322522T-101J NL 322522T-101J | 1 1 | R76 R77 | 7030003360 | S.RESISTOR S.RESISTOR | ERJ3GEYJ 101 V (100 Ω) |
| L40 | 6200003260 | S.COIL S.COIL | NL 322522T-101J | | R78 | 7030003320 | S.RESISTOR | ERJ3GEYJ 121 V (120 Ω) |
| L41 L42 | 6200003200 | S.COIL | NL 322522T-1010 | | R79 | 7030003530 | S.RESISTOR | ERJ3GEYJ 473 V (47 kΩ) |
| L42 | 6200001830 | S.COIL | NL 322522T-1000 | 1 1 | R80 | 7030003370 | S.RESISTOR | ERJ3GEYJ 271 V (270 Ω) |
| L44 | 6200005010 | S.COIL | NL 252018T-100J | | R81 | 7030003800 | S.RESISTOR | ERJ3GEYJ 105 V (1 MΩ) |
| L45 | 6200003010 | S.COIL | NL 322522T-330J | | R82 | 7030003380 | S.RESISTOR | ERJ3GEYJ 331 V (330 Ω) |
| L46 | 6200003130 | S.COIL | NL 322522T-120J | | R86 | 7030003400 | S.RESISTOR | ERJ3GEYJ 471 V (470 Ω) |
| L47 | 6200003140 | S.COIL | NL 322522T-150J | | R88 | 7030003320 | S.RESISTOR | ERJ3GEYJ 101 V (100 Ω) |
| L48 | 6200003670 | S.COIL | ELJNC 68NK-F | | R89 | 7030003440 | S.RESISTOR | ERJ3GEYJ 102 V (1 kΩ) |
| L49 | 6200003670 | S.COIL | ELJNC 68NK-F | | R90 | 7030003800 | S.RESISTOR | ERJ3GEYJ 105 V (1 ΜΩ) |
| L50 | 6200002150 | S.COIL | ELJNC 56NK-F | | R91 | 7030005370 | S.RESISTOR | RR0816P-202-B (2 kΩ) |
| L51 | 6200001940 | S.COIL | ELJNC 27NK-F | | R92 | 7030005370 | S.RESISTOR | RR0816P-202-B (2 kΩ) |
| L52 | 6200003320 | S.COIL | NL 322522T-3R3J-3 | | R93 | 7030005370 | S.RESISTOR | RR0816P-202-B (2 kΩ) |
| L53 | 6200003100 | S.COIL | NL 322522T-3R9J-3 | | R94 | 7030005370 | S.RESISTOR | RR0816P-202-B (2 kΩ) |
| L54 | 6200002960 | S.COIL | NL 322522T-4R7J-3 | | R95 | 7030005370 | S.RESISTOR | RR0816P-202-B (2 kΩ) |
| L56 | 6200001760 | S.COIL | ELJNC 22NK-F | | R96 | 7030005400 | S.RESISTOR | RR0816P-202-D (2 kΩ) |
| L57 | 6200003960 | S.COIL | MLF1608A 1R0K-T | | R97 | 7030005400 | S.RESISTOR | RR0816P-202-D (2 kΩ) |
| L62 | 6180001510 | COIL | LAL 02NA 101K | | R98 | 7030005400 | S.RESISTOR | RR0816P-202-D (2 kΩ) |
| L63 | 6200003260 | S.COIL | NL 322522T-101J | | R99 | 7030005400 | S.RESISTOR | RR0816P-202-D (2 kΩ) |
| L64 | 6200003260 | S.COIL | NL 322522T-101J | | R100 | 7030005400 | S.RESISTOR | RR0816P-202-D (2 kΩ) |
| L65 | 6200003540 | S.COIL | MLF1608D R22K-T | | R101 | 7030005400 | S.RESISTOR | RR0816P-202-D (2 kΩ) |
| L66 | 6200002160 | S.COIL | ELJNC 82NK-F | | R102 | 7030005400 | S.RESISTOR | RR0816P-202-D (2 kΩ) RR0816P-202-D (2 kΩ) |
| L67 | 6200003260 | S.COIL | NL 322522T-101J | | R103 | 7030005400 7030005380 | S.RESISTOR | RR0816P-202-D (2 kΩ) RR0816P-102-B (1 kΩ) |
| L68 L69 | 6200002180 6200004080 | S.COIL S.COIL | NL 252018T-R12J MLR1608M 33NJ-T | | R104 R105 | 7030005380 | S.RESISTOR S.RESISTOR | RR0816P-102-B (1 kΩ) |
| L70 | 6200004080 | S.COIL S.COIL | MLF1608M 33NJ-1 MLF1608A 4R7K-T | | R105 | 7030005380 | S.RESISTOR | RR0816P-102-B (1 kΩ) |
| L70 | 6200003550 | S.COIL | MLF1608A 4R7K-T | | R100 | 7030005380 | S.RESISTOR | RR0816P-102-B (1 kΩ) |
| L72 | 6200003550 | S.COIL | MLF1608A 4R7K-T | | R107 | 7030005380 | S.RESISTOR | RR0816P-102-B (1 kΩ) |
| L73 | 6200003550 | S.COIL | MLF1608A 4R7K-T | | R109 | 7030005390 | S.RESISTOR | RR0816P-102-D (1 kΩ) |
| L74 | 6200003550 | S.COIL | MLF1608A 4R7K-T | | R110 | 7030005390 | S.RESISTOR | RR0816P-102-D (1 kΩ) |
| I | | | · · · · · · · · · · · · · · · · · · · | | R111 | 7030005390 | S.RESISTOR | RR0816P-102-D (1 kΩ) |
| | L | 1 | | ا لـ | L | | I | S =Surface mount |

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[PLL UNIT]

| REF NO. | ORDER NO. | | DESCRIPTION |
|--------------|--------------------------|--------------------------|--|
| R112 | 7030005390 | S.RESISTOR | RR0816P-102-D (1 kΩ) |
| R113 | 7030005390 | S.RESISTOR | RR0816P-102-D (1 kΩ) |
| R114 | 7030005390 | S.RESISTOR | RR0816P-102-D (1 kΩ) |
| R115 R116 | 7030003800 7030005370 | S.RESISTOR S.RESISTOR | ERJ3GEYJ 105 V (1 MΩ) RR0816P-202-B (2 kΩ) |
| R117 | 7030005370 | S.RESISTOR | RR0816P-202-B (2 kΩ) |
| R118 | 7030005370 | S.RESISTOR | RR0816P-202-B (2 kΩ) |
| R119 | 7030005400 | S.RESISTOR | RR0816P-202-D (2 kΩ) |
| R120 | 7030005400 | S.RESISTOR | RR0816P-202-D (2 kΩ) |
| R121 R122 | 7030005400 7030005400 | S.RESISTOR S.RESISTOR | RR0816P-202-D (2 kΩ) RR0816P-202-D (2 kΩ) |
| R123 | 7030005400 | S.RESISTOR | RR0816P-202-D (2 kΩ) |
| R124 | 7030005400 | S.RESISTOR | RR0816P-202-D (2 kΩ) |
| R125 | 7030005400 | S.RESISTOR | RR0816P-202-D (2 kΩ) |
| R126 R127 | 7030005400 7030005380 | S.RESISTOR S.RESISTOR | RR0816P-202-D (2 kΩ) RR0816P-102-B (1 kΩ) |
| R128 | 7030005380 | S.RESISTOR | RR0816P-102-B (1 kΩ) |
| R129 | 7030005380 | S.RESISTOR | RR0816P-102-B (1 kΩ) |
| R130 | 7030005390 | S.RESISTOR | RR0816P-102-D (1 kΩ) |
| R131 R132 | 7030005390 7030005390 | S.RESISTOR S.RESISTOR | RR0816P-102-D (1 kΩ) RR0816P-102-D (1 kΩ) |
| R133 | 7030005390 | S.RESISTOR | RR0816P-102-D (1 kΩ) |
| R134 | 7030005390 | S.RESISTOR | RR0816P-102-D (1 kΩ) |
| R135 | 7030005390 | S.RESISTOR | RR0816P-102-D (1 kΩ) |
| R136 R137 | 7030003620 7030003580 | S.RESISTOR S.RESISTOR | ERJ3GEYJ 333 V (33 kΩ) ERJ3GEYJ 153 V (15 kΩ) |
| R138 | 7030003380 | S.RESISTOR | ERJ3GEYJ 133 V (13 k2) ERJ3GEYJ 222 V (2.2 kΩ) |
| R142 | 7030003440 | S.RESISTOR | ERJ3GEYJ 102 V (1 kΩ) |
| R149 | 7030003440 | S.RESISTOR | ERJ3GEYJ 102 V (1 kΩ) |
| R152 R153 | 7030003370 7010003320 | S.RESISTOR RESISTOR | ERJ3GEYJ 271 V (270 Ω) ELR20J 220 Ω |
| R154 | 7030003470 | S.RESISTOR | ERJ3GEYJ 182 V (1.8 kΩ) |
| R155 | 7030003480 | S.RESISTOR | ERJ3GEYJ 222 V (2.2 kΩ) |
| R156 | 7030003360 | S.RESISTOR | ERJ3GEYJ 221 V (220 Ω) |
| R157 R158 | 7030003320 7030003440 | S.RESISTOR S.RESISTOR | ERJ3GEYJ 101 V (100 Ω) ERJ3GEYJ 102 V (1 kΩ) |
| R159 | 7030003440 | S.RESISTOR | ERJ3GEYJ 102 V (1 kΩ) |
| R160 | 7030003560 | S.RESISTOR | ERJ3GEYJ 103 V (10 kΩ) |
| R161 | 7030003560 | S.RESISTOR | ERJ3GEYJ 103 V (10 kΩ) |
| R162 R163 | 7030003220 7030003220 | S.RESISTOR S.RESISTOR | ERJ3GEYJ 150 V (15 Ω) ERJ3GEYJ 150 V (15 Ω) |
| R167 | 7030003440 | S.RESISTOR | ERJ3GEYJ 102 V (1 kΩ) |
| R173 | 7030003320 | S.RESISTOR | ERJ3GEYJ 101 V (100 Ω) |
| R176 | 7030003540 | S.RESISTOR | ERJ3GEYJ 682 V (6.8 kΩ) |
| R177 R178 | 7030003440 7030003320 | S.RESISTOR S.RESISTOR | ERJ3GEYJ 102 V (1 kΩ) ERJ3GEYJ 101 V (100 Ω) |
| R179 | 7030003280 | S.RESISTOR | ERJ3GEYJ 470 V (47 Ω) |
| R180 | 7030003330 | S.RESISTOR | ERJ3GEYJ 121 V (120 Ω) |
| R181 | 7030003220 | S.RESISTOR | ERJ3GEY J 150 V (15 Ω) |
| R182 R183 | 7030003220 7030003220 | S.RESISTOR S.RESISTOR | ERJ3GEYJ 150 V (15 Ω) ERJ3GEYJ 150 V (15 Ω) |
| R184 | 7030003440 | S.RESISTOR | ERJ3GEYJ 102 V (1 kΩ) |
| R186 | 7030003840 | S.RESISTOR | ERJ3GEYJ 225 V (2.2 MΩ) |
| R187 R188 | 7030003260 7030003500 | S.RESISTOR S.RESISTOR | ERJ3GEYJ 330 V (33 Ω) ERJ3GEYJ 332 V (3.3 kΩ) |
| R189 | 7030003300 | S.RESISTOR | ERJ3GEYJ 332 V (3.3 KΩ) ERJ3GEYJ 122 V (1.2 kΩ) |
| R190 | 7030003280 | S.RESISTOR | ERJ3GEYJ 470 V (47 Ω) |
| R192 | 7030003460 | S.RESISTOR | ERJ3GEYJ 152 V (1.5 kΩ) |
| R194 R197 | 7030003220 7030003340 | S.RESISTOR S.RESISTOR | ERJ3GEYJ 150 V (15 Ω) ERJ3GEYJ 151 V (150 Ω) |
| R197 | 7030003340 | S.RESISTOR | ERJ3GEYJ 151 V (150 Ω) |
| R199 | 7030003300 | S.RESISTOR | ERJ3GEYJ 680 V (68 Ω) |
| R200 | 7030003320 | S.RESISTOR | ERJ3GEYJ 101 V (100 Ω) |
| R202 R203 | 7030003520 7030003840 | S.RESISTOR S.RESISTOR | ERJ3GEYJ 472 V (4.7 kΩ) ERJ3GEYJ 225 V (2.2 MΩ) |
| R205 | 7030003400 | S.RESISTOR | ERJ3GEYJ 471 V (470 Ω) |
| R213 | 7030003440 | S.RESISTOR | ERJ3GEYJ 102 V (1 kΩ) |
| R217 | 7030003400 | S.RESISTOR | ERJ3GEYJ 471 V (470 Ω) |
| R218 R219 | 7030003370 7030003230 | S.RESISTOR S.RESISTOR | ERJ3GEYJ 271 V (270 Ω) ERJ3GEYJ 180 V (18 Ω) |
| R220 | 7030003370 | S.RESISTOR | ERJ3GEYJ 271 V (270 Ω) |
| R221 | 7030007490 | S.RESISTOR | MCR03EZHJ 10 M Ω (106) |
| R222 | 7030003480 | S.RESISTOR | ERJ3GEYJ 222 V (2.2 kΩ) |
| R223 R224 | 7030003320 7030003380 | S.RESISTOR S.RESISTOR | ERJ3GEYJ 101 V (100 Ω) ERJ3GEYJ 331 V (330 Ω) |
| R225 | 7030003440 | S.RESISTOR | ERJ3GEYJ 102 V (1 kΩ) |
| R226 | 7030003470 | S.RESISTOR | ERJ3GEYJ 182 V (1.8 kΩ) |
| R227 R229 | 7030003440 7030003340 | S.RESISTOR S.RESISTOR | ERJ3GEYJ 102 V (1 kΩ) |
| R230 | 7030003340 | S.RESISTOR | ERJ3GEYJ 151 V (150 Ω) ERJ3GEYJ 390 V (39 Ω) |
| R231 | 7030003400 | S.RESISTOR | ERJ3GEYJ 471 V (470 Ω) |
| R232 | 7010004150 | RESISTOR | R20J 470 Ω |

| REF NO. | ORDER NO. | | DESCRIPTION |
|--------------|--------------------------|--------------------------|---|
| R233 | 7010004150 | RESISTOR | R20J 470 Ω |
| R234 | 7030003320 | S.RESISTOR | ERJ3GEYJ 101 V (100 Ω) |
| R235 | 7030003680 | S.RESISTOR | ERJ3GEYJ 104 V (100 kΩ) |
| R236 R237 | 7030003400 7030003510 | S.RESISTOR S.RESISTOR | ERJ3GEYJ 471 V (470 Ω) ERJ3GEYJ 392 V (3.9 kΩ) |
| R238 | 7030003310 | S.RESISTOR | ERJ3GEYJ 101 V (100 Ω) |
| R239 | 7030003680 | S.RESISTOR | ERJ3GEYJ 104 V (100 kΩ) |
| R240 | 7030003800 | S.RESISTOR | ERJ3GEYJ 105 V (1 MΩ) |
| R241 | 7030003360 | S.RESISTOR | ERJ3GEYJ 221 V (220 Ω) |
| R243 R244 | 7030003640 7030003440 | S.RESISTOR S.RESISTOR | ERJ3GEYJ 473 V (47 kΩ) ERJ3GEYJ 102 V (1 kΩ) |
| R245 | 7030003440 | S.RESISTOR | ERJ3GEYJ 102 V (1 kΩ) |
| R246 | 7030003640 | S.RESISTOR | ERJ3GEYJ 473 V (47 kΩ) |
| R247 | 7030003280 | S.RESISTOR | ERJ3GEYJ 470 V (47 Ω) |
| R248 | 7030003320 | S.RESISTOR | ERJ3GEYJ 101 V (100 Ω) ERT-D2ZHL 503S |
| R249 R250 | 7510000071 7030003460 | THERMISTOR S.RESISTOR | ERJ3GEYJ 152 V (1.5 kΩ) |
| R255 | 7030003440 | S.RESISTOR | ERJ3GEYJ 102 V (1 kΩ) |
| R256 | 7030003560 | S.RESISTOR | ERJ3GEYJ 103 V (10 kΩ) |
| R257 | 7030003560 | S.RESISTOR | ERJ3GEYJ 103 V (10 kΩ) |
| C1 | 4030009590 | S.CERAMIC | C2012 JF 1C 225Z-T-A |
| C2 | 4030006880 | S.CERAMIC | C1608 JB 1H 472K-T-A |
| C3 | 4030006880 | S.CERAMIC | C1608 JB 1H 472K-T-A |
| C4 C5 | 4030006880 4030009590 | S.CERAMIC S.CERAMIC | C1608 JB 1H 472K-T-A C2012 JF 1C 225Z-T-A |
| C6 | 4030006880 | S.CERAMIC | C1608 JB 1H 472K-T-A |
| C7 | 4030006880 | S.CERAMIC | C1608 JB 1H 472K-T-A |
| C8 | 4030009590 | S.CERAMIC | C2012 JF 1C 225Z-T-A |
| C9 | 4030009590 | S.CERAMIC | C2012 JF 1C 225Z-T-A |
| C10 C11 | 4030006880 4030006880 | S.CERAMIC S.CERAMIC | C1608 JB 1H 472K-T-A C1608 JB 1H 472K-T-A |
| C12 | 4030009590 | S.CERAMIC | C2012 JF 1C 225Z-T-A |
| C15 | 4550006080 | S.TANTALUM | TEMSVB2 1C 106M-8L |
| C16 | 4030009110 | S.CERAMIC | C3216 JB 1C 474K-T-A |
| C17 | 4030011600 | S.CERAMIC | C1608 JB 1C 104KT-N |
| C18 C19 | 4030010750 4030009110 | S.CERAMIC S.CERAMIC | C1608 CH 1H 201J-T-A C3216 JB 1C 474K-T-A |
| C20 | 4550006080 | S.TANTALUM | TEMSVB2 1C 106M-8L |
| C21 | 4510005600 | S.ELECTROLYTIC | ECEV1CS100SR |
| C22 | 4510005600 | S.ELECTROLYTIC | ECEV1CS100SR |
| C23 C24 | 4030006880 4030009110 | S.CERAMIC S.CERAMIC | C1608 JB 1H 472K-T-A C3216 JB 1C 474K-T-A |
| C25 | 4030009110 | S.CERAMIC S.CERAMIC | C1608 JB 1C 104KT-N |
| C26 | 4510004600 | ELECTROLYTIC | 16 MV 1000 HC |
| C27 | 4510004590 | ELECTROLYTIC | 16 MV 470 HC |
| C28 | 4030011600 | S.CERAMIC | C1608 JB 1C 104KT-N |
| C29 C32 | 4030006880 4030008560 | S.CERAMIC S.CERAMIC | C1608 JB 1H 472K-T-A C1608 CH 1H 300J-T-A |
| C33 | 4030006880 | S.CERAMIC | C1608 JB 1H 472K-T-A |
| C34 | 4030009510 | S.CERAMIC | C1608 CH 1H 010B-T-A |
| C35 | 4030006880 | S.CERAMIC | C1608 JB 1H 472K-T-A |
| C36 | 4030006880 | S.CERAMIC | C1608 JB 1H 472K-T-A |
| C37 C40 | 4030006850 4030007110 | S.CERAMIC S.CERAMIC | C1608 JB 1H 471K-T-A C1608 CH 1H 680J-T-A |
| C41 | 4030006880 | S.CERAMIC | C1608 JB 1H 472K-T-A |
| C42 | 4030009510 | S.CERAMIC | C1608 CH 1H 010B-T-A |
| C43 | 4030006880 | S.CERAMIC | C1608 JB 1H 472K-T-A |
| C44 | 4030006880 | S.CERAMIC | C1608 JB 1H 472K-T-A |
| C45 C46 | 4030006850 4030006880 | S.CERAMIC S.CERAMIC | C1608 JB 1H 471K-T-A C1608 JB 1H 472K-T-A |
| C51 | 4510004590 | ELECTROLYTIC | 16 MV 470 HC |
| C52 | 4030006880 | S.CERAMIC | C1608 JB 1H 472K-T-A |
| C53 | 4030006880 | S.CERAMIC | C1608 JB 1H 472K-T-A |
| C54 | 4030006880 | S.CERAMIC | C1608 JB 1H 472K-T-A |
| C60 C61 | 4030007130 4030006880 | S.CERAMIC S.CERAMIC | C1608 CH 1H 101J-T-A C1608 JB 1H 472K-T-A |
| C62 | 4030006880 | S.CERAMIC | C1608 JB 1H 472K-T-A |
| C64 | 4030007090 | S.CERAMIC | C1608 CH 1H 470J-T-A |
| C65 | 4030007070 | S.CERAMIC | C1608 CH 1H 330J-T-A |
| C66 C67 | 4030007020 4030007090 | S.CERAMIC S.CERAMIC | C1608 CH 1H 120J-T-A C1608 CH 1H 470J-T-A |
| C68 | 4030007090 | S.CERAMIC S.CERAMIC | C1608 CH 1H 070D-T-A |
| C69 | 4030007060 | S.CERAMIC | C1608 CH 1H 270J-T-A |
| C70 | 4030008560 | S.CERAMIC | C1608 CH 1H 300J-T-A |
| C71 | 4030007000 | S.CERAMIC | C1608 CH 1H 090D-T-A |
| C72 C73 | 4030007070 4030006960 | S.CERAMIC S.CERAMIC | C1608 CH 1H 330J-T-A C1608 CH 1H 050C-T-A |
| C74 | 4030006960 | S.CERAMIC S.CERAMIC | C1608 CH 1H 180J-T-A |
| C75 | 4030007020 | S.CERAMIC | C1608 CH 1H 120J-T-A |
| C76 | 4030007110 | S.CERAMIC | C1608 CH 1H 680J-T-A |
| | | | S _Surface mount |

[PLL UNIT]

[PLL UNIT]

| [PLL U | MALL J | | | [PLL U | 1411] | | | |
|--------------|--------------------------|------------------------|--|--------|--------------|--------------------------|-----------------------------|--|
| REF NO. | ORDER NO. | D | DESCRIPTION | | REF NO. | ORDER NO. | С | DESCRIPTION |
| C77 | 4030007030 | S.CERAMIC | C1608 CH 1H 150J-T-A | | C162 | 4030007070 | S.CERAMIC | C1608 CH 1H 330J-T-A |
| C78 | 4030007030 | S.CERAMIC | C1608 CH 1H 150J-T-A | | C163 | 4030006930 | S.CERAMIC | C1608 CH 1H 020C-T-A |
| C79 | 4030006940 | S.CERAMIC | C1608 CH 1H 030C-T-A | | C164 | 4030007040 | S.CERAMIC | C1608 CH 1H 180J-T-A |
| C80 | 4030007060 | S.CERAMIC | C1608 CH 1H 270J-T-A | | C165 | 4030006880 | S.CERAMIC | C1608 JB 1H 472K-T-A |
| C81 | 4030006990 | S.CERAMIC | C1608 CH 1H 080D-T-A | | C166 | 4550000460 | S.TANTALUM | TESVA 1C 105M1-8L |
| C82 | 4030007020 | S.CERAMIC | C1608 CH 1H 120J-T-A | | C167 | 4030011600 | S.CERAMIC | C1608 JB 1C 104KT-N |
| C83 | 4030007050 | S.CERAMIC | C1608 CH 1H 220J-T-A | | C169 | 4030006920 | S.CERAMIC | C1608 CH 1H 010C-T-A |
| C84 | 4030008560 | S.CERAMIC | C1608 CH 1H 300J-T-A | | C170 | 4030007030 | S.CERAMIC | C1608 CH 1H 150J-T-A |
| C85 | 4030007050 | S.CERAMIC | C1608 CH 1H 220J-T-A | | C171 | 4030007010 | S.CERAMIC | C1608 CH 1H 100D-T-A |
| C86 | 4030006990 | S.CERAMIC | C1608 CH 1H 080D-T-A | | C172 | 4030007010 | S.CERAMIC | C1608 CH 1H 100D-T-A |
| C87 | 4030006970 | S.CERAMIC | C1608 CH 1H 060D-T-A | | C173 | 4030006880 | S.CERAMIC | C1608 JB 1H 472K-T-A |
| C88 | 4030007040 | S.CERAMIC | C1608 CH 1H 180J-T-A | | C174 | 4030006880 | S.CERAMIC | C1608 JB 1H 472K-T-A |
| C89 | 4030006930 | S.CERAMIC | C1608 CH 1H 020C-T-A | | C175 C176 | 4030006880 4030006880 | S.CERAMIC S.CERAMIC | C1608 JB 1H 472K-T-A C1608 JB 1H 472K-T-A |
| C90 | 4030007020 | S.CERAMIC S.CERAMIC | C1608 CH 1H 120J-T-A C1608 CH 1H 820J-T-A | | C176 | 4030006980 | S.CERAMIC S.CERAMIC | C1608 3B 111472R-1-A C1608 CH 1H 070D-T-A |
| C91 C92 | 4030007120 4030007120 | S.CERAMIC S.CERAMIC | C1608 CH 1H 820J-T-A | | C178 | 4030006930 | S.CERAMIC | C1608 CH 1H 020C-T-A |
| C93 | 4030007120 | S.CERAMIC | C1608 CH 1H 820J-T-A | | C179 | 4030007010 | S.CERAMIC | C1608 CH 1H 100D-T-A |
| C94 | 4030006880 | S.CERAMIC | C1608 JB 1H 472K-T-A | | C180 | 4030009470 | S.CERAMIC | C1608 CH 1H R75C-T-A |
| C95 | 4510005600 | S.ELECTROLYTIC | | | C181 | 4030006990 | S.CERAMIC | C1608 CH 1H 080D-T-A |
| C96 | 4030006880 | S.CERAMIC | C1608 JB 1H 472K-T-A | | C182 | 4030006880 | S.CERAMIC | C1608 JB 1H 472K-T-A |
| C98 | 4030006880 | S.CERAMIC | C1608 JB 1H 472K-T-A | | C183 | 4030006880 | S.CERAMIC | C1608 JB 1H 472K-T-A |
| C99 | 4030006880 | S.CERAMIC | C1608 JB 1H 472K-T-A | | C184 | 4030006860 | S.CERAMIC | C1608 JB 1H 102K-T-A |
| C100 | 4510005600 | S.ELECTROLYTIC | | | C185 | 4030006850 | S.CERAMIC | C1608 JB 1H 471K-T-A |
| C101 | 4040000190 | BARRIERLAYR | UAT 05X 103K | | C186 | 4510004990 | ELECTROLYTIC | 16 MV 100 HC |
| C102 | 4030007080 | S.CERAMIC | C1608 CH 1H 390J-T-A | | C188 | 4030006850 | S.CERAMIC | C1608 JB 1H 471K-T-A |
| C103 | 4030011570 | S.CERAMIC | CM105 CH 101G 50AT | | C195 | 4030006880 | S.CERAMIC | C1608 JB 1H 472K-T-A |
| C104 | 4610001260 | S.TRIMMER | ECR-JA020 E12W | | C196 | 4030006880 | S.CERAMIC S.CERAMIC | C1608 JB 1H 472K-T-A C1608 JB 1H 102K-T-A |
| C105 | 4030007150 | S.CERAMIC | C1608 CH 1H 151J-T-A | 1 | C197 | 4030006860 | | |
| C106 C107 | 4030007150 4030007150 | S.CERAMIC S.CERAMIC | C1608 CH 1H 151J-T-A C1608 CH 1H 151J-T-A | l | C198 C200 | 4030006880 4510005600 | S.CERAMIC S.ELECTROLYTIC | C1608 JB 1H 472K-T-A ECEV1CS100SR |
| C107 | 4030007130 | S.CERAMIC | C1608 JB 1C 104KT-N | İ | C201 | 4510005600 | S.ELECTROLYTIC | |
| C109 | 4030006960 | S.CERAMIC | C1608 CH 1H 050C-T-A | | C202 | 4510005600 | S.ELECTROLYTIC | |
| C110 | 4030011600 | S.CERAMIC | C1608 JB 1C 104KT-N | | C204 | 4030006980 | S.CERAMIC | C1608 CH 1H 070D-T-A |
| C111 | 4510005600 | S.ELECTROLYTIC | | | C205 | 4030006980 | S.CERAMIC | C1608 CH 1H 070D-T-A |
| C112 | 4030011600 | S.CERAMIC | C1608 JB 1C 104KT-N | | C206 | 4030007030 | S.CERAMIC | C1608 CH 1H 150J-T-A |
| C113 | 4030006880 | S.CERAMIC | C1608 JB 1H 472K-T-A | | C207 | 4030006880 | S.CERAMIC | C1608 JB 1H 472K-T-A |
| C114 | 4030006880 | S.CERAMIC | C1608 JB 1H 472K-T-A | | C212 | 4030006880 | S.CERAMIC | C1608 JB 1H 472K-T-A |
| C115 | 4030007060 | S.CERAMIC | C1608 CH 1H 270J-T-A | | C213 | 4030006880 | S.CERAMIC | C1608 JB 1H 472K-T-A |
| C116 | 4030007100 | S.CERAMIC | C1608 CH 1H 560J-T-A | | C217 | 4030007030 | S.CERAMIC S.CERAMIC | C1608 CH 1H 150J-T-A C1608 CH 1H 080D-T-A |
| C117 C118 | 4030006880 4030007100 | S.CERAMIC S.CERAMIC | C1608 JB 1H 472K-T-A C1608 CH 1H 560J-T-A | | C218 C219 | 4030006990 4030007030 | S.CERAMIC | C1608 CH 1H 050D-1-A |
| C119 | 4030007100 | S.CERAMIC S.CERAMIC | C1608 JB 1H 472K-T-A | l | C220 | 4030007030 | S.CERAMIC | C1608 JB 1H 472K-T-A |
| C120 | 4030006880 | S.CERAMIC | C1608 JB 1H 472K-T-A | 1 | C223 | 4040000690 | BARRIERLAYR | UAT 08X 473K |
| C121 | 4030006880 | S.CERAMIC | C1608 JB 1H 472K-T-A | | C224 | 4510005000 | ELECTROLYTIC | 16 MV 220 HC |
| C122 | 4030007060 | S.CERAMIC | C1608 CH 1H 270J-T-A | | C225 | 4030006880 | S.CERAMIC | C1608 JB 1H 472K-T-A |
| C123 | 4030006880 | S.CERAMIC | C1608 JB 1H 472K-T-A | | C226 | 4030011600 | S.CERAMIC | C1608 JB 1C 104KT-N |
| C124 | 4030006920 | S.CERAMIC | C1608 CH 1H 010C-T-A | | C227 | 4030011600 | S.CERAMIC | C1608 JB 1C 104KT-N |
| C125 | 4030007060 | S.CERAMIC | C1608 CH 1H 270J-T-A | | C228 | 4030011600 | S.CERAMIC | C1608 JB 1C 104KT-N |
| C126 | 4030011600 | S.CERAMIC | C1608 JB 1C 104KT-N | | C237 | 4030006920 | S.CERAMIC | C1608 CH 1H 010C-T-A |
| C127 C128 | 4030011600 4030006880 | S.CERAMIC S.CERAMIC | C1608 JB 1C 104KT-N C1608 JB 1H 472K-T-A | | C238 C239 | 4030006850 4030006850 | S.CERAMIC S.CERAMIC | C1608 JB 1H 471K-T-A C1608 JB 1H 471K-T-A |
| C128 | 4030006880 | S.CERAMIC S.CERAMIC | C1608 JB 1H 472K-T-A | | C240 | 4030006880 | S.CERAMIC | C1608 JB 1H 472K-T-A |
| C132 | 4550000460 | S.TANTALUM | TESVA 1C 105M1-8L | | C241 | 4550006080 | S.TANTALUM | TEMSVB2 1C 106M-8L |
| C133 | 4030006880 | S.CERAMIC | C1608 JB 1H 472K-T-A | | C242 | 4550006080 | S.TANTALUM | TEMSVB2 1C 106M-8L |
| C134 | 4030011600 | S.CERAMIC | C1608 JB 1C 104KT-N | | C243 | 4040000690 | BARRIERLAYR | UAT 08X 473K |
| C135 | 4030011600 | S.CERAMIC | C1608 JB 1C 104KT-N | | C244 | 4030006880 | S.CERAMIC | C1608 JB 1H 472K-T-A |
| C136 | 4030011600 | S.CERAMIC | C1608 JB 1C 104KT-N | | C245 | 4030006880 | S.CERAMIC | C1608 JB 1H 472K-T-A |
| C137 | 4030011600 | S.CERAMIC | C1608 JB 1C 104KT-N | | C246 | 4550000460 | S.TANTALUM | TESVA 1C 105M1-8L |
| C138 | 4030011600 | S.CERAMIC | C1608 JB 1C 104KT-N | | C247 | 4030007100 | S.CERAMIC | C1608 CH 1H 560J-T-A |
| C139 | 4030011600 | S.CERAMIC | C1608 JB 1C 104KT-N | l | C248 | 4030006880 4030007030 | S.CERAMIC | C1608 JB 1H 472K-T-A C1608 CH 1H 150J-T-A |
| C140 C141 | 4030011600 4030011600 | S.CERAMIC S.CERAMIC | C1608 JB 1C 104KT-N C1608 JB 1C 104KT-N | | C249 C250 | 4030007030 | S.CERAMIC S.CERAMIC | C1608 CH 1H 150J-1-A C1608 JB 1H 472K-T-A |
| C141 | 4030011600 | S.CERAMIC S.CERAMIC | C1608 JB 1C 104KT-N | | C250 | 4030006880 | S.CERAMIC S.CERAMIC | C1608 JB 1H 472K-T-A |
| C142 | 4030011600 | S.CERAMIC | C1608 JB 1C 104KT-N | | C252 | 4030006880 | S.CERAMIC | C1608 JB 1H 472K-T-A |
| C144 | 4030011600 | S.CERAMIC | C1608 JB 1C 104KT-N | | C253 | 4030006880 | S.CERAMIC | C1608 JB 1H 472K-T-A |
| C145 | 4030011600 | S.CERAMIC | C1608 JB 1C 104KT-N | | C254 | 4030006880 | S.CERAMIC | C1608 JB 1H 472K-T-A |
| C146 | 4030011600 | S.CERAMIC | C1608 JB 1C 104KT-N | | C255 | 4030006880 | S.CERAMIC | C1608 JB 1H 472K-T-A |
| C147 | 4030011600 | S.CERAMIC | C1608 JB 1C 104KT-N | | C256 | 4030006880 | S.CERAMIC | C1608 JB 1H 472K-T-A |
| C148 | 4030011600 | S.CERAMIC | C1608 JB 1C 104KT-N | | C257 | 4030011600 | S.CERAMIC | C1608 JB 1C 104KT-N |
| C149 | 4030006880 | S.CERAMIC | C1608 JB 1H 472K-T-A | l | C258 | 4030011600 | S.CERAMIC | C1608 JB 1C 104KT-N |
| C150 | 4030011600 | S.CERAMIC | C1608 JB 1C 104KT-N | | C259 C260 | 4030007050 4030007050 | S.CERAMIC S.CERAMIC | C1608 CH 1H 220J-T-A C1608 CH 1H 220J-T-A |
| C151 C152 | 4030011600 | S.CERAMIC S.CERAMIC | C1608 JB 1C 104KT-N C1608 JB 1C 104KT-N | l | C260 | 4030007050 | S.CERAMIC S.CERAMIC | C1608 CH 1H 220J-T-A |
| C152 | 4030011600 | S.CERAMIC | C1608 JB 1C 104KT-N | | C262 | 4030007030 | S.CERAMIC | C1608 JB 1H 102K-T-A |
| C154 | 4030011600 | S.CERAMIC | C1608 JB 1C 104KT-N | 1 | C263 | 4030006880 | S.CERAMIC | C1608 JB 1H 472K-T-A |
| C155 | 4030011600 | S.CERAMIC | C1608 JB 1C 104KT-N | Ī | C264 | 4030006860 | S.CERAMIC | C1608 JB 1H 102K-T-A |
| C156 | 4030011600 | S.CERAMIC | C1608 JB 1C 104KT-N | Ī | C265 | 4030006860 | S.CERAMIC | C1608 JB 1H 102K-T-A |
| C157 | 4030007040 | S.CERAMIC | C1608 CH 1H 180J-T-A | Ī | C266 | 4030006860 | S.CERAMIC | C1608 JB 1H 102K-T-A |
| C158 | 4030007090 | S.CERAMIC | C1608 CH 1H 470J-T-A | 1 | C267 | 4510004590 | ELECTROLYTIC | 16 MV 470 HC |
| C159 | 4030007040 | S.CERAMIC | C1608 CH 1H 180J-T-A | Ī | C268 | 4030006880 | S.CERAMIC | C1608 JB 1H 472K-T-A |
| C160 | 4030007040 | S.CERAMIC | C1608 CH 1H 180J-T-A | Ī | C269 C270 | 4030009110 4030007060 | S.CERAMIC S.CERAMIC | C3216 JB 1C 474K-T-A C1608 CH 1H 270J-T-A |
| C161 | 4030006960 | S.CERAMIC | C1608 CH 1H 050C-T-A | J | 02/0 | 4030007060 | 3.CENAIVIIC | G1000 G11 II1 2/00-1-A |

[PLL UNIT]

| REF | REF ORDER PERCENTION | | | | | |
|-----------------|--------------------------|----------------|--|--|--|--|
| NO. | NO. | (| DESCRIPTION | | | |
| C271 | 4030011600 | S.CERAMIC | C1608 JB 1C 104KT-N | | | |
| C272 | 4030007090 | S.CERAMIC | C1608 CH 1H 470J-T-A | | | |
| C273 | 4030006880 | S.CERAMIC | C1608 JB 1H 472K-T-A | | | |
| C274 | 4030006880 | S.CERAMIC | C1608 JB 1H 472K-T-A | | | |
| C275 | 4030006880 | S.CERAMIC | C1608 JB 1H 472K-T-A | | | |
| C276 | 4030006880 | S.CERAMIC | C1608 JB 1H 472K-T-A | | | |
| C277 | 4030006880 | S.CERAMIC | C1608 JB 1H 472K-T-A | | | |
| C278 | 4030006880 | S.CERAMIC | C1608 JB 1H 472K-T-A | | | |
| C279 | 4030007010 | S.CERAMIC | C1608 CH 1H 100D-T-A | | | |
| C280 | 4030007010 | S.CERAMIC | C1608 CH 1H 100D-T-A | | | |
| C281 | 4030007010 | S.CERAMIC | C1608 CH 1H 100D-T-A | | | |
| C282 | 4030006880 | S.CERAMIC | C1608 JB 1H 472K-T-A | | | |
| RL1 | 6330001320 | RELAY | AHY103 | | | |
| CP11 | 6910009670 | S.CHECK POINT | HK3-S-T | | | |
| CP11 | 6910009670 | S.CHECK POINT | HK3-S-T | | | |
| | | | | | | |
| J1 | 6510020250 | S.CONNECTOR | B9B-PH-SM3-TB | | | |
| J2 | 6510019070 | S.CONNECTOR | 52559-3092 | | | |
| J3 | 6510019970 | S.CONNECTOR | 52808-1090 | | | |
| J4 | 6510009890 | CONNECTOR | PD054-04M | | | |
| J8 | 6510007900 | CONNECTOR | TBP-P01X-A1 | | | |
| J9 | 6510007900 | CONNECTOR | TBP-P01X-A1 | | | |
| J10 | 6510007900 | CONNECTOR | TBP-P01X-A1 | | | |
| W16 | 7030003860 | S.JUMPER | ERJ3GE JPW V | | | |
| W17 | 7030003860 | S.JUMPER | ERJ3GE JPW V | | | |
| W18 | 7120000010 | JUMPER | JPW 02A | | | |
| WS1 | 8600035640 | OTHER | P01×J04PL | | | |
| 1 1 | | | | | | |
| WS2 | 8970022451 | OTHER | (3)/PL [EUR], [USA] | | | |
| ws ₃ | 8970022452 8970022840 | OTHER OTHER | (3)/PL [FRA], [DEN] (1)/PL [EUR], [FRA] | | | |
| ***33 | 8970022840 | OTHER | (1)/PL [EUR], [FRA] (1)/PL [DEN], [USA] | | | |
| | 03/0022040 | OTHER | (TIFF E (DEN), [OSA] | | | |
| EP1 | 0910048506 | РСВ | B 4918F | | | |
| EP2 | 9001602001 | TUBE | 0.7 (d) L=10 (mm) | | | |
| EP3 | 9068000100 | TUBE | 5 (d) L=10 (mm) | | | |
| EP4 | 9001602001 | TUBE | 0.7 (d) L=10 (mm) | | | |
| EP5 | 9034701901 | TUBE | 0.7 (d) L=20 (mm) | | | |
| EP6 | 9036505001 | TUBE | 0.7 (d) L=20 (mm) | | | |
| EP7 | 6910000630 | BEAD | FSOH070RN [EUR], [USA] | | | |
| | 9025608001 | TUBE | 1 (d) L=7 (mm) [FRA], [DEN] | | | |

[PA UNIT]

| REF NO. | ORDER NO. | DES | CRIPTION |
|------------|--------------|--------------|----------------|
| Q1 | 1560000960 | S.FET | 2SK2596BXTL |
| Q4 | 1590002260 | TRANSISTOR | MRF5015 |
| Q5 | 1590001940 | S.TRANSISTOR | DTC144EE TL |
| Q6 | 1510000510 | S.TRANSISTOR | 2SA1576 T107 R |
| Q7 | 1590001940 | S.TRANSISTOR | DTC144EE TL |
| Q11 | 1590001940 | S.TRANSISTOR | DTC144EE TL |
| Q12 | 1590001870 | S.TRANSISTOR | DTA114EE TL |
| Q14 | 1590002310 | S.TRANSISTOR | DTC114EE TL |
| Q16 | 1590002360 | TRANSISTOR | MRF581 |
| Q17 | 1590001940 | S.TRANSISTOR | DTC144EE TL |
| Q20 | 1590001940 | S.TRANSISTOR | DTC144EE TL |
| Q21 | 1590001870 | S.TRANSISTOR | DTA114EE TL |
| Q22 | 1590001940 | S.TRANSISTOR | DTC144EE TL |
| Q23 | 1590001870 | S.TRANSISTOR | DTA114EE TL |
| Q27 | 1580000630 | S.FET | 3SK228XR-TL |
| Q28 | 1590001940 | S.TRANSISTOR | DTC144EE TL |
| Q29 | 1590001940 | S.TRANSISTOR | DTC144EE TL |
| Q30 | 1590001940 | S.TRANSISTOR | DTC144EE TL |
| Q35 | 1590002310 | S.TRANSISTOR | DTC114EE TL |
| Q36 | 1590001870 | S.TRANSISTOR | DTA114EE TL |
| Q39 | 1530002060 | S.TRANSISTOR | 2SC4081 T107 R |
| Q40 | 1520000450 | S.TRANSISTOR | 2SB1132 T100 Q |
| Q41 | 1530000880 | TRANSISTOR | 2SC2694 |

[PA UNIT]

| LPA UN | _ | | |
|------------|--------------------------|----------------------------|---|
| REF NO. | ORDER NO. | | DESCRIPTION |
| Q42 | 1530000880 | TRANSISTOR | 2SC2694 |
| Q43 Q44 | 1530000880 1540000560 | TRANSISTOR S.TRANSISTOR | 2SC2694 2SD1221-Y (TE16L) |
| Q45 | 1540000200 | TRANSISTOR | 2SD1406 Y |
| Q46 | 1590001870 | S.TRANSISTOR | DTA114EE TL |
| Q47 | 1530002060 | S.TRANSISTOR | 2SC4081 T107 R |
| D1 | 1160000140 | S.DIODE | DAP222 TL |
| D2 | 1720000360 | S.DIODE | HSU88TRF |
| D3 | 1720000360 | S.DIODE | HSU88TRF |
| D4 D11 | 1710000310 1160000140 | DIODE S.DIODE | MI407 DAP222 TL |
| D12 | 1790000700 | DIODE | DSA3A1 |
| D13 | 1790000700 | DIODE | DSA3A1 |
| D14 D15 | 1710000290 1710000290 | DIODE DIODE | MI308 MI308 |
| D18 | 1750000520 | S.DIODE | DAN222TL |
| D19 D20 | 1720000540 1790000620 | S.VARICAP S.DIODE | HVM17-01TR MA77 (TW) |
| D20 | 1720000540 | S.VARICAP | HVM17-01TR |
| D22 | 1790000620 | S.DIODE | MA77 (TW) |
| D23 D24 | 1790000450 1710000290 | S.DIODE DIODE | MA862 (TX) MI308 |
| D25 | 1790000710 | VARISTOR | MA29B |
| D26 | 1790000710 | VARISTOR | MA29B |
| D27 D28 | 1790000710 1750000520 | VARISTOR S.DIODE | MA29B DAN222TL |
| D29 | 1730000320 | S.ZENER | RD5.6M-T2B2 |
| D31 | 1720000540 | S.VARICAP | HVM17-01TR |
| D32 D33 | 1790000710 1720000540 | VARISTOR S.VARICAP | MA29B HVM17-01TR |
| D35 | 1790000340 | S.DIODE | MA77 (TW) |
| | | | |
| L3 | 6140002220 | COIL | LR-270 (TR6X3X2 3A9) LR-322B |
| L5 L8 | 6140003040 6140003370 | COIL | LR-378 |
| L9 | 6140002030 | COIL | LR-230 (SK-10M-15Y 120) |
| L10 L11 | 6110001670 6110001660 | COIL | LA-253 LA-252 |
| L12 | 6110001670 | COIL | LA-253 |
| L14 | 6200004740 | S.COIL | NL 252018T-1R2J |
| L16 L17 | 6110001740 6110001670 | COIL | LA-263 LA-253 |
| L18 | 6110001670 | COIL | LA-253 |
| L19 | 6110001670 | COIL | LA-253 |
| L33 L37 | 6200004740 6200003950 | S.COIL S.COIL | NL 252018T-1R2J HF50ACC 322513-T |
| L41 | 6200003590 | S.COIL | EXCCL3225U1 |
| L42 L45 | 6180000900 6140000610 | COIL | LAL 03NA 101K LR-83 |
| L45 | 6140003350 | COIL | LR-376 |
| L50 | 6910003570 | COIL | 2943-666663 |
| L51 L52 | 6910003570 6200005010 | COIL S.COIL | 2943-666663 NL 252018T-100J |
| L53 | 6200005010 | S.COIL | NL 252018T-100J |
| L60 | 6150002810 | COIL | LS-291 |
| L61 L62 | 6200003710 6150002810 | S.COIL COIL | NL 252018T-2R7J LS-291 |
| L63 | 6200004740 | S.COIL | NL 252018T-1R2J |
| L64 | 6200004740 | S.COIL | NL 252018T-1R2J |
| L77 L78 | 2040000490 2040000490 | COIL | EXC-ELDR25C EXC-ELDR25C |
| L79 | 6200003950 | S.COIL | HF50ACC 322513-T |
| L80 | 6180000810 | COIL | LAL 03NA 2R2M |
| L81 L82 | 6110003270 2040000490 | COIL | LA-521 EXC-ELDR25C |
| L83 | 2040000490 | COIL | EXC-ELDR25C |
| L86 | 6200004740 | S.COIL | NL 252018T-1R2J |
| L87 L88 | 6200004740 6200004740 | S.COIL S.COIL | NL 252018T-1R2J NL 252018T-1R2J |
| L89 | 6200004740 | S.COIL | NL 252018T-1R2J |
| L91 | 6200003950 6170000230 | S.COIL COIL | HF50ACC 322513-T LW-25 |
| L92 L93 | 6200003590 | S.COIL | HF50ACC 322513-T |
| R1 | 7030003420 | S.RESISTOR | ERJ3GEYJ 681 V (680 Ω) |
| R2 R3 | 7030003480 7030003320 | S.RESISTOR S.RESISTOR | ERJ3GEYJ 222 V (2.2 kΩ) ERJ3GEYJ 101 V (100 Ω) |
| R4 | 7030003320 | S.RESISTOR | ERJ1WYJ4R7H (4.7 Ω) |
| R6 | 7310003240 | TRIMMER | EVN-2ACA00 B23 (202) |
| R7 | 7030003460 | S.RESISTOR | ERJ3GEYJ 152 V (1.5 kΩ) |

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| R144 7030006130 S.RESISTOR ERJ1WYJ100H (10 Ω) C170 4030011790 S.CERAMIC GRM44-1 Y5V 684Z 100PT R145 7030006130 S.RESISTOR ERJ1WYJ100H (10 Ω) C171 4030011260 S.CERAMIC GRM42-6 W5R 102K 500PT | IPA UI | PA UNIT] [PA UNIT] | | | | | | | |
|--|--------|--------------------|------------|---------------------------------------|-----|------|------------|--------------|------------------------|
| Topococcion Figure Topococcion Figure Topococcion Figure Topococcion Figure Topococcion Figure Topococcion Figure Topococcion Figure Topococcion Figure Topococcion Figure F | | | | DESCRIPTION | | _ | | | DESCRIPTION |
| | B8 | 7030003480 | S.RESISTOR | EBJ3GEYJ 222 V (2.2 kΩ) | Ιſ | C29 | 4030011260 | S.CERAMIC | GRM42-6 W5R 102K 500PT |
| 17390005510 S. FESISTOR FLAGECY 138 V 15 Mills | | | | , , | | | | | GRM42-6 W5R 102K 500PT |
| \$180 7500003400 \$18581570 | | | | | | C35 | 4030011040 | S.CERAMIC | GRM42-6 CK 020C 500PT |
| 1,000,000,000,000,000,000,000,000,000,0 | | | | ERJ3GEYJ 102 V (1 kΩ) | | C36 | 4030011180 | S.CERAMIC | |
| | | | S.RESISTOR | ERJ3GEYJ 392 V (3.9 kΩ) | | C37 | 4030011080 | | |
| Topogosope S. PERISTOR ERUSGEY 33 V (33 N) C14 4000011170 S. CERAMIC C1609 LB 11 H026-TA T4700000000 S. PERISSTOR ERUSGEY 322 V (33 AG) C14 4000000000 S. PERISSTOR ERUSGEY 322 V (33 AG) C14 4000000000 S. PERISSTOR ERUSGEY 322 V (33 AG) C16 4000000000 S. PERISSTOR ERUSGEY 322 V (33 AG) C16 4000000000 S. PERISSTOR ERUSGEY 322 V (33 AG) C16 4000000000 S. PERISSTOR ERUSGEY 322 V (33 AG) C16 40000000000 S. PERISSTOR ERUSGEY 322 V (32 AG) C16 40000000000 S. PERISSTOR ERUSGEY 322 V (32 AG) C16 40000000000 S. PERISSTOR ERUSGEY 322 V (32 AG) C17 40000000000 S. PERISSTOR ERUSGEY 322 V (32 AG) C17 40000000000 S. PERISSTOR ERUSGEY 322 V (32 AG) C17 40000000000 S. PERISSTOR ERUSGEY 322 V (32 AG) C17 40000000000 S. PERISSTOR ERUSGEY 322 V (32 AG) C17 40000000000 S. PERISSTOR ERUSGEY 322 V (32 AG) C17 40000000000 S. PERISSTOR ERUSGEY 322 V (32 AG) C17 40000000000 S. PERISSTOR ERUSGEY 320 V (32 AG) C17 4000000000 S. PERISSTOR ERUSGEY 320 V (32 AG) C17 4000000000 S. PERISSTOR ERUSGEY 320 V (32 AG) C17 4000000000 S. PERISSTOR ERUSGEY 320 V (32 AG) C17 4000000000 S. PERISSTOR ERUSGEY 320 V (32 AG) C17 4000000000 S. PERISSTOR ERUSGEY 320 V (32 AG) C17 40000000000 S. PERISSTOR ERUSGEY 320 V (32 AG) C17 40000000000 S. PERISSTOR ERUSGEY 320 V (32 AG) C17 40000000000 S. PERISSTOR ERUSGEY 320 V (32 AG) C17 40000000000 S. PERISSTOR ERUSGEY 320 V (32 AG) C17 40000000000 S. PERISSTOR ERUSGEY 320 V (32 AG) C17 40000000000 S. PERISSTOR ERUSGEY 320 V (32 AG) C17 40000000000 S. PERISSTOR ERUSGEY 320 V (32 AG) C17 40000000000 S. PERISSTOR ERUSGEY 320 V (32 AG) C17 40000000000 S. PERISSTOR ERUSGEY 320 V (32 AG) C17 40000000000 S. PERISSTOR ERUSGEY 320 V (32 AG) C17 400000000000 S. PERISSTOR ERUSGEY 320 V (32 AG) C17 400000000000 S. PERISSTOR ERUSGEY 320 V (32 AG) C17 40 | R20 | 7030003440 | S.RESISTOR | ERJ3GEYJ 102 V (1 kΩ) | | | | | |
| 1933 700000500 S.RESISTOR E.R.JSGEY J. 32 V. (3.3 Mz) C.41 400007080 S.CERAMIC C.1606.0 E.R.JSGEY J. 32 V. (3.3 Mz) C.42 400000680 S.CERAMIC C.1606.0 E.R.JSGEY J. (3.2 V. (3.3 Mz) C.42 400006880 S.CERAMIC C.1606.0 E.R.JSGEY J. (3.2 V. (3.3 Mz) C.42 400006880 S.CERAMIC C.1606.0 E.R.JSGEY J. (3.2 V. (3.3 Mz) C.42 400006880 S.CERAMIC C.1606.0 E.R.JSGEY J. (3.2 V. (3.3 Mz) C.42 400006880 S.CERAMIC C.1606.0 E.R.JSGEY J. (3.2 V. (3.3 Mz) C.42 400006880 S.CERAMIC C.1606.0 E.R.JSGEY J. (3.2 V. (3.3 Mz) C.42 400006880 S.CERAMIC C.1606.0 E.R.JSGEY J. (3.2 V. (3.3 Mz) C.42 400006880 S.CERAMIC C.1606.0 E.R.JSGEY J. (3.2 V. (3.3 Mz) C.42 400001600 S.CERAMIC C.1606.0 E.R.JSGEY J. (3.2 V. (3.3 Mz) C.42 400001600 S.CERAMIC C.1606.0 E.R.JSGEY J. (3.2 V. (3.3 Mz) C.42 400001600 S.CERAMIC C.1606.0 E.R.JSGEY J. (3.2 V. (3.3 Mz) C.42 400001600 S.CERAMIC C.1606.0 E.R.JSGEY J. (3.2 V. (3.3 Mz) C.42 400001600 S.CERAMIC C.1606.0 E.R.JSGEY J. (3.2 V. (3.3 Mz) C.42 400001600 S.CERAMIC C.1606.0 E.R.JSGEY J. (3.2 V. (3.3 Mz) C.42 400001600 S.CERAMIC C.1606.0 E.R.JSGEY J. (3.2 V. (3.3 Mz) C.10 Mz 400001600 S.CERAMIC C.1606.0 E.R.JSGEY J. (3.2 V. (3.3 Mz) C.1606.0 E.R.JSGEY | R21 | 7030007990 | S.RESISTOR | ERJ12YJ820H (82 Ω) | 1 | | | | |
| 1934 1700000300 1875 1870 1 | | | | | | | | | |
| 1700000640 Resistror S. 10.012 D D D D D D D D D D | | | | ` , | | | | | |
| 1985 7030003690 S.PESISTOR EPAGEY 132 V. (13 Mz) C66 4030006890 S.CERAMIC C1698 JB 11 102K-T-A A A A A A A A A A | | 1 | | | l | | | | |
| 1877 7.000003600 R. SERSITOR R. SERS | | I | 1 | | | | | | |
| RSSON_RESISTOR | | | | | | | | | 1 |
| PASS 1709000240 S. RESISTOR PRIJACETY 182 V (1.8 Mz) C70 A30001600 S. CERAMIC C1068 JB 14 TOMKTA PASS C709000240 S. RESISTOR MCHUEZHJ 69 12 (680) C71 A30011600 S. CERAMIC C1068 JB 16 TOMKTA C709000240 S. RESISTOR MCHUEZHJ 69 12 (680) C72 A30011600 S. CERAMIC C1068 JB 16 TOMKTA C709000240 S. RESISTOR MCHUEZHJ 69 12 (680) C72 A30011600 S. CERAMIC C1068 JB 16 TOMKTA C709000240 S. RESISTOR MCHUEZHJ 69 12 (680) C75 A30011600 S. CERAMIC C1068 JB 16 TOMKTA C709000240 S. RESISTOR ERJUTYJ100H (10.0) C75 A30011600 S. CERAMIC C1068 JB 16 TOMKTA C709000240 S. RESISTOR ERJUTYJ100H (10.0) C75 A30011600 S. CERAMIC C1068 JB 16 TOMKTA C709000240 S. RESISTOR ERJUTYJ100H (10.0) C75 A30011600 S. CERAMIC C1068 JB 16 TOMKTA C7090002400 S. RESISTOR ERJUTYJ100H (10.0) C75 A30011600 S. CERAMIC C1068 JB 16 TOMKTA C7090000240 S. RESISTOR ERJUTYJ100H (10.0) C75 A30011600 S. CERAMIC C1068 JB 16 TOMKTA C7090000240 S. RESISTOR ERJUTYJ100H (10.0) C75 A30011600 S. CERAMIC C1068 JB 16 TOMKTA C7090000240 S. RESISTOR ERJUTYJ100H (10.0) C75 A30011600 S. CERAMIC C1068 JB 16 TOMKTA C7090000240 S. RESISTOR ERJUTYJ100H (10.0) C75 A30011600 S. CERAMIC C1068 JB 16 TOMKTA C7090000240 S. RESISTOR ERJUTYJ100H (10.0) C75 A30011600 S. CERAMIC C1068 JB 16 TOMKTA C7090000240 S. RESISTOR ERJUTYJ100H (10.0) C75 A30011600 S. CERAMIC C1068 JB 16 TOMKTA C7090000240 S. RESISTOR ERJUTYJ100H (10.0) C75 A30011600 S. CERAMIC C1068 JB 16 TOMKTA C70900000240 S. RESISTOR ERJUTYJ100H (10.0) C75 A30000000240 S. RESISTOR ERJUTYJ100H (10.0) C75 A30000000250 S | | | | | l I | | | | |
| 17390003400 S. RESISTOR MCHOEZH 89 1 (800) C71 490011600 S. CERAMIC C1088 JB 1C 104KT-N A00011600 S. | | | | | | | 1 | | |
| R45 | | | b | | 1 | - | 1 | | |
| Ref 7/39000240 S. RESISTOR ERJSGEV SEV (26.5 M) C72 4930011600 S. CERAMIC C1686 JB IC 104KT-N R50 7/390008000 S. RESISTOR ERJSGEV SEV (26.5 M) C73 4930011600 S. CERAMIC C1686 JB IC 104KT-N R51 R | | 1 | | | | | | | |
| Page 17000005800 S. RESISTOR FR. P. | | | 1 | ` ' | ll | | | S.CERAMIC | C1608 JB 1C 104KT-N |
| R50 | | | | ` ' | ll | C73 | 4030011600 | S.CERAMIC | C1608 JB 1C 104KT-N |
| R54 7030006800 S. RESISTOR FILIPLY/JION (10 0) C77 4030011600 S. CERAMIC C1608 JB 1C 104KT-N A030011600 S. CERAMIC C1608 JB 1C 104KT-N C1608 JB 1C 104KT | | | | ERJ1WYJ3R3H (3.3 Ω) | | C75 | 4030011600 | | C1608 JB 1C 104KT-N |
| Past | R51 | 7030006060 | S.RESISTOR | ERJ12YJ100H (10 Ω) | | C76 | 4030011600 | | |
| SAME 7300003500 S.RESISTOR ENJINYJUARTH (4.7 0) C81 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C81 C1008 JB 1C 104KT-N C | R53 | 7030006060 | S.RESISTOR | | 1 1 | | | | |
| BST 7309003590 S.RESISTOR ERJSEFV 103 V (10 Kg) C82 | | | | | | | | | |
| R82 7030003500 S.RESISTOR ERJSGEY J 10 Y (10 KQ) C81 4510004600 S.CERAMIC I MV (100 KG) R73 7030003500 S.RESISTOR ERJSGEY J 31 Y (130 KG) C83 4030006800 S.CERAMIC C1608 JB 1C 478K-TA C1608 JB 1C 404K-TA C16 | | | | | | | 1 | | |
| Fig. 2 | | | | | | | | | |
| 1739,0003380 S. RESISTOR ERJ3GEV, 139 V (15.0) C83 | | | | | | | | | |
| 1724 70300003200 S. RESISTOR ERJISGEV 1150 V (15 0V) (| | | | , , | | | 1 | | * |
| R89 | | | | , , , | | | | ľ | |
| R99 | | 1 ' | | · · · · · · · · · · · · · · · · · · · | li | | | | |
| 1909 | | | | | ΙI | | ľ | (| |
| P91 | | | | • | ΙI | | | | 16 MV 470 HC |
| Page | | i . | | | l I | C92 | 4510004590 | ELECTROLYTIC | 16 MV 470 HC |
| 1995 | | | | ERJ3GEYJ 104 V (100 kΩ) | 1 | C93 | 4030008920 | S.CERAMIC | C1608 JB 1C 473K-T-A |
| Page 7030003440 S.RESISTOR ERJ3GEY J 102 V (1 kD) C105 4030010690 S.CERAMIC C1608 JB H 102K-T-A C1608 JB H 102K-T- | R93 | 7030003680 | S.RESISTOR | ERJ3GEYJ 104 V (100 kΩ) | | | | | |
| Page 7030003380 S.RESISTOR ERJ3GEV J 104 V (100 ki) C105 4030006860 S.CERAMIC C1608 JB IH 102K-T-A | | | 1 | | | | | | |
| Page 7030003470 Page P | 1 | | 1 | | | | | | |
| 1999 7030003490 S. RESISTOR ER. 13GEV 1 (10 V (10 0 M) C112 4030006860 S. CERAMIC C1608 JB 11 102K-T-A 4030006860 | | | | • • • | ΙI | | | | |
| P100 7030003580 S.RESISTOR ERJ3GEY J 103 V (100 kD) C112 4030001680 S.CERAMIC C1609 JB 1H 102K-T-A C1609 JB 1H 102K-T- | | | | | ΙI | | | | |
| R102 7030003680 S.RESISTOR ERJ3GEY J 104 V (100 kΩ) C115 403001680 S.CERAMIC C1609 JB 1C 104KT-N C1609 JB 1C 104K | ľ | | | , , , | 1 | | | | |
| R102 7030003880 S.RESISTOR ERJ3GEY J 104 V (100 kD) C116 403001860 S.CERAMIC GRM44-1 SL 682 J 200PT GRM | | 1 | 1 | | 1 | | 1 | | |
| R103 7030003400 S. RESISTOR ERJ3GEV J 104 V (100 kΩ) C117 4030011760 S. CERAMIC GRM44-1 SL 682J 200PT R106 7030003290 S. RESISTOR ERJ3GEV J 471 V (470 Ω) C128 4030011600 S. CERAMIC C1608 JB 1C 104KT-N C1608 JB 1C 104KT-N C1700003400 S. RESISTOR ERJ3GEV J 391 V (390 Ω) C128 4030011600 S. CERAMIC C1608 JB 1C 104KT-N C1700003400 S. RESISTOR ERJ3GEV J 391 V (390 Ω) C128 403001600 S. CERAMIC C1608 JB 1C 104KT-N C1700003400 S. RESISTOR ERJ3GEV J 221 V (220 Ω) C131 4030006800 S. CERAMIC C1608 JB 1H 472K-T-A C1700003400 S. RESISTOR ERJ3GEV J 221 V (220 Ω) C131 4030006800 S. CERAMIC C1608 JB 1H 472K-T-A C1700003400 S. RESISTOR ERJ3GEV J 221 V (220 Ω) C130 4030006800 S. CERAMIC C1608 JB 1H 472K-T-A C1700003400 S. RESISTOR ERJ3GEV J 221 V (220 Ω) C130 4030006800 S. CERAMIC C1608 JB 1H 472K-T-A C1700003400 S. RESISTOR ERJ3GEV J 221 V (220 Ω) C130 4030001600 S. MICA UC342H 4700J-T C17000003400 TRIMMER EVN-2ACA00 B23 (202) C143 4030011600 S. CERAMIC C1608 JB 1C 104KT-N C1700003400 S. RESISTOR ERJ3GEV J 221 V (220 Ω) C130 4030001600 S. CERAMIC C1608 JB 1C 104KT-N C1700003400 S. RESISTOR ERJ3GEV J 222 V (22 KΩ) C164 4030011600 S. CERAMIC C1608 JB 1C 104KT-N C1600 | | | | • : | | | 1 | | |
| R105 7030003490 S.RESISTOR ERJ3GEVJ 471 V (470 Ω) C126 4030011600 S.CERAMIC GRM44-1 SL 682J 200PT R105 7030003390 S.RESISTOR ERJ3GEVJ 391 V (390 Ω) C126 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C1608 JB 1C 1 | | | | | | | | S.CERAMIC | GRM44-1 SL 682J 200PT |
| R107 7030003390 S.RESISTOR ERJ3GEYJ 391 V (390 Ω) C128 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C1608 JB 1C 104KT | | | | ERJ3GEYJ 471 V (470 Ω) | 1 1 | C118 | 4030011760 | | GRM44-1 SL 682J 200PT |
| R107 7030003400 S.RESISTOR | R105 | 7030003290 | S.RESISTOR | ERJ3GEYJ 560 V (56 Ω) | l | | | 1 | |
| R126 | R106 | | | ` ' | | | | | |
| R129 7030003240 R139 7030003280 R136EY) 221 V (220 Ω) C138 4320001050 S. MICA UC342H 3900J-T S. MICA UC342H 4700J-T S. MICA UC342H 3900J-T S. MICA UC342H 4700J-T S. MICA UC342 | | | - | | | | I . | | |
| R129 7030003800 S.RESISTOR ERJ3GEYJ 221 V (220 Ω) C139 4320001050 S.MICA UC342H 3900J-T | | | | | | | | | |
| R130 | | | | | 1 | | | | |
| R131 7310003240 R132 730006120 R137 730006120 S.RESISTOR ERJIWYJ4R7H (4.7 Ω) C144 4030011600 S.CERAMIC C1608 JB 1C 104KT-N R136 7510000070 THERMISTOR ERT-D2FHL 503S C145 4030011600 S.CERAMIC C1608 JB 1C 104KT-N R136 7510000070 THERMISTOR ERT-D2FHL 503S C145 4030011600 S.CERAMIC C1608 JB 1C 104KT-N R138 7030003400 S.RESISTOR ERJIGEYJ 122 V (1.2 kΩ) C158 4030011600 S.CERAMIC C1608 JB 1C 104KT-N R138 7030003400 S.RESISTOR ERJIGEYJ 122 V (1.2 kΩ) C158 4030011600 S.CERAMIC C1608 JB 1C 104KT-N R140 7030003400 S.RESISTOR ERJIGEYJ 102 V (1 kΩ) C158 4030011600 S.CERAMIC C1608 JB 1C 104KT-N R141 7030003400 S.RESISTOR ERJIGEYJ 102 V (1 kΩ) C158 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C1608 JB | | | | | | | | | 5. 5. |
| R132 7030006120 S.RESISTOR ERJ1WYJAR7H (4.7 Ω) C144 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C145 C1608 JB 1C 104KT-N C1608 JB 1C 104KT-N C146 C1608 JB 1C 104KT-N C1608 JB | | 1 | 1 | ` , | 1 1 | | | | |
| R135 | | | | ` ' | | | | | |
| R136 | | | I | , , | | | | | |
| R137 7030003670 S.RESISTOR ERJ3GEYJ 823 V (82 kΩ) C158 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C167 A03001360 S.RESISTOR ERJ3GEYJ 102 V (1.2 kΩ) C158 A030011600 S.CERAMIC C1608 JB 1C 104KT-N C168 C169 JB 1C 104KT-N C169 J | | 1 | I | ERT-D2FHL 503S | ļ | | 1 | | |
| R139 | | l . | 1 | 1 | | | | | |
| R140 7030007360 S.RESISTOR ERJ1WYJ470H (47 Ω) C161 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C167 4030011790 S.CERAMIC GRM44-1 Y5V 684Z 100PT C168 4010006900 CRRAMIC GRM44-1 Y5V 684Z 100PT C168 4010006900 C170 C169 C16 | B | 1 | | | | | | | |
| R141 | | 1 | | | | | | | |
| R142 703006120 S.RESISTOR ERJ1WYJ4R7H (4.7 Ω) C168 4010006900 CERAMIC GRM42-6 W5R 102K 500PT C169 4030011260 S.CERAMIC GRM42-6 W5R 102K 500PT C170 C169 C170 C | | | | | | | | | |
| R143 7030006120 S.RESISTOR ERJ1WYJAR7H (4.7 Ω) C169 4030011260 S.CERAMIC GRM42-6 W5R 102K 500PT C170 4030011790 S.CERAMIC GRM44-1 Y5V 684Z 100PT C171 4030011260 S.CERAMIC GRM42-6 W5R 102K 500PT C171 4030011260 S.CERAMIC GRM44-1 Y5V 684Z 100PT C171 4030011260 S.CERAMIC GRM42-6 W5R 102K 500PT C172 4030011260 S.CERAMIC GRM44-1 Y5V 684Z 100PT GRM42-6 W5R 102K 500PT C172 4030011260 S.CERAMIC GRM44-1 Y5V 684Z 100PT GRM42-6 W5R 102K 500PT C172 4030011260 S.CERAMIC GRM44-1 Y5V 684Z 100PT GRM44-1 Y5V | | | | | 1 | | | 1 | |
| R144 7030006130 S.RESISTOR ERJ1WYJ100H (10 Ω) C170 4030011790 S.CERAMIC GRM44-1 Y5V 684Z 100PT R145 7030008330 S.RESISTOR ERJ1WRQJR33U C172 4030011260 S.CERAMIC GRM42-6 W5R 102K 500PT C172 4030011260 S.CERAMIC GRM42-6 W5R 102K 500PT C173 4030011790 S.CERAMIC GRM44-1 Y5V 684Z 100PT C174 4030011260 S.CERAMIC GRM44-1 Y5V 684Z 100PT C175 4030011790 S.CERAMIC GRM44-1 Y5V 684Z 100PT C176 4030011790 S.CERAMIC GRM42-6 W5R 102K 500PT C176 4030011790 S.CERAMIC GRM42-6 W5R 102K 500PT C176 4030011790 S.CERAMIC C1608 JB 1H 102K-T-A | | | I | ` , | 1 | | E . | | GRM42-6 W5R 102K 500PT |
| R145 7030006130 S.RESISTOR ERJ1WYJ100H (10 Ω) C171 4030011260 S.CERAMIC GRM42-6 W5R 102K 500PT C172 4030011260 S.CERAMIC GRM42-6 W5R 102K 500PT C173 4030011260 S.CERAMIC GRM44-1 Y5V 684Z 100PT C179 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C1608 | | | I | | | | 1 | | |
| R146 7030008330 S.RESISTOR ERJ1WRQJR33U C172 4030011260 S.CERAMIC GRM42-6 W5R 102K 500PT C173 4030011260 S.CERAMIC GRM44-1 Y5V 684Z 100PT C179 | | II. | | • • | 1 | | | | GRM42-6 W5R 102K 500PT |
| R148 7030008330 S.RESISTOR ERJ1WRQJR33U C173 4030011790 S.CERAMIC C1608 JB 1H 102K-T-A C1608 JB | | | I | , , | | | 1 | | GRM42-6 W5R 102K 500PT |
| R152 7030003440 S.RESISTOR ERJ3GEYJ 102 V (1 kΩ) C179 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C180 | | 1 | | | | | | | |
| R154 7030003460 S.RESISTOR ERJ3GEYJ 152 V (1.5 kΩ) C188 403006860 S.CERAMIC C1608 JB 1H 102K-T-A R155 7030003520 S.RESISTOR ERJ3GEYJ 224 V (220 kΩ) C190 4030006850 S.CERAMIC C1608 JB 1H 102K-T-A | R152 | 1 | | • • | | | | j . | |
| R155 7030003520 S.RESISTOR ERJ3GEYJ 472 V (4.7 kΩ) R156 7030003720 S.RESISTOR ERJ3GEYJ 224 V (220 kΩ) C190 4030006850 S.CERAMIC C1608 JB 1H 471K-T-A C190 C | | | | | | | 1 | | |
| R156 7030003720 S.RESISTOR ERJ3GEYJ 224 V (220 kΩ) R157 7030007630 S.RESISTOR MCR100JZHJ 0.68 Ω (R68) R159 7030004050 S.RESISTOR ERJ3GEYJ 1R0 V (1 Ω) C194 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C195 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C196 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C196 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C196 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C197 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C197 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C198 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C199 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C160 | | | | , , | | | | 1 | |
| R157 7030007630 S.RESISTOR MCR100JZHJ 0.68 Ω (R68) R158 7030007630 S.RESISTOR MCR100JZHJ 0.68 Ω (R68) R159 7030004050 S.RESISTOR ERJ3GEYJ 1R0 V (1 Ω) C195 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C196 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C197 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C198 C199 | 1 | | | | | | 1 | | |
| R158 7030007630 S.RESISTOR MCR100JZHJ 0.68 Ω (R68) 7030004050 S.RESISTOR ERJ3GEYJ 1R0 V (1 Ω) C195 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A C196 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C197 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C197 | | | | | | | 1 | | |
| R159 7030004050 S.RESISTOR ERJ3GEYJ 1R0 V (1 Ω) C196 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A C196 403006860 S.CERAMIC C1608 JB 1H 102K-T-A C197 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C197 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C198 | | | | , , | | | 4 | | |
| C1 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C26 4030011200 S.CERAMIC C1608 JB 1C 104KT-N C27 403001180 S.CERAMIC GRM42-6 CH 220J 500PT C27 4030006180 S.CERAMIC GRM42-6 CH 220J 500PT C20 4030006980 S.CERAMIC C1608 JB 1H 102K-T-A C198 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C198 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C199 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C200 4030006850 S.CERAMIC C1608 JB 1H 471K-T-A C201 4030006980 S.CERAMIC C1608 JB 1H 471K-T-A C201 4030006980 S.CERAMIC C1608 CH 1H 070D-T-A | | | | | | | 1 | | |
| C1 | 11108 | , 000004000 | J.MEGIGTON | E1100GE10 1110 ¥ (1 12) | | | | | |
| C4 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C198 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C199 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C199 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C199 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C199 4030006850 S.CERAMIC C1608 JB 1H 102K-T-A C199 4030006850 S.CERAMIC C1608 JB 1H 471K-T-A C199 4030006980 S.CERAMIC C1608 JB 1H 471K-T-A C199 4030006980 S.CERAMIC C1608 CH 1H 070D-T-A C199 4030006980 S.CERAMIC C1608 JB 1H 102K-T-A C199 4030006860 S.CERAMIC C1 | C1 | 4030011600 | S.CERAMIC | C1608 JB 1C 104KT-N | | | | | |
| C7 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C199 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C26 4030011200 S.CERAMIC GRM42-6 CH 300J 500PT C200 4030006850 S.CERAMIC C1608 JB 1H 471K-T-A C27 4030011180 S.CERAMIC GRM42-6 CH 220J 500PT C201 4030006980 S.CERAMIC C1608 CH 1H 070D-T-A | | | | | | | | b . | |
| C27 4030011180 S.CERAMIC GRM42-6 CH 220J 500PT C201 4030006980 S.CERAMIC C1608 CH 1H 070D-T-A | | 1 | | C1608 JB 1C 104KT-N | | | | 1 | |
| | | | | | | | | | |
| C28 4030011180 S.CERAMIC GHM42-6 CH 220J 500PT C204 4030006860 S.CERAMIC C1608 JB 1H 102K-1-A | | 1 | 1 | | | | III | | |
| | C28 | 4030011180 | S.CERAMIC | GRM42-6 CH 220J 500PT | ا ل | C204 | 4030006860 | S.CERAMIC | |

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|--------------|--------------------------|------------------------|---|--|--|--|
| REF NO. | ORDER NO. | DESCRIPTION | | | | |
| C205 | 4030006860 | S.CERAMIC | C1608 JB 1H 102K-T-A | | | |
| C206 | 4030006860 | S.CERAMIC | C1608 JB 1H 102K-T-A | | | |
| C225 | 4030011600 | S.CERAMIC | C1608 JB 1C 104KT-N | | | |
| C226 | 4030011600 | S.CERAMIC | C1608 JB 1C 104KT-N | | | |
| C227 | 4030011600 | S.CERAMIC | C1608 JB 1C 104KT-N | | | |
| C228 | 4510003910 | ELECTROLYTIC | 16 MV 47 HW C1608 JB 1C 104KT-N | | | |
| C229 C230 | 4030011600 4030011600 | S.CERAMIC S.CERAMIC | C1608 JB 1C 104KT-N | | | |
| C230 | 4030011800 | S.CERAMIC | GRM42-6 CH 470J 500PT | | | |
| C235 | 4030011240 | S.CERAMIC | GRM42-6 CH 101J 500PT | | | |
| C236 | 4030011730 | S.CERAMIC | GRM42-6 CH 101J 500PT | | | |
| C237 | 4030011730 | S.CERAMIC | GRM42-6 CH 101J 500PT | | | |
| C238 | 4030011260 | S.CERAMIC | GRM42-6 W5R 102K 500PT | | | |
| C240 | 4030012480 | S.CERAMIC | GRM42-6 CH 121J 500PT | | | |
| C242 | 4610001580 | TRIMMER | CVD30-41 30P | | | |
| C244 C245 | 4030012480 4030006860 | S.CERAMIC S.CERAMIC | GRM42-6 CH 121J 500PT C1608 JB 1H 102K-T-A | | | |
| C245 | 4030011600 | S.CERAMIC S.CERAMIC | C1608 JB 1C 104KT-N | | | |
| C247 | 4030011600 | S.CERAMIC | C1608 JB 1C 104KT-N | | | |
| C248 | 4030011600 | S.CERAMIC | C1608 JB 1C 104KT-N | | | |
| C250 | 4510003910 | ELECTROLYTIC | 16 MV 47 HW | | | |
| C251 | 4030011600 | S.CERAMIC | C1608 JB 1C 104KT-N | | | |
| C253 | 4030011600 | S.CERAMIC | C1608 JB 1C 104KT-N | | | |
| C255 | 4030011600 | S.CERAMIC | C1608 JB 1C 104KT-N | | | |
| C256 | 4510004590 | ELECTROLYTIC | 16 MV 470 HC C1608 JB 1C 104KT-N | | | |
| C259 | 4030011600 | S.CERAMIC | GRM42-2 CH 201J 500PT | | | |
| C261 C262 | 4030011740 4010005360 | S.CERAMIC CERAMIC | HM11SJ SL 301J 500V | | | |
| C264 | 4030006860 | S.CERAMIC | C1608 JB 1H 102K-T-A | | | |
| C265 | 4030007000 | S.CERAMIC | C1608 CH 1H 090D-T-A | | | |
| C266 | 4030006860 | S.CERAMIC | C1608 JB 1H 102K-T-A | | | |
| C267 | 4030007000 | S.CERAMIC | C1608 CH 1H 090D-T-A | | | |
| C270 | 4030011730 | S.CERAMIC | GRM42-6 CH 101J 500PT | | | |
| C271 | 4030011730 | S.CERAMIC | GRM42-6 CH 101J 500PT | | | |
| C272 | 4030011730 | S.CERAMIC | GRM42-6 CH 101J 500PT | | | |
| C273 | 4030011600 | S.CERAMIC | C1608 JB 1C 104KT-N | | | |
| C274 | 4030011600 | S.CERAMIC S.CERAMIC | C1608 JB 1C 104KT-N C1608 JB 1C 104KT-N | | | |
| C275 C276 | 4010005880 | CERAMIC | HM95SJ SL 271J 500V | | | |
| C278 | 4030006880 | S.CERAMIC | C1608 JB 1H 472K-T-A | | | |
| C279 | 4030011740 | S.CERAMIC | GRM42-2 CH 201J 500PT | | | |
| C281 | 4030011740 | S.CERAMIC | GRM42-2 CH 201J 500PT | | | |
| C283 | 4510003910 | ELECTROLYTIC | 16 MV 47 HW | | | |
| C284 | 4030011600 | S.CERAMIC | C1608 JB 1C 104KT-N | | | |
| C285 | 4030011600 | S.CERAMIC | C1608 JB 1C 104KT-N | | | |
| C287 | 4010005680 | CERAMIC | HM60SJ SL 270J 500V | | | |
| C288 | 4030011600 | S.CERAMIC S.CERAMIC | C1608 JB 1C 104KT-N C1608 JB 1C 104KT-N | | | |
| C289 C290 | 4030011600 4030011600 | S.CERAMIC | C1608 JB 1C 104KT-N | | | |
| C291 | 4030011600 | S.CERAMIC | C1608 JB 1C 104KT-N | | | |
| C292 | 4030011600 | S.CERAMIC | C1608 JB 1C 104KT-N | | | |
| C295 | 4030011600 | S.CERAMIC | C1608 JB 1C 104KT-N | | | |
| C296 | 4010005700 | CERAMIC | HM60SJ SL 330J 500V | | | |
| C297 | 4030011600 | S.CERAMIC | C1608 JB 1C 104KT-N | | | |
| C298 | 4030011600 | S.CERAMIC | C1608 JB 1C 104KT-N | | | |
| C299 | 4030011600 | S.CERAMIC | C1608 JB 1C 104KT-N | | | |
| C300 | 4030011600 | S.CERAMIC S.CERAMIC | C1608 JB 1C 104KT-N C1608 JB 1C 104KT-N | | | |
| C303 C305 | 4030011600 | S.CERAMIC S.CERAMIC | C1608 JB 1C 104KT-N | | | |
| C306 | 4030011000 | S.CERAMIC S.CERAMIC | GRM42-2 CH 201J 500PT | | | |
| C307 | 4030011740 | S.CERAMIC | GRM42-2 CH 201J 500PT | | | |
| C308 | 4030011600 | S.CERAMIC | C1608 JB 1C 104KT-N | | | |
| C309 | 4030011600 | S.CERAMIC | C1608 JB 1C 104KT-N | | | |
| C310 | 4030011600 | S.CERAMIC | C1608 JB 1C 104KT-N | | | |
| C311 | 4030006880 | S.CERAMIC | C1608 JB 1H 472K-T-A | | | |
| C312 | 4030006850 | S.CERAMIC | C1608 JB 1H 471K-T-A | | | |
| C313 | 4030006880 | S.CERAMIC | C1608 JB 1H 472K-T-A C1608 JB 1H 472K-T-A | | | |
| C314 C315 | 4030006880 4030011260 | S.CERAMIC S.CERAMIC | GRM42-6 W5R 102K 500PT | | | |
| 10313 | 4030011260 | 3.CENAMIC | GRIVI42-0 44311 1021 3001 1 | | | |
| | | | | | | |
| RL2 | 6330001060 | RELAY | APQ 3311 | | | |
| RL3 | 6330001430 | RELAY | NA-12W-K | | | |
| | | | | | | |
| CP20 | 6910009670 | S.CHECK P | HK3-S-T | | | |
| CP21 | 6910009670 | S.CHECK P | HK3-S-T | | | |
| | | 1 | | | | |
| F1 | 5210000130 | FUSE | FGB 4A | | | |
| F2 | 5220000020 | HOLDER | S-N5051 | | | |
| F3 | 5220000020 | HOLDER | S-N5051 | | | |
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|------------|--------------------------|-------------|--------------------------|--|--|
| REF NO. | ORDER NO. | | DESCRIPTION | | |
| J1 1 | 6510007020 | CONNECTOR | TMP-J01X-V6 | | |
| J2 | 6510009930 | CONNECTOR | PD054-08M | | |
| J3 | 6510009890 | CONNECTOR | PD054-04M | | |
| J4 | 6510009900 | CONNECTOR | PD054-05M | | |
| J5 | 6510009920 | CONNECTOR | PD054-07M | | |
| J6 | 6510009890 | CONNECTOR | PD054-04M | | |
| J8 | 6450000140 | CONNECTOR | HSJ0807-01-010 | | |
| J11 | 6510007900 | CONNECTOR | TBP-P01X-A1 | | |
| J12 | 6510007900 | CONNECTOR | TBP-P01X-A1 | | |
| J14 | 6510018960 | S.CONNECTOR | B2B-PH-SM3-TB | | |
| J15 | 6510003080 | CONNECTOR | RT01T-1.0B | | |
| J19 | 6510001920 | CONNECTOR | 1490R | | |
| 14/50 | 7100000010 | HIMPED | JPW 02A | | |
| W50 | 7120000010 | JUMPER | JPW 02A | | |
| W51 | 7120000010 | JUMPER | MCR10EZHJ JPW (000) | | |
| W52 | 7030000010 | S.JUMPER | [EÙR], [USA] | | |
| l | 7120000380 | JUMPER | JPW 01 R-01 [FRA], [DEN] | | |
| W53 | 7120000010 | JUMPER | JPW 02A | | |
| | | | | | |
| wcı | 0070000464 | OTHER | (1)/PA | | |
| WS1 WS2 | 8970022461 8600035650 | OTHER | P08PA | | |
| WS3 | 8600035661 | OTHER | P04×J02×04PA-1 | | |
| WS4 | 8600035670 | OTHER | P03×05×J05×06PA | | |
| WS5 | 8970022471 | OTHER | (2)/PA | | |
| WS6 | 8970022471 | OTHER | (2)/PA | | |
| WS7 | 8600035681 | OTHER | J03×19PA-1 | | |
| W3/ | 0000033001 | OHILK | 300X19LV-1 | | |
| | | | | | |
| EP1 | 0910048518 | РСВ | B 4920H | | |
| EP2 | 6910000610 | BEAD | FSOH050RN01 | | |
| EP5 | 6910000610 | BEAD | FSOH050RN01 | | |
| EP6 | 6910000610 | BEAD | FSOH050RN01 | | |
| EP7 | 6910000610 | BEAD | FSOH050RN01 | | |
| EP14 | 9036505001 | TUBE | 0.7 (d) L=15 (mm) | | |
| EP15 | 9036505001 | TUBE | 0.7 (d) L=15 (mm) | | |
| EP16 | 9036505001 | TUBE | 0.7 (d) L=15 (mm) | | |
| EP17 | 6910000600 | BEAD | FSOH050RN | | |
| EP18 | 6910000600 | BEAD | FSOH050RN | | |
| EP19 | 6910000600 | BEAD | FSOH050RN | | |
| EP20 | 9018970370 | TUBE | 20 (d) L=25 (mm) | | |
| | I | I | | | |

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| REF NO. | ORDER NO. | DES | CRIPTION |
|--|---|---|---|
| IC1 | 1110002700 | S.IC | NJM2904M-T1 |
| Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8 Q9 Q10 | 1530002060 1590002310 1590002310 1590002310 1590002310 1590002310 1590002310 1590002310 1530003090 1590002310 | S.TRANSISTOR S.TRANSISTOR S.TRANSISTOR S.TRANSISTOR S.TRANSISTOR S.TRANSISTOR S.TRANSISTOR S.TRANSISTOR S.TRANSISTOR S.TRANSISTOR S.TRANSISTOR | 2SC4081 T107 R DTC114EE TL DTC114EE TL DTC114EE TL DTC114EE TL DTC114EE TL DTC114EE TL DTC114EE TL DTC114EE TL DTC114EE TL 2SC4213-B (TE85R) DTC114EE TL |
| D1 D2 D3 D4 D5 D6 D7 D8 D9 D10 D11 D12 D13 D14 D15 | 1160000140 1160000140 1160000140 1160000140 1160000140 1160000140 1160000140 11790000490 1790000490 1160000140 1160000140 1160000140 1160000140 1160000140 1160000140 | S.DIODE | DAP222 TL |

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| Fig. ORDER [FILTE | FILTER BOARD] [FILTER BOARD] | | | | | | |
|--|--------|------------------------------|---------|--------------------------|-----|------------|------------|-------------------------|
| 1076 1100000140 S.DIODE DAP222 TL P. P. P. P. P. P. P. P | | | | DESCRIPTION | | | | DESCRIPTION |
| 1989 1990 | D16 | 1160000140 | S.DIODE | DAP222 TL | R15 | 7030003440 | S.RESISTOR | |
| 10900 100000140 S. DIODE DAP222 TL R18 700000340 S. RESISTOR ERASECT VIO VI (100 A) C. DIODE DAP222 TL R28 700000340 S. RESISTOR ERASECT VIO VI (100 A) C. DIODE DAP222 TL R28 700000340 S. RESISTOR ERASECT VIO VI (100 A) C. DIODE DAP222 TL R28 700000340 S. RESISTOR ERASECT VIO VI (100 A) C. DIODE DAP222 TL R28 700000340 S. RESISTOR ERASECT VIO VI (100 A) C. DIODE DAP222 TL R28 700000340 S. RESISTOR ERASECT VIO VI (100 A) C. DIODE DAP222 TL R28 700000340 S. RESISTOR ERASECT VIO VI (100 A) C. DIODE DAP222 TL R28 700000340 S. RESISTOR ERASECT VIO VI (100 A) C. DIODE DAP222 TL R28 700000340 S. RESISTOR ERASECT VIO VI (100 A) C. DIODE DAP222 TL R28 700000340 S. RESISTOR ERASECT VIO VI (100 A) C. DIODE DAP222 TL R28 700000340 S. RESISTOR ERASECT VIO VI (100 A) C. DIODE | D17 | 1160000140 | S.DIODE | DAP222 TL | R16 | 7030003320 | S.RESISTOR | ERJ3GEYJ 101 V (100 Ω) |
| 10000140 S.DIODE DAP222 TL R86 700000360 S.RESISTOR FRASERVI 103 V (10 kg) Part Pa | D18 | 1160000140 | S.DIODE | DAP222 TL | R17 | 7030003440 | S.RESISTOR | ERJ3GEYJ 102 V (1 kΩ) |
| DED | D19 | 1160000140 | S.DIODE | DAP222 TL | R18 | 7030003320 | S.RESISTOR | ERJ3GEYJ 101 V (100 Ω) |
| 100000140 | D20 | 1160000140 | S.DIODE | DAP222 TL | R26 | 7030003560 | S.RESISTOR | ERJ3GEYJ 103 V (10 kΩ) |
| 189000140 S.DIODE DAP222 TL | | | | | | | | , , |
| 140000140 S.DIODE DAP22 TL | | | | | | | | |
| Page | | | | | | | | |
| 1 | D24 | 1160000140 | S.DIODE | DAP222 TL | | | | , , |
| 11 | | | | | | | | |
| 12 | l., | 6110001560 | COII | 14 226 | | | | |
| 180000900 COİL LAL GIRNA 101K R39 7030003440 S.RESISTOR EBJSGEYJ 102 V (1 kt) | | | | | | | | , , |
| Li | | | – | - · · - · · - | | | | |
| 6110002230 COIL | | | | | | | | |
| 6110002220 COIL | | | | 1 | | | | |
| 11 11 12 13 13 13 13 13 | | | i i | | | | | , , , |
| Decomposition Coll. | | | | | R42 | | | |
| 1-10 | | 6180000900 | COIL | LAL 03NA 101K | R43 | 7030003480 | S.RESISTOR | ERJ3GEYJ 222 V (2.2 kΩ) |
| 111 112 640003260 S.COIL | L9 | 6200003260 | S.COIL | NL 322522T-101J | | | | |
| 1.12 620003280 S.COIL | | | | | | | | |
| 1.14 610002800 COIL | | | | | | 1 | | 1 |
| L14 6110002800 COIL | | | | 1 | | | | |
| Coll | | 1 | • | | | | | |
| L16 6200003260 S.COIL | | | | 1 | | | | |
| L17 | | | ł . | | | | | • |
| 140002560 COIL | | 1 | | | | | | 1 |
| 1940002560 COIL | | | | | | | | |
| BO00003260 S.COIL NI. 3225227-101J C10 4010005700 CERAMIC HM60SI SI. RSQJ 500V | | 1 | T . | | | | | |
| L21 | | | | | | | | |
| L24 | | 1 | | | C11 | | | |
| L25 | L22 | 6110002920 | COIL | LA-481 | C12 | 4010005760 | CERAMIC | HM60SJ SL 750J 500V |
| L28 | | 6110002910 | | | | | | HM60SJ SL 330J 500V |
| L28 | | | | | | | | |
| L27 | | | | | | | | |
| L28 | | 1 | | ` ' | | | 1 | |
| L29 | | | | , , | | | | |
| L31 | | | | | | | | |
| 132 | | | | | | | | |
| 1.23 | | | | | | | | |
| L34 | | | | | | | | |
| L35 | | | | | | | | |
| 1.36 | | | S.COIL | NL 322522T-101J | C24 | 4010005750 | | |
| L39 | | 2040000490 | | EXC-ELDR25C | | | | HM60SJ SL 120J 500V |
| 2040000490 COIL EXC-ELDR2SC C28 4010005750 CERAMIC C1608 JB 1H 472K-T-A C1608 JD 1H 472K-T-A C1 | | | | | | | | |
| L41 | | | | | C27 | | | |
| L42 2040000490 COIL EXC-ELDR25C C31 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A C1608 JB 1H 472K- | | | | | | | 1 | |
| L43 | | | Į. | | | | | |
| L44 6200003260 S.COIL NI. 322522T-101J C33 4010005810 CERAMIC HM74SJ SL 111J 500V L46 6200003260 S.COIL NI. 322522T-101J C33 4010005780 CERAMIC HM95SJ SL 271J 500V L47 6200003260 S.COIL NI. 322522T-101J C35 4010005780 CERAMIC HM60SJ SL 101J 500V L48 6200003260 S.COIL NI. 322522T-101J C35 4010005780 CERAMIC C1608 JB 1H 472K-T-A L50 6140002560 COIL LR-293 (T50-10) C38 4010005770 CERAMIC HM60SJ SL 101J 500V L54 6200003260 S.COIL NI. 322522T-101J C37 4030006880 S.CERAMIC HM60SJ SL 20J 500V L54 6200003260 S.COIL NI. 322522T-101J C40 4010005820 CERAMIC HM60SJ SL 20J 500V L55 6200003260 S.COIL NI. 322522T-101J C41 4010005720 CERAMIC HM60SJ SL 20J 500V L57 6200003260 S.COIL NI. 322522T-101J C42 4 | | | | | | | | |
| L45 6200003260 S.COIL NL 322522T-101J C33 4010005880 CERAMIC HM9SSJ SL 271, 500V L46 6200003260 S.COIL NL 322522T-101J C34 4010005740 CERAMIC HM60SJ SL 560J 500V L48 6200003260 S.COIL NL 322522T-101J C36 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A L50 6140002560 COIL LR-293 (T50-10) C38 4010005770 CERAMIC C1608 JB 1H 472K-T-A L51 2040000490 COIL EXC-ELDR25C C39 4010005880 CERAMIC HM60SJ SL 180J 500V L55 6200003280 S.COIL NL 322522T-101J C41 4010005880 CERAMIC HM60SJ SL 180J 500V L56 6200003280 S.COIL NL 322522T-101J C41 4010005880 CERAMIC HM60SJ SL 180J 500V L57 620003280 S.COIL NL 322522T-101J C41 4010005830 CERAMIC HM60SJ SL 180J 500V L58 2040000490 COIL EXC-ELDR25C C42 4010005830 | | | | | | | | |
| L46 6200003260 S.COIL NL 322522T-101J C34 4010005740 CERAMIC HM60SJ SL 560, 500V | | 1 | | | | | | |
| L47 6200003260 S.COIL NL 322522T-101J C35 4010005780 CERAMIC C1608 JB 1H 472K-T-A C1608 JB 1H 4 | | 1 | l e | | | | | |
| L48 6200003260 S.COIL NL 322522T-101J C36 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A L50 6140002560 COIL LR-293 (T50-10) C38 4010005770 CERAMIC C1608 JB 1H 472K-T-A L51 204000490 COIL EXC-ELDR25C C39 4010005770 CERAMIC HM60SJ SL 180J 500V L54 6200003260 S.COIL NL 322522T-101J C40 4010005890 CERAMIC HM60SJ SL 180J 500V L56 6200001830 S.COIL NL 322522T-101J C41 4010005890 CERAMIC HM60SJ SL 180J 500V L57 6200003260 S.COIL NL 322522T-101J C42 4010005890 CERAMIC HM60SJ SL 180J 500V L57 6200003260 S.COIL NL 322522T-101J C42 4010005890 CERAMIC HM60SJ SL 180J 500V L58 2040000490 COIL EXC-ELDR25C C44 4030006880 S.CERAMIC HM11SJ SL 391J 500V L61 2040000490 COIL EXC-ELDR25C C47 4010005870 | | _ | | | | | | - |
| L49 6200003260 S.COIL NL 322522T-101J C37 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A L50 6140002560 COIL LR-293 (T50-10) C38 4010005770 CERAMIC HM60SJ SL 180J 500V L54 6200003260 S.COIL NL 322522T-101J C40 4010005840 CERAMIC HM60SJ SL 180J 500V L55 6200003260 S.COIL NL 322522T-100J C41 4010005830 CERAMIC HM74SJ SL 151J 500V L56 6200001830 S.COIL NL 322522T-100J C42 4010005830 CERAMIC HM74SJ SL 151J 500V L57 6200003260 S.COIL NL 322522T-101J C43 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A L59 2040000490 COIL EXC-ELDR25C C45 4010005930 CERAMIC HM11SJ SL 391J 500V L61 2040000490 COIL EXC-ELDR25C C45 4010005930 CERAMIC HM17SJ SL 111J 500V L62 6200003260 S.COIL NL 3225227-101J C46 4010005810 | | | h | | | | | |
| L51 | | | l l | NL 322522T-101J | | | | C1608 JB 1H 472K-T-A |
| L54 6200003260 S.COIL NL 322522T-101J C40 4010005880 CERAMIC HM9SSJ SL 271J 500V L55 6200003260 S.COIL NL 322522T-100J C41 4010005830 CERAMIC HM60SJ SL 390J 500V L57 6200003260 S.COIL NL 322522T-101J C42 4010005830 CERAMIC HM74SJ SL 151J 500V L58 2040000490 COIL EXC-ELDR25C C44 4030006880 S.CERAMIC HM11SJ SL 391J 500V L60 6200003260 S.COIL NL 322522T-101J C46 4010005930 CERAMIC HM11SJ SL 391J 500V L61 204000490 COIL EXC-ELDR25C C47 4010005970 CERAMIC HM11SJ SL 391J 500V L62 6200003260 S.COIL NL 322522T-101J C46 4010005870 CERAMIC HM15SJ SL 351J 500V L63 6180000880 COIL LAL 03NA 100K C49 4010007490 CERAMIC HM15SJ SL 561J 500V R4 7030003560 S.RESISTOR ERJ3GEYJ 103 V (10 kΩ) C52 4010007500 </td <td></td> <td></td> <td>1</td> <td></td> <td></td> <td></td> <td></td> <td></td> | | | 1 | | | | | |
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| L56 6200001830 S.COIL NL 322522T-100J C42 4010005830 CERAMIC CHM74SJ SL 151J 500V L57 6200003260 S.COIL NL 322522T-101J C43 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A L59 2040000490 COIL EXC-ELDR25C C44 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A L60 6200003260 S.COIL NL 322522T-101J C46 4010008160 CERAMIC HM15SJ SL 431J 500V L61 204000490 COIL EXC-ELDR25C C47 4010005810 CERAMIC HM15SJ SL 221J 500V L62 6200003260 S.COIL NL 322522T-101J C48 4010005810 CERAMIC HM74SJ SL 11J 500V L63 6180000880 COIL LAL 03NA 100K C49 4010007490 CERAMIC HM74SJ SL 511J 500V R2 7030007190 S.RESISTOR ERJ3GEYJ 103 V (10 kΩ) C52 4010007500 CERAMIC C1608 JB 1H 472K-T-A R4 7030003440 S.RESISTOR ERJ3GEYJ 103 V (10 kΩ) C53 < | | | | | 1 | | | |
| L57 6200003260 S.COIL NL 322522T-101J C43 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A L59 2040000490 COIL EXC-ELDR25C C44 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A L60 6200003260 S.COIL NL 322522T-101J C46 4010005930 CERAMIC HM11SJ SL 431J 500V L61 2040000490 COIL EXC-ELDR25C C47 4010005870 CERAMIC HM74SJ SL 111J 500V L62 6200003260 S.COIL NL 322522T-101J C48 4010005810 CERAMIC HM74SJ SL 111J 500V L63 618000080 COIL LAL 03NA 100K C49 4010007490 CERAMIC HM74SJ SL 1561J 500V R2 7030007190 S.RESISTOR ERJ12YJ2220H (22 Ω) C51 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A R3 7030003560 S.RESISTOR ERJ3GEYJ 103 V (10 kΩ) C52 4010007500 CERAMIC HM15SJ SL 751J 500V R6 7030003640 S.RESISTOR ERJ3GEYJ 101 V (100 kΩ) C55 <td></td> <td>1</td> <td>B</td> <td></td> <td></td> <td></td> <td></td> <td></td> | | 1 | B | | | | | |
| L58 2040000490 COIL EXC-ELDR25C C44 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A L59 2040000490 COIL EXC-ELDR25C C45 4010005930 CERAMIC HM11SJ SL 391J 500V L61 2040000490 COIL EXC-ELDR25C C46 4010005870 CERAMIC HM95SJ SL 221J 500V L62 6200003260 S.COIL NL 322522T-101J C48 4010005870 CERAMIC HM95SJ SL 221J 500V L63 6180000880 COIL LAL 03NA 100K C49 4010007490 CERAMIC HM15SJ SL 561J 500V C50 A030006880 S.RESISTOR ERJ12YJ220H (22 Ω) C50 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A R3 7030003560 S.RESISTOR ERJ3GEYJ 103 V (10 kΩ) C52 4010007400 CERAMIC HM15SJ SL 751J 500V R5 7030003400 S.RESISTOR ERJ3GEYJ 103 V (10 kΩ) C54 4010007500 CERAMIC HM15SJ SL 751J 500V R6 7030003600 S.RESISTOR ERJ3GEYJ 104 V (100 kΩ) C55 <td></td> <td></td> <td>B</td> <td></td> <td></td> <td></td> <td></td> <td></td> | | | B | | | | | |
| L59 2040000490 (2000) COIL (204000490) EXC-ELDR25C (246) C45 (4010005930) CERAMIC (204000490) HM11SJ SL 391J 500V L61 2040000490 (2010) COIL (204000490) COIL (204000490) COIL (204000490) COIL (204000490) CERAMIC (204000490) CERAMIC (204000490) CERAMIC (204000490) CERAMIC (204000490) HM74SJ SL 111J 500V L62 6200003260 (200003260) S. COIL (200000490) COIL (200000490) CERAMIC (200000490) CERAMIC (200000490) CERAMIC (200000490) CERAMIC (200000490) HM74SJ SL 111J 500V CC9 (200000490) CERAMIC (200000490) CERAMIC (200000490) CERAMIC (200000490) CERAMIC (200000490) CERAMIC (200000490) CERAMIC (200000490) CERAMIC (200000490) CERAMIC (200000490) CERAMIC (200000490) CERAMIC (200000490) CERAMIC (2000000490) CERAMIC (200000490) CERAMIC (2000000490) CERAMIC (2000000490) CERAMIC (20000000490) CERAMIC (20000000490) CERAMIC (200000000 | | | B . | | | | | |
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| L61 2040000490 COIL EXC-ELDR25C C47 4010005870 CERAMIC HM95SJ SL 221J 500V L62 6200003260 S.COIL NL 322522T-101J C48 4010005810 CERAMIC HM74SJ SL 111J 500V L63 6180000880 COIL LAL 03NA 100K C49 4010007490 CERAMIC HM15SJ SL 561J 500V R2 7030007190 S.RESISTOR ERJ12YJ220H (22 Ω) C51 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A R3 7030003560 S.RESISTOR ERJ3GEYJ 103 V (10 kΩ) C52 4010007500 CERAMIC HM15SJ SL 751J 500V R4 7030003400 S.RESISTOR ERJ3GEYJ 102 V (1 kΩ) C53 4010007500 CERAMIC HM15SJ SL 751J 500V R6 7030003640 S.RESISTOR ERJ3GEYJ 104 V (100 kΩ) C55 4010007500 CERAMIC HM15SJ SL 751J 500V R8 7540000130 ABSORBER 2P-50A-301 C56 4010007500 CERAMIC HM15SJ SL 751J 500V R9 7030003320 S.RESISTOR ERJ3GEYJ 101 V (100 Ω) | | | | | | | | |
| L62 6200003260 S.COIL NL 322522T-101J C48 4010005810 CERAMIC HM74SJ SL 111J 500V R2 7030007190 S.RESISTOR ERJ12YJ220H (22 Ω) C50 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A R3 7030003560 S.RESISTOR ERJ3GEYJ 103 V (10 kΩ) C52 4010007500 CERAMIC HM15SJ SL 751J 500V R4 703003560 S.RESISTOR ERJ3GEYJ 103 V (10 kΩ) C52 4010007500 CERAMIC HM15SJ SL 751J 500V R5 703003440 S.RESISTOR ERJ3GEYJ 103 V (10 kΩ) C53 4010007500 CERAMIC HM15SJ SL 751J 500V R6 7030003640 S.RESISTOR ERJ3GEYJ 473 V (47 kΩ) C55 4010007500 CERAMIC HM15SJ SL 751J 500V R7 7030003680 S.RESISTOR ERJ3GEYJ 104 V (100 kΩ) C56 4010007500 CERAMIC HM74SJ SL 121J 500V R8 7540000130 ABSORBER 2P-50A-301 C57 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A R9 7030003320 S.RESISTOR E | | | | | | | | |
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| R5 7030003440 R6 S.RESISTOR 703003640 ERJ3GEYJ 102 V (1 kΩ) C54 4010007500 CERAMIC CERAMIC HM15SJ SL 751J 500V CERAMIC HM15SJ SL 751J 500V CERAMIC HM74SJ SL 121J 500V CERAMIC C56 4010007500 CERAMIC CERAMIC CHAMIC C | | | | | | | | |
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| R7 7030003680 R8 S.RESISTOR STOR STOR ABSORBER ERJ3GEYJ 104 V (100 kΩ) C56 A010007500 CERAMIC CERAMIC C1608 JB 1H 472K-T-A HM15SJ SL 751J 500V S.CERAMIC R9 7030003320 R10 S.RESISTOR S.RESISTOR ERJ3GEYJ 101 V (100 Ω) C58 A610002050 S.TRIMMER ECR-JC010 A12W S.CERAMIC C1608 JB 1H 472K-T-A S.CERAMIC R11 7010004030 RESISTOR R20J 47 Ω R13 R20J 47 Ω S.CERAMIC C1608 CH 1H 181J-T-A S.CERAMIC C1608 CH 1H 331J-T-A S.CERAMIC R13 7030003560 S.RESISTOR ERJ3GEYJ 103 V (10 kΩ) C63 A030010760 S.CERAMIC S.CERAMIC C1608 CH 1H 331J-T-A S.CERAMIC | | | | | | | | |
| R8 7540000130 R9 ABSORBER 7030003320 S.RESISTOR 2P-50A-301 ERJ3GEYJ 101 V (100 Ω) C57 4030006880 S.CERAMIC S.TRIMMER S.CERAMIC C1608 JB 1H 472K-T-A S.TRIMMER R10 7030003320 F.10 S.RESISTOR ERJ3GEYJ 101 V (100 Ω) C59 4030007160 S.CERAMIC C1608 CH 1H 181J-T-A S.CERAMIC C1608 CH 1H 331J-T-A S.CERAMIC C1608 CH 1H | | | | | | | | |
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| | | E . | | | | | | |
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ORDER REF DESCRIPTION NO. NO. 4030007090 S.CERAMIC C1608 CH 1H 470J-T-A C64 4030006850 S.CERAMIC C65 C1608 JB 1H 471K-T-A C1608 JB 1H 471K-T-A C66 4030006850 S.CERAMIC S.CERAMIC C67 4030006850 C1608 JB 1H 471K-T-A C69 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A C70 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A C71 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A C72 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A C73 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A C74 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A C75 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A C76 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A C78 4010005850 CERAMIC HM95SJ SL 181J 500V C79 4010005860 CERAMIC HM95SJ SL 201J 500V C80 4010007590 CERAMIC HM15SJ SL 681J 500V C81 4010006410 CERAMIC HM13SJ SL 471J 500V C82 4010007500 CERAMIC HM15SJ SL 751J 500V C84 4010007490 CERAMIC HM15SJ SL 561J 500V C87 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A C88 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A C89 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A C90 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A C91 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A C92 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A C93 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A C94 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A C95 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A C96 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A C97 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A C98 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A C99 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A C100 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A S.CERAMIC C101 4030006860 C1608 JB 1H 102K-T-A C102 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A C103 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A S.CERAMIC C104 4030006880 C1608 JB 1H 472K-T-A S.CERAMIC C105 4030006880 C1608 JB 1H 472K-T-A S.CERAMIC C110 4030006880 C1608 JB 1H 472K-T-A S.CERAMIC C111 4030006880 C1608 JB 1H 472K-T-A S.CERAMIC C112 4030006880 C1608 JB 1H 472K-T-A S.CERAMIC C113 4030006880 C1608 JB 1H 472K-T-A S.CERAMIC C114 4030006880 C1608 JB 1H 472K-T-A S.CERAMIC C115 4030006880 C1608 JB 1H 472K-T-A S.CERAMIC C116 4030006880 C1608 JB 1H 472K-T-A S.CERAMIC C117 4030006880 C1608 JB 1H 472K-T-A S.CERAMIC C118 4030006880 C1608 JB 1H 472K-T-A C119 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A S.CERAMIC C120 4030006880 C1608 JB 1H 472K-T-A S.CERAMIC C121 4030006880 C1608 JB 1H 472K-T-A S.CERAMIC C122 4030006880 C1608 JB 1H 472K-T-A C123 4030009110 S.CERAMIC C3216 JB 1C 474K-T-A 4030011600 S.CERAMIC C124 C1608 JB 1C 104KT-N 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C125 S.CERAMIC C126 4030011600 C1608 JB 1C 104KT-N 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C127 4010005640 CERAMIC C132 HM60SJ SL 180J 500V 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C133 C134 4010005780 CERAMIC HM60SJ SL 101J 500V 4010005820 CERAMIC HM74SJ SL 121J 500V C135 C136 4030001420 S.CERAMIC GR44 Y5V 684Z C137 4010005770 **CERAMIC** HM60SJ SL 820J 500V C140 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C141 C143 4010006410 CERAMIC HM13SJ SL 471J 500V S.CERAMIC C1608 JB 1H 472K-T-A C144 4030006880 S.CERAMIC C145 4030006880 C1608 JB 1H 472K-T-A C146 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A C147 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A C148 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A C149 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C150 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C151 4010005540 **CERAMIC** HM60SJ SL 030C 500V C152 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A RL1 6330001330 RELAY AG 201344 RL2 6330001430 RELAY NA-12W-K RL3 6330001430 RELAY NA-12W-K RL4 6330001320 RELAY AHY103 RL5 6330001320 RELAY **AHY103** RL6 6330001320 RELAY **AHY103** RL7 6330001320 RELAY **AHY103**

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| REF NO. | ORDER NO. | | DESCRIPTION |
| RL8 RL9 RL10 RL11 RL12 | 6330001320 6330001320 6330001320 6330001320 6330001320 | RELAY RELAY RELAY RELAY | AHY103 AHY103 AHY103 AHY103 AHY103 |
| RL13 | 6330001320 | RELAY | AHY103 |
| RL14 | 6330001320 | RELAY | AHY103 |
| RL15 | 6330001320 | RELAY | AHY103 |
| RL16 | 6330001320 | RELAY | AHY103 |
| J1 | 6510007900 | CONNECTOR CONNECTOR CONNECTOR CONNECTOR CONNECTOR CONNECTOR S.CONNECTOR CONNECTOR CONNECTOR CONNECTOR S.CONNECTOR S.CONNECTOR | TBP-P01X-A1 |
| J2 | 6510007900 | | TBP-P01X-A1 |
| J4 | 6450001490 | | HLJ7001-01-3010 |
| J5 | 6450001650 | | TCS5044-01-4111 |
| J7 | 6450001650 | | HSJ0836-01-500 |
| J8 | 6450001660 | | EX345GLB |
| J9 | 6510020080 | | 52808-2090 |
| J10 | 6510009870 | | PD054-02M |
| J11 | 6510019970 | | 52018-8835 |
| J12 | 6510019970 | | 52808-1090 |
| J13 | 6510003250 | | TMP-J01X-A2 |
| P1 | 6510003240 | CONNECTOR | TMP-P01X-A1 |
| P2 | 6510003240 | CONNECTOR | TMP-P01X-A1 |
| P3 | 6510018980 | CONNECTOR | PHR-2 |
| W1 | 7120000010 | JUMPER | JPW 02A |
| W15 | 7030003860 | S.JUMPER | ERJ3GE JPW V |
| W16 | 7030003860 | S.JUMPER | ERJ3GE JPW V |
| W17 | 7030003860 | S.JUMPER | ERJ3GE JPW V |
| W18 | 7120000010 | JUMPER | JPW 02A |
| WS1 | 8970022491 | | (2)/FI |
| WS2 | 8600035690 | | P03×J10FI |
| EP1 | | PCB | B 4921E |
| | | L | S.=Surface mount |

SECTION 6 MECHANICAL PARTS AND DISASSEMBLY

[CHASSIS PARTS]

| REF. NO. | ORDER NO. | DESCRIPTION | QTY. |
|--------------|--------------------------|--|----------|
| J3 | 6510000370 | Connector MR-DS [ANT1] | 1 |
| J4 | 6510000370 | Connector MR-DS [ANT2] | 1 |
| | | | |
| W1 | 8900006050 | Flat Cable OPC-594 | 1 |
| W2 | 8900006060 | Flat Cable OPC-595 | 1 |
| W3 | 8900006150 | Flat Cable OPC-602 | 1 |
| | ******* | Develop DD 500 | |
| EP1 | 8930021010 | Domed plug DP-500 | 1 |
| EP2 | 0910045921 | Flexible PCB B-4598A | 1 |
| MF1 | 2710000580 | Fan FBA06T12HF | 1 |
| | 054000000 | 0 | ١. |
| SP1 | 2510000990 | Speaker VS-66Y0811 | 1 |
| MP1 | 8410002062 | 1897 heatsink-2 | 1 |
| MP2 | 8110006060 | 1897 upper-cover (incl. MP10 and MP38) | 1 |
| мР3 | 8510011450 | 1897 lower-cover | 1 |
| MP7 | 8930043950 | 1897 fan guard | 1 |
| MP8 | 8820000530 | Flange bolt M4 × 8 NI | 1 |
| MP10 | 8930015850 | SP net | 1 |
| MP11 | 8930018520 | TR.clip (A) | 1 |
| MP12 | 8950004180 | 1691 contact base(A) | 1 |
| MP15 | 8930036980 | 1691 earth spring | 1 |
| MP17 | 8930037000 | 1691 earth plate | 1 |
| MP19 | 8810008630 | Screw PH BT M3 x 6 NI-ZU | 5 |
| MP20 | 8810007410 | Screw PH M3 x 6 NI | 2 |
| MP21 | 8810009020 | Screw FH M2.6 x 5 ZK | 5 |
| MP22 | 8850000140 | Flat washer M4 NI BS | 1 |
| MP24 MP25 | 8810008990 8850001560 | Screw PH BT M2 x 10 ZK Ster washer M4 | ' |
| MP26 | 8810008630 | Screw PH BT M3 × 6 NI-ZU | 4 |
| MP27 | 8810008630 | Screw PH BT M3 x 6 NI-ZU | 5 |
| MP28 | 8810008630 | Screw PH BT M3 × 6 NI-ZU | 6 |
| MP32 | 8810007410 | Screw PH M3 × 6 NI | 2 |
| MP33 | 8810008490 | Setscrew H M2.6 x 8 NI | 2 |
| MP34 | 8810008490 | Setscrew H M2.6 x 8 NI | 2 |
| MP35 | 8810008490 | Setscrew H M2.6 x 8 NI | 2 |
| MP36 | 8810009020 | Screw FH M2.6 x 5 ZK | 5 |
| MP37 | 8810008490 | Setscrew H M2.6 x 8 NI | 1 |
| MP38 | 8930038650 | Sheet BE | 1 |
| MP40 | 8930038820 | Aluminum sheet V | 1 |
| MP49 | 8930028390 | Sheet AH | 5 |
| MP51 | 8930039430 | 1691 B-sheet | 1 |
| MP56 | 8930040270 | Embossed sheet (H) | 2 |
| MP60 | 8930042440 | 1897 SP hoder | 1 |
| MP61 | 8810009020 | Screw FT M2.6 x 5 ZK | 4 |
| MP62 | 8810009390 | Screw PH BT M3 x 18 NI-ZU | 4 |
| MP63 | 8810007410 | Screw PH M3 × 6 NI | 2 |
| MP64 | 8810008490 | Setscrew H M2.6 x 8 NI Screw PH BT M3 x 6 NI-ZU | 1 2 |
| MP65 | 8810008630 | Earth plate | 1 |
| MP67 MP68 | 8930001180 8930028840 | • | |
| MP69 | 8930028840 | Sponge (DF) Sheet BQ | 2 |
| MP70 | 8930043960 | Sheet DN | 1 |
| MP71 | 8950004610 | Wire sticker S-5 | ; |
| | | | <u> </u> |

[FRONT UNIT]

| REF. NO. | ORDER NO. | DESCRIPTION | QTY. |
|----------|------------|--|------|
| S1 | 2250000290 | Encoder SW-159 (EC24B50B) (incl. nut, washer) | 1 |
| W1 | 8900006040 | Flat cable OPC-593 | 1 |
| W2 | 8900006250 | Cable OPC-610 | 1 |
| MP1 | 8210014212 | 1691 front panel (B)-2 | 1 |
| MP2 | 8210012580 | 1691 rear panel | 1 |
| MP3 | 8930036720 | 1691 8-key | 1 |
| MP4 | 8930041650 | 1691 UP/DOWN key (A) | 1 |
| MP5 | 8930036731 | 1691 4-key-1 | 1 |
| MP8 | 8930036751 | Spring (Y)-1 | 1 |
| MP9 | 8930032340 | 1424 N-spring | 1 |
| MP10 | 8830001010 | Hex nut (A) | 2 |
| MP11 | 8610010000 | Knob N237 (include, MP28) | 1 |
| MP12 | 8610010010 | Knob N238 | 2 |
| MP13 | 8610010021 | Knob N239 base-1 | 1 |
| MP14 | 8610010030 | Knob N239 cover | 1 |
| MP15 | 8610010040 | Knob N239 finger rest | 1 |
| MP16 | 8930036691 | 1691 release button-1 | 1 |
| MP17 | 8930036700 | 1691 lens | 3 |
| MP18 | 8310036280 | 1691 window plate | 1 |
| MP19 | 8310036273 | 1691 brake plate-3 | 1 |
| MP20 | 8950004191 | 1691 contact base(b)-1 | 1 |
| MP21 | 8930036740 | 1691 brake pad | 2 |
| MP22 | 8930037111 | 1691 brake sheet-1 | 1 |
| MP23 | 8310036583 | 1691 caution label (S)-3 | 1 |
| MP24 | 8810008990 | Screw PH BT M2 x 10 ZK | 2 |
| MP25 | 8930038940 | Sponge (EF) | 1 |
| MP26 | 8830001100 | Nut (for tube) M9 B11-H2 | 1 |
| MP27 | 8610010360 | Knob N260 (include. MP29) | 1 |
| MP28 | 8610007510 | Knob spring No. 7800 | 1 |
| MP29 | 8610007510 | Knob spring No. 7800 | 1 |
| | 8210014470 | 1691 front panel (B)-2 assembly (include. MP1, 4, 5, 17 and 18) | 1 |
| | 8610010111 | Knob N239-1 assembly (include. MP9, 13, 14, 15 and 22) | 1 |

[DISPLAY BOARD]

| REF. NO. | ORDER NO. | DESCRIPTION | QTY. |
|----------|------------|-----------------------------------|------|
| J2 | 6450001630 | Connector HSJ1406-01-050 [PHONES] | 1 |
| DS4 | 5010000210 | LCD DLC-7986YBGF | 1 |
| DS5 | 5030001290 | LED D2264 | 1 |
| EP2 | 8930039790 | LCD contact SRCN-1691-ZSS-505 | 2 |
| MP1 | 8930036710 | 1691 LCD holder | 1 |
| мР3 | 8810009040 | Setscrew H M2.6 X 10 NI | 1 |
| MP4 | 8830000180 | Nut M2.6 NI BS | 1 |
| MP5 | 8930043470 | 1897 front plate | 1 |

[VR BOARD]

| REF. NO. | ORDER NO. | DESCRIPTION | QTY. |
|----------|------------|--|------|
| R1 | 7210002780 | Variable register RV-300 | 1 |
| R2 | 7210002940 | Variable register TP96D231E20-20F-10KB-1897 | 1 |
| S1 | 2220000540 | Switch SW-162 (SSSS22-2-11) | 1 |

[MAIN BOARD]

| REF. NO. ORDER NO. | | DESCRIPTION | |
|--------------------|------------|------------------------|---|
| мР3 | 8510011420 | 1897 M-case | 1 |
| MP4 | 8930014140 | Earth spring (D) | 1 |
| MP6 | 8510011250 | 1897 main S-plate | 1 |
| MP7 | 8930024170 | Earth spring (G) | 1 |
| мР8 | 8930024170 | Earth spring (G) | 1 |
| MP9 | 8510010460 | 1691 main shield plate | 1 |
| MP10 | 8510010460 | 1691 main shield plate | 1 |
| MP11 | 8930044650 | 1897 M-spring | 1 |

[HPF BOARD]

| REF. NO. | ORDER NO. | DESCRIPTION | QTY. |
|----------|------------|---------------|------|
| MP1 | 8510009180 | 1346 VCO case | 1 |
| MP2 | 8930028840 | Sponge (DF) | 1 |

[PLL UNIT]

| REF. NO. | ORDER NO. | DESCRIPTION | QTY. |
|----------|------------|------------------------|------|
| MP1 | 8510010050 | 1691 shield case | 1 |
| MP2 | 8510010060 | 1691 shield cover | 1 |
| MP3 | 8510005980 | 724 shield case | 1 |
| MP4 | 8510011440 | 1897 P-cover | 1 |
| MP5 | 8510006970 | VCO shield case | 1 |
| MP7 | 8510010050 | 1691 shield case | 1 |
| MP8 | 8510010060 | 1691 shield cover | 1 |
| MP9 | 8510005980 | 724 shield case | 1 |
| MP10 | 8510005990 | 724 shield case cover | 1 |
| MP15 | 8810003960 | Setscrew A M2.6 ◊ 5 | 3 |
| MP16 | 8810003960 | Setscrew A M2.6 ◊ 5 | 3 |
| MP17 | 8510010150 | 1691 D/A case | 1 |
| MP19 | 8820000900 | 1691 screw | 1 |
| MP22 | 8510011160 | 1897 PLL shield case | 1 |
| MP23 | 8510010850 | 1897 D/A case | 1 |
| MP24 | 8510010460 | 1691 main shield plate | 1 |
| MP25 | 8950000180 | Cable tie-80 | 2 |
| MP26 | 8930001170 | Earth spring (A) | 1 |
| MP27 | 8930012270 | 575 CPU shield plate | 1 |
| MP28 | 8930001170 | Earth spring (A) | 1 |

[PA UNIT]

| REF. NO. | ORDER NO. | DESCRIPTION | QTY. |
|----------|------------|-----------------------------------|------|
| J8 | 6450000140 | Connector HSJ0807-01-010 [EXT SP] | 1 |
| J19 | 6510001920 | Connector 1490R [TUNER] | 1 |
| P8 | 6510003780 | Connector LLR-06 [DC 13.8V] | 1 · |
| MP1 | 8950000180 | Cable tie-80 | 1 |
| мР3 | 8950000180 | Cable tie-80 | 1 |
| MP7 | 8860000100 | Earth lug B 2 (M2.6) AG BS | 1 |
| MP8 | 8860000100 | Earth lug B 2 (M2.6) AG BS | 1 |
| мР9 | 8860000100 | Earth lug B 2 (M2.6) AG BS | 1 |
| MP10 | 8860000100 | Earth lug B 2 (M2.6) AG BS | 1 |
| MP11 | 8860000100 | Earth lug B 2 (M2.6) AG BS | 1 |
| MP12 | 8860000100 | Earth lug B 2 (M2.6) AG BS | 1 |
| MP14 | 8930044800 | 1897 TR plate | 1 |

[FILTER BOARD]

| REF. NO. | ORDER NO. | DESCRIPTION | QTY. |
|----------|------------|--------------------------------------|------|
| J4 | 6450001490 | Connector HLJ7001-01-3010 [ELEC-KEY] | 1 |
| J5 | 6450001640 | Connector TCS5044-01-4111 [ACC] | 1 |
| J7 | 6450001650 | Connector HSJ0836-01-500 [REMOTE] | 1 |
| J8 | 6450001660 | Connector EX345GLB [RTTY] | 1 |
| J11 | 6510016170 | Connector 52018-8835 [MIC] | 1 |
| MP2 | 8930014140 | Earth spring (D) | 1 |
| мР3 | 8930014140 | Earth spring (D) | 1 |

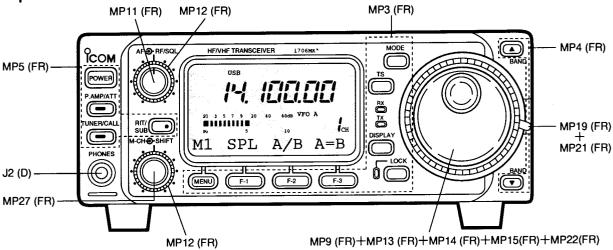
[UNPACKING]

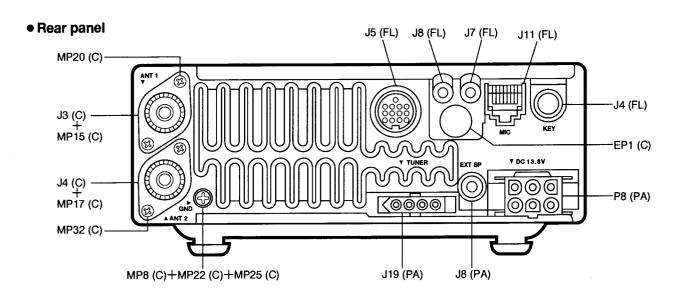
| REF. NO. | ORDER NO. | DESCRIPTION | QTY. |
|----------|--------------------------|---|--------|
| F1 F2 | 5210000090 5210000130 | Fuse FGB 30A Fuse FGB 4A | 2 1 |
| P1 P2 | 5610000050 5610000170 | Electronic keyer plug AP330 RTTY key plug AP370B | 1 |
| W1 W2 | 8900006490 8900006110 | DC power cable OPC-025D [USA] ACC cable OPC-596 | 1 |
| MC1 | 7700002000 | Hand microphone HM-103 ACC | 1 |

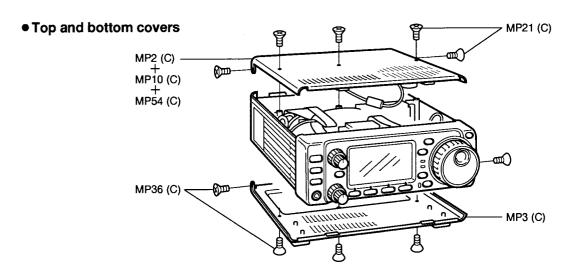
Screw abbreviations

BT: Self-tapping PH: Pan head NI: Nickel NI-ZU: Nickel-Zinc BS: Brass ZK: Black

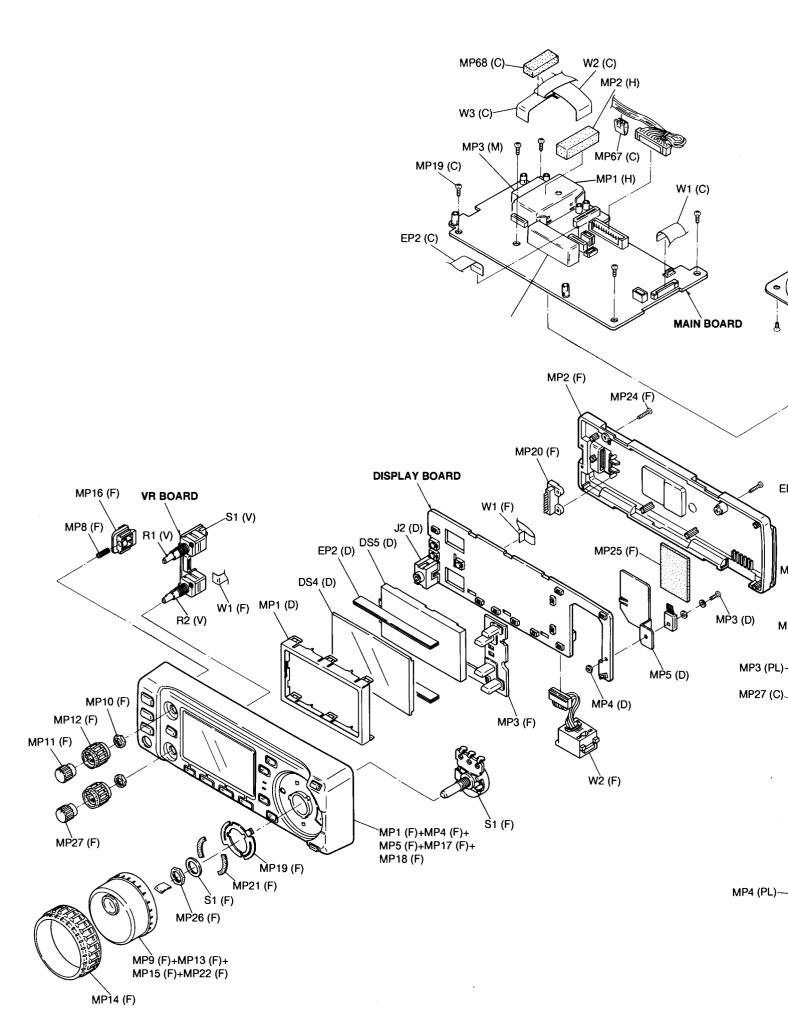
Front panel



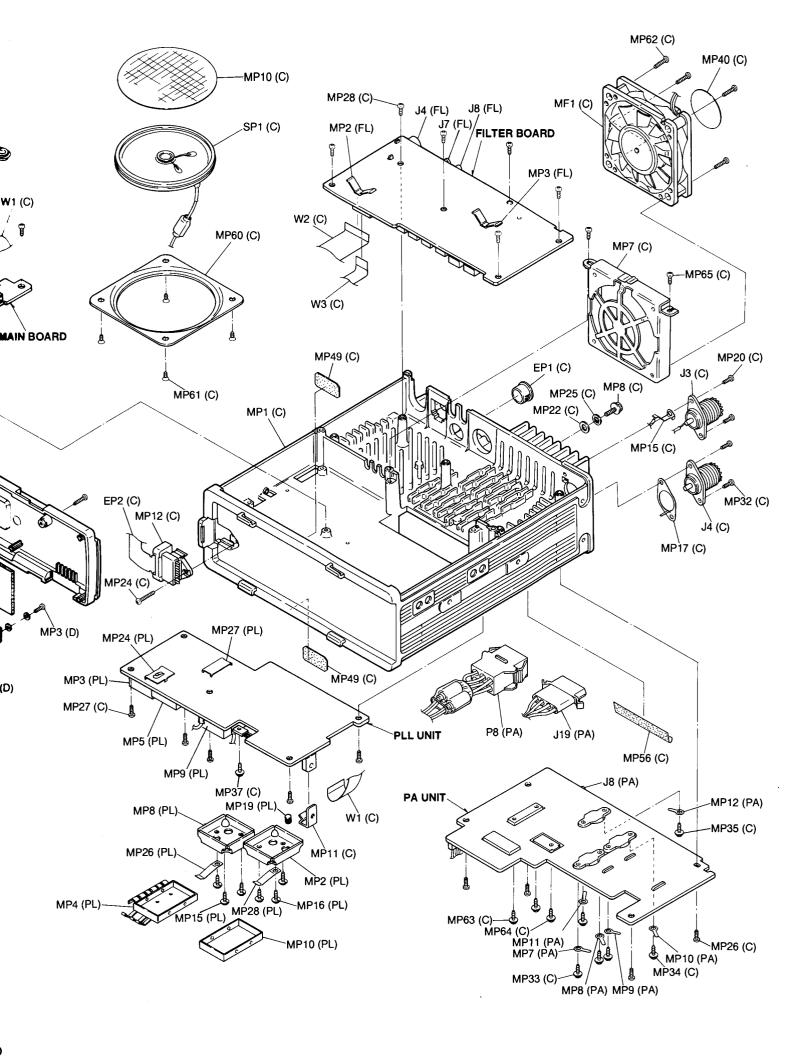




Unit abbreviations: (C): CHASSIS PARTS (FR): FRONT PARTS (D): DISPLAY BOARD (PA): PA UNIT (FL): FILTER BOARD



Unit abbreviations: (C): CHASSIS PARTS (FR): FRONT PARTS (D): DISPLAY BOARD (M): MAIN BOARD (PL): PLL UNIT (PA): PA UNIT (FL): FILTER BOARD (H): HPF BOARD



SECTION 7 SEMI-CONDUCTOR INFORMATION

• TRANSISTOR AND FET'S

| 2SA1576 R (Symbol: FR) | 2SB1132 Q (Symbol: BA) | 2SB1143 S | 2SB798 DK (Symbol: DK) | 2SC2694 |
|---|----------------------------------|-------------------------------|-----------------------------|------------------------------|
| (Symbol: Th) | (Symbol: 6X) | B E C B | | |
| 2SC4081 R (Symbol: BR) | 2SC4081 S (Symbol: BS) | 2SC4116 GR (Symbol: LG) | 2SC4117 BL (Symbol: DL) | 2SC4213 B (Symbol: AB) |
| | | | | |
| 2SC4226 R25 (Symbol: R25) | 2SC4403 3 (Symbol: LY3) | 2SC4405 3 TL (Symbol: OY3) | 2SC4673D (Symbol: CO) | 2SD1221 Y |
| | | | | B C E |
| 2SD1406 | 2SD1619 (Symbol: DB) | 2SD1623 (Symbol: DF) | 2SD999 CK (Symbol: CK) | 2SK1577 2 T7 (Symbol: P2) |
| B C E | | | | s |
| 2SK210 GR (Symbol: YG) | 2SK2171 4 (Symbol: No symbol) | 2SK880 Y (Symbol: XY) | 2SK882 GR (Symbol: TG) | 3SK131 (Symbol: VIT) |
| D G S | \$ | SC G | GC S | s |
| 3SK228XR (Symbol: XR) | DTA114EE (Symbol: 14) | DTA114EU (Symbol: 14) | DTA144EE TL (Symbol: 16) | DTC114EE TL (Symbol: 24) |
| s — — — — — — — — — — — — — — — — — — — | | | | |

| DTA114TU (Symbol: 94) | DTC114EU (Symbol: 24) | DTC143TU (Symbol: 03) | DTC144EE (Symbol: 24) | DTC144EU (Symbol: 26) |
|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| | | | | |
| L-[] | 4 | 4 | 4 | |
| DTC144TU (Symbol: 06) | MRF5015 | MRF581 | UMD6 (Symbol: D6) | UN911F (Symbol: 6O) |
| | | B E | | |
| | | , o | | · ' |

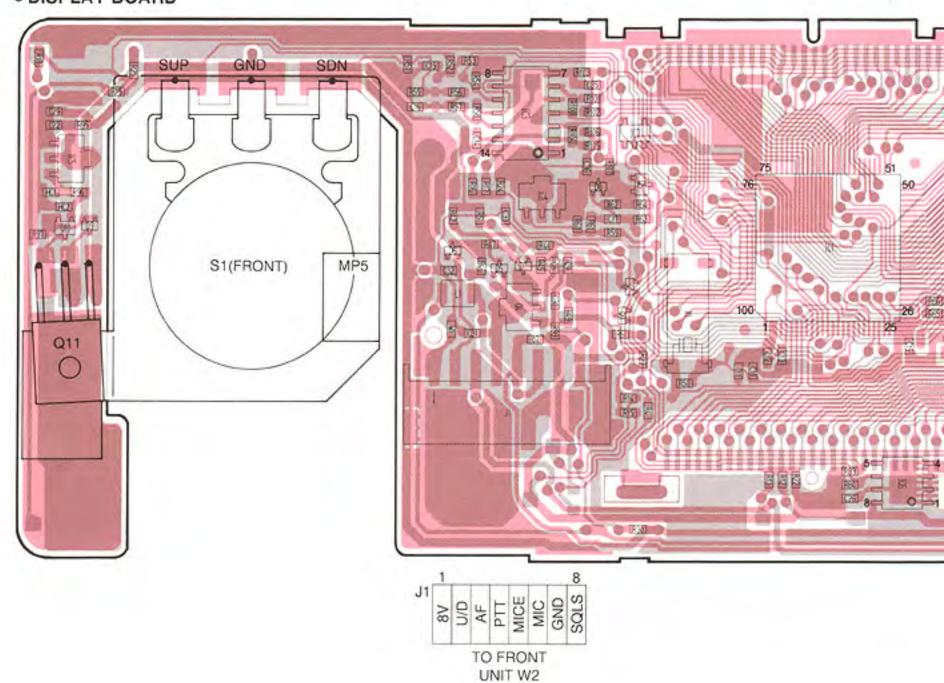
• DIODES

| 1SS319 | 1SV237 | 1SV265 TL | 1SV271 | DA114 |
|----------------------------|--------------|---------------|---------------|-----------------------|
| (Symbol: A4) | (Symbol: BB) | (Symbol: LV) | (Symbol: TG) | (Symbol: AV) |
| DA204U | DA221 | DAN222 | DAP222 | HSB88WSTR |
| (Symbol: K) | (Symbol: K) | (Symbol: N) | (Symbol: FR) | (Symbol: Silver line) |
| HSM88AS | HVM17-01TR | MA862 | RD3.6M B2 | RD5.6M B2 |
| (Symbol: C1) | (Symbol: T6) | (Symbol: M1I) | (Symbol: 362) | (Symbol: 562) |
| | | | | |
| RD9.1M B2 (Symbol: 912) | | | | |

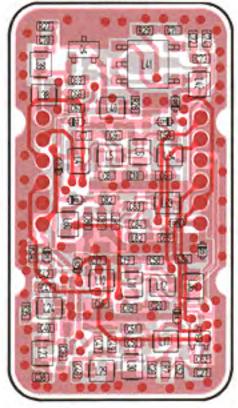
SECTION 8 BOARD LAYOUTS

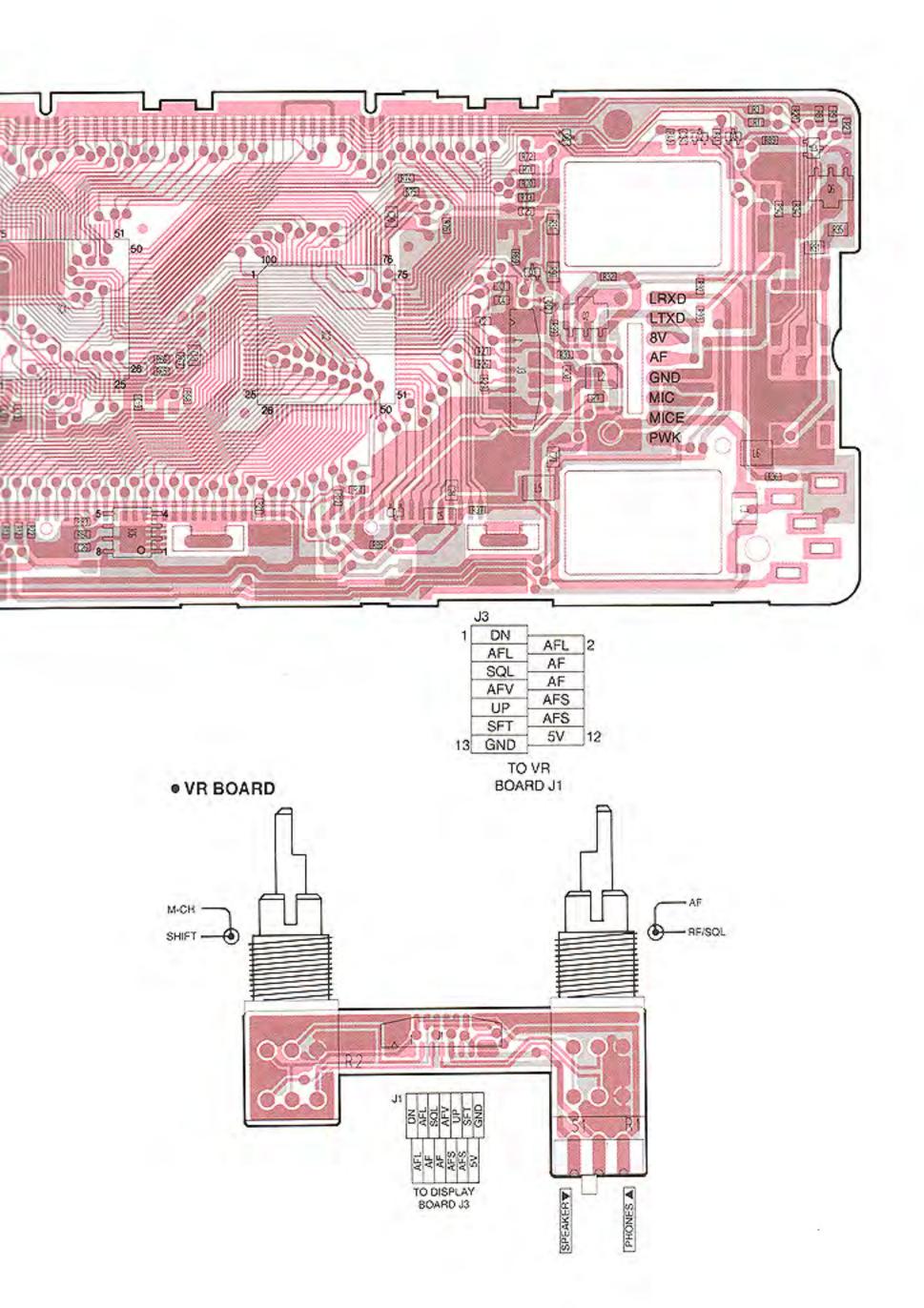
8-1 DISPLAY BOARD

DISPLAY BOARD

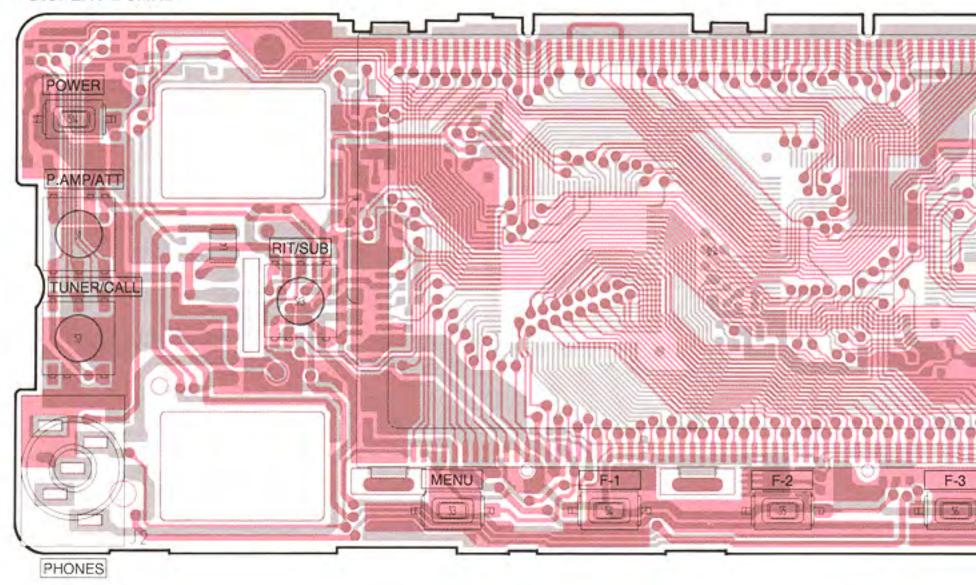


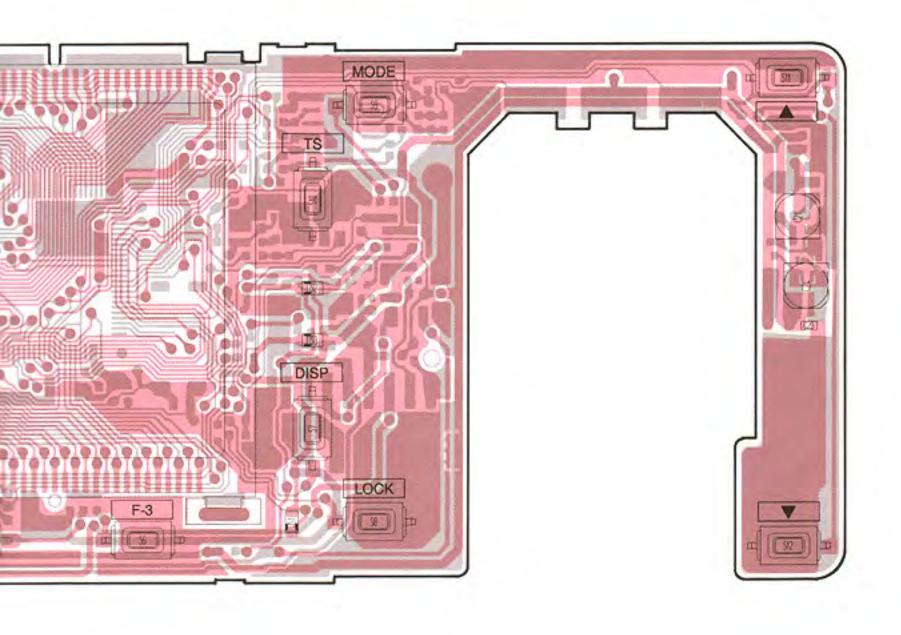


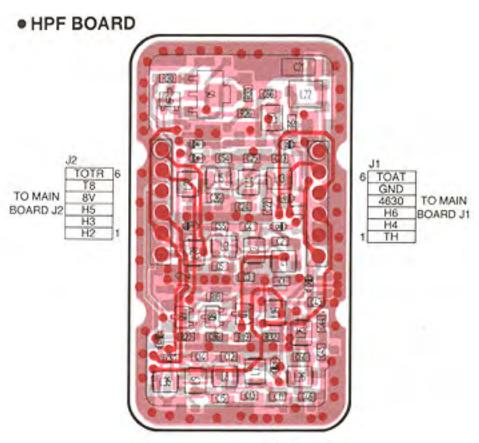




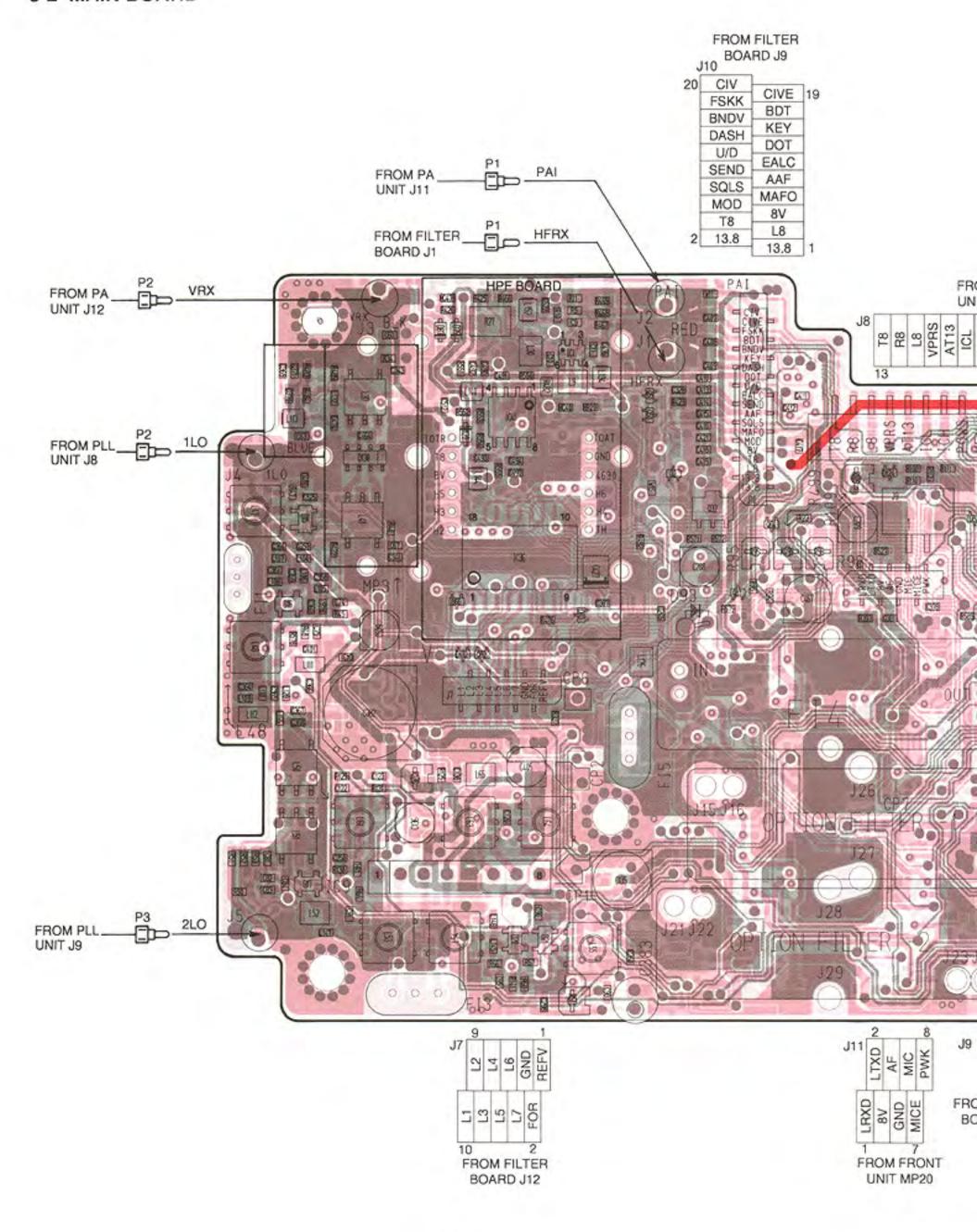
DISPLAY BOARD

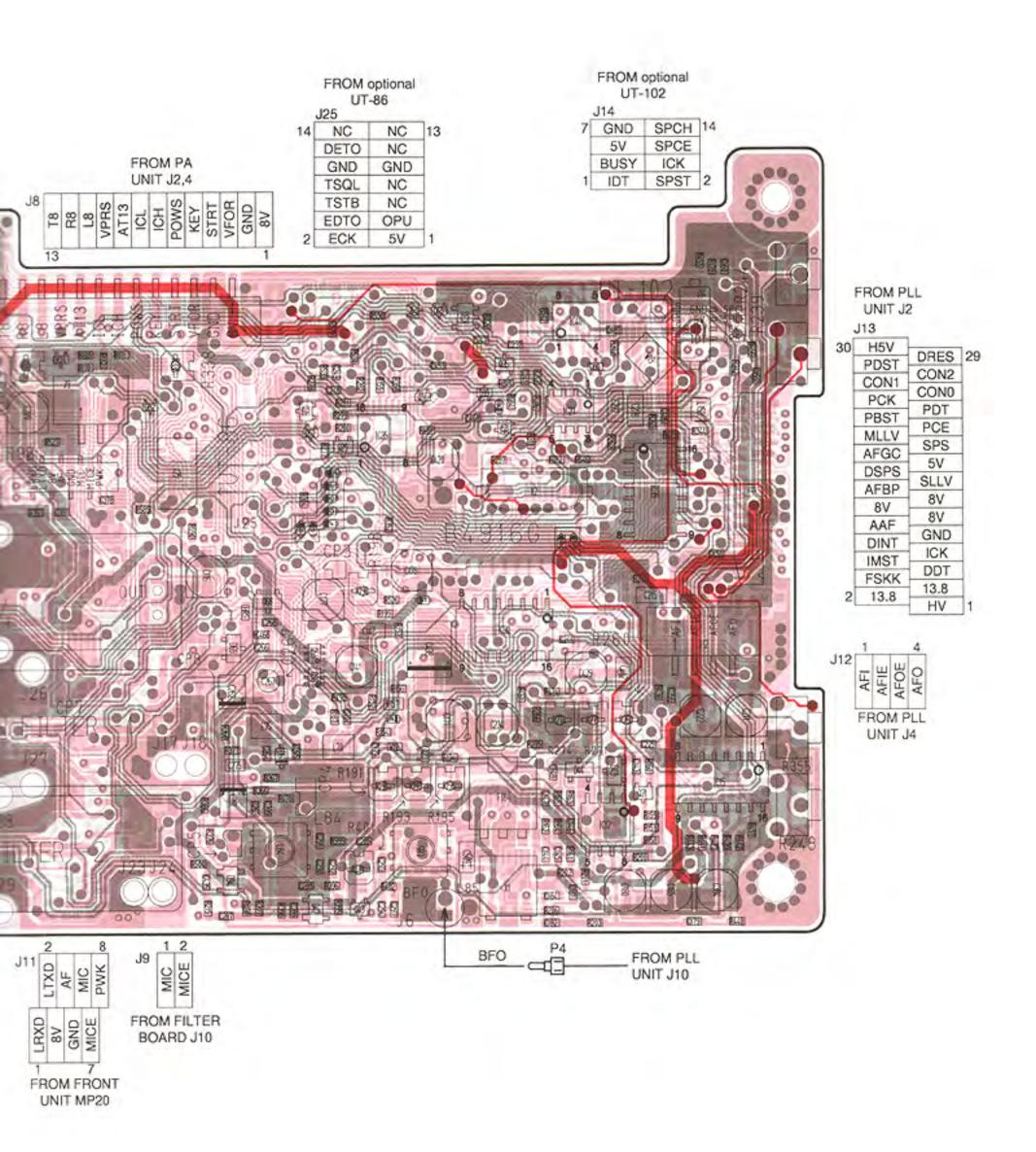


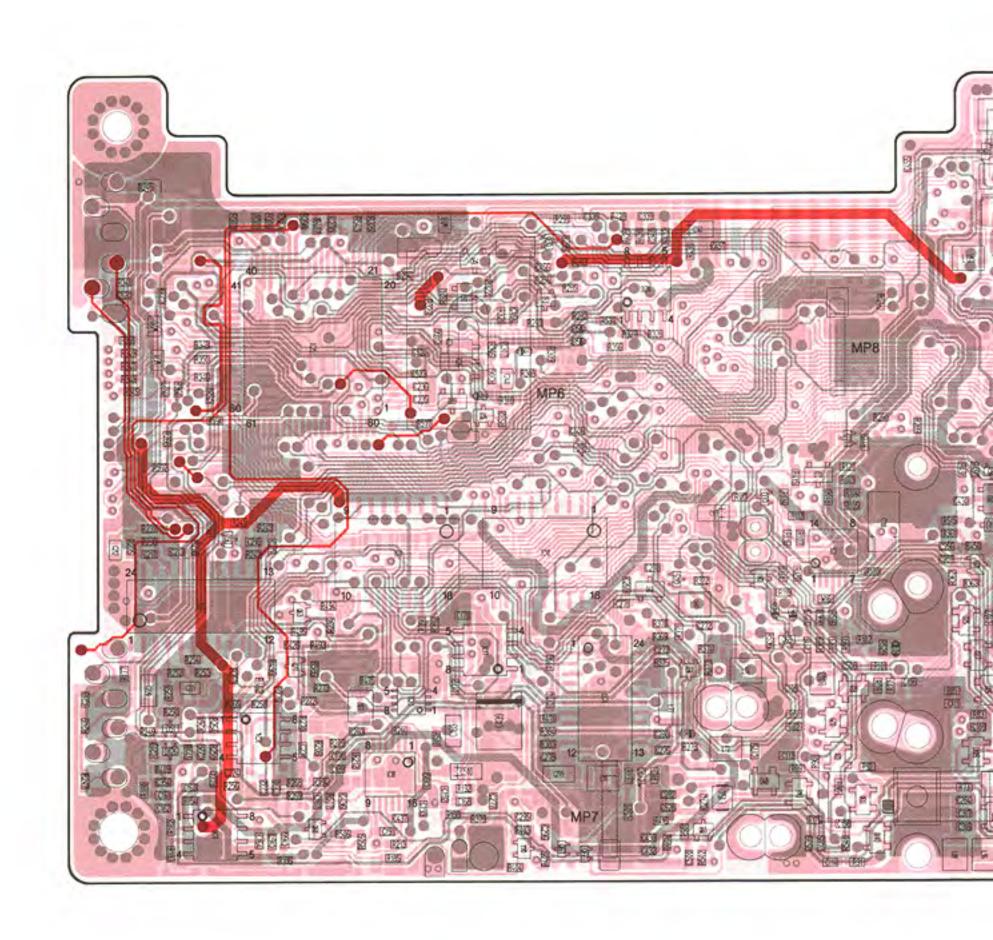


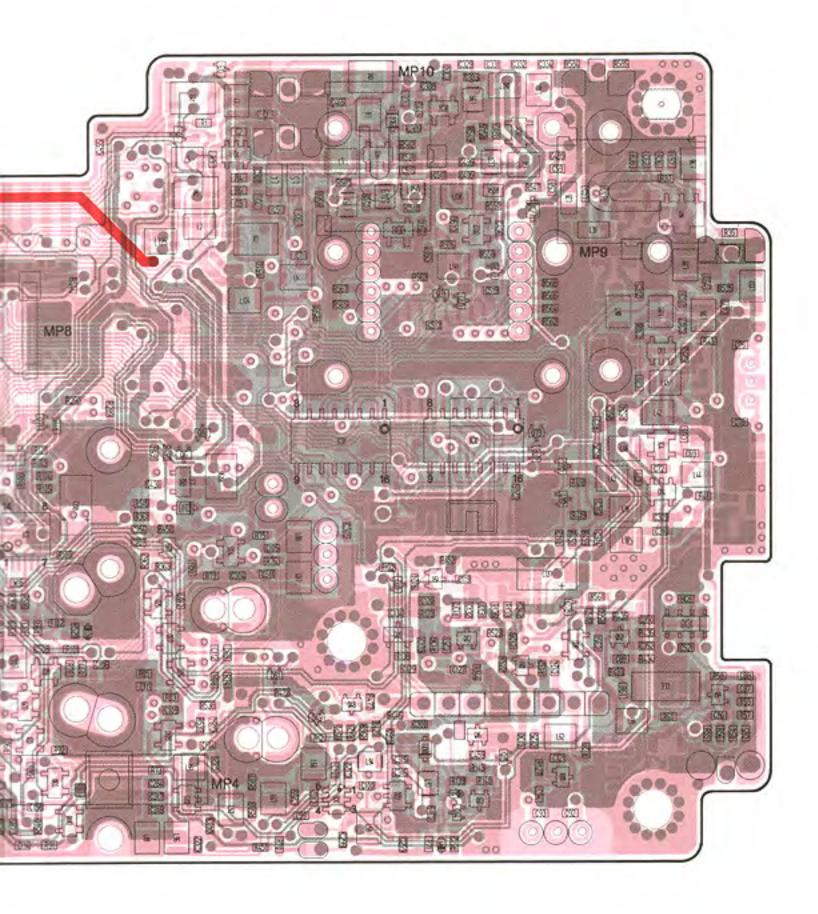


8-2 MAIN BOARD

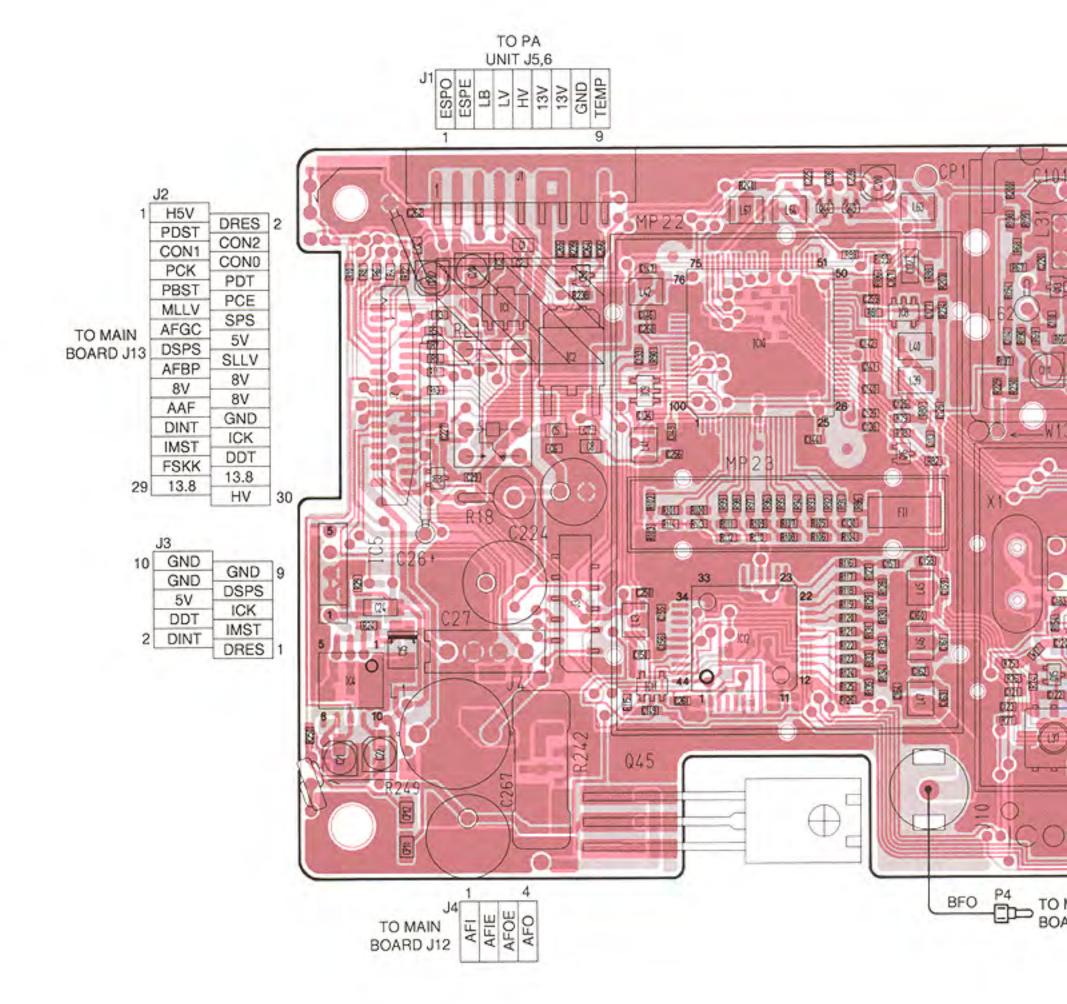


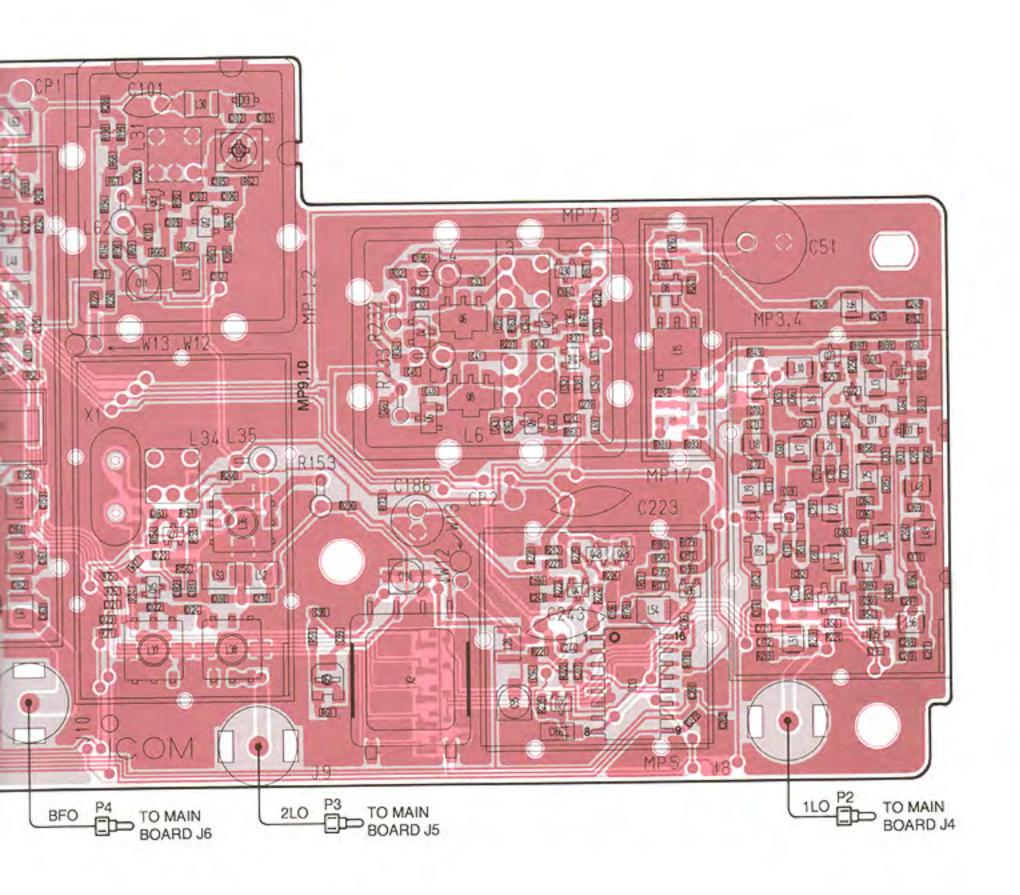


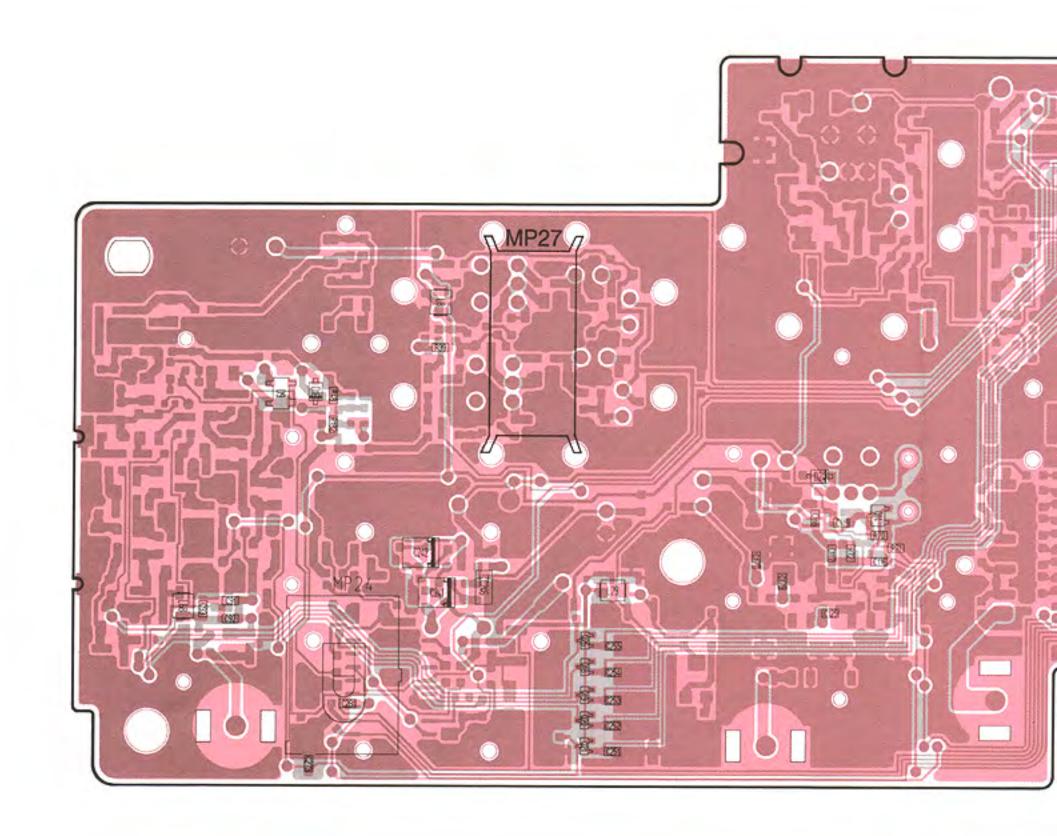


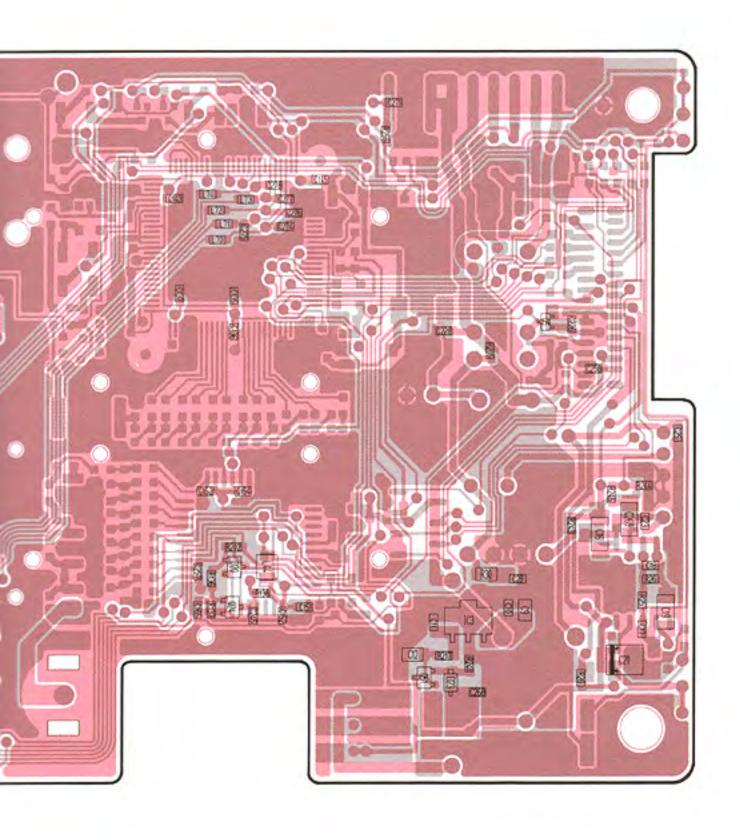


8-3 PLL UNIT

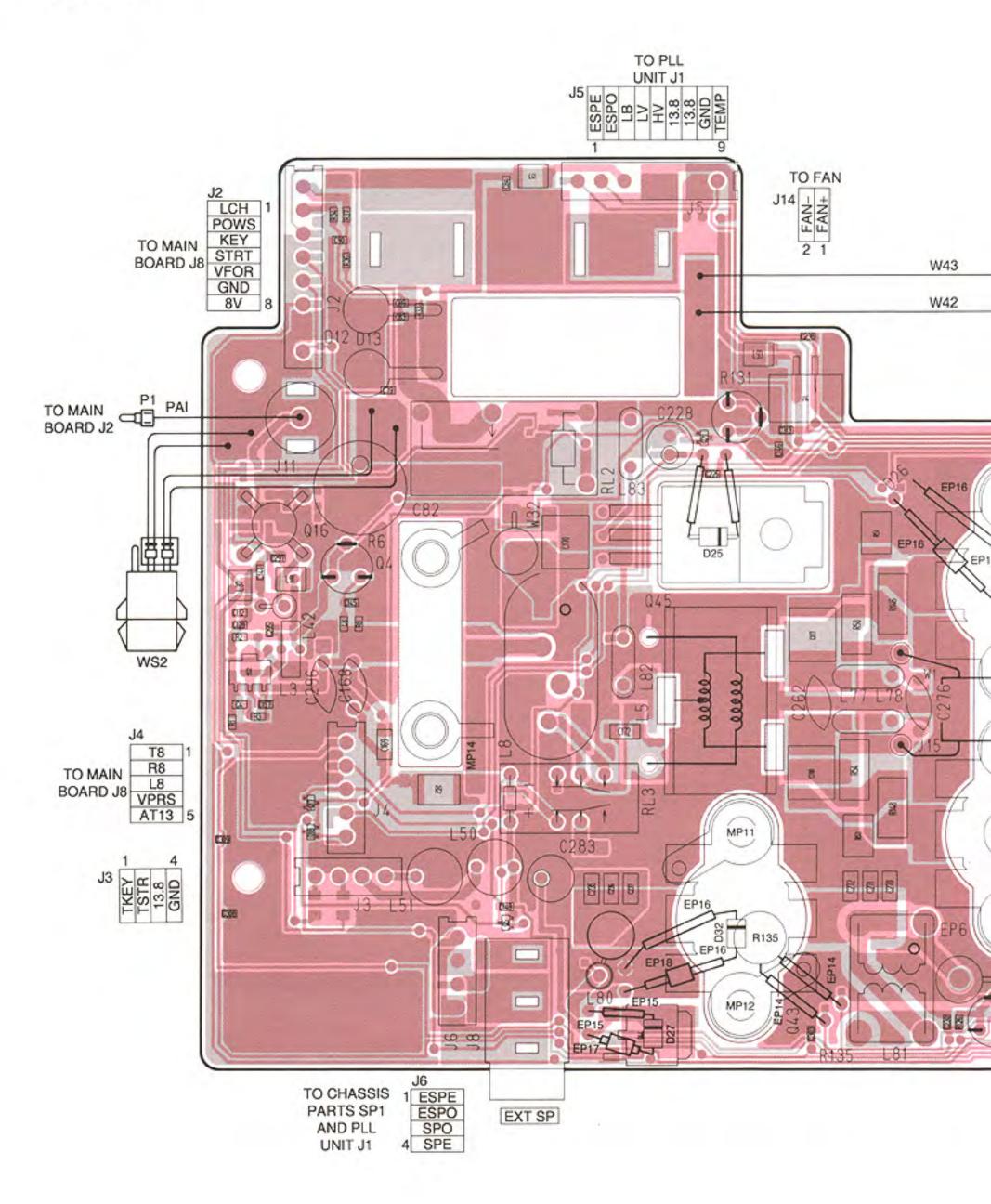


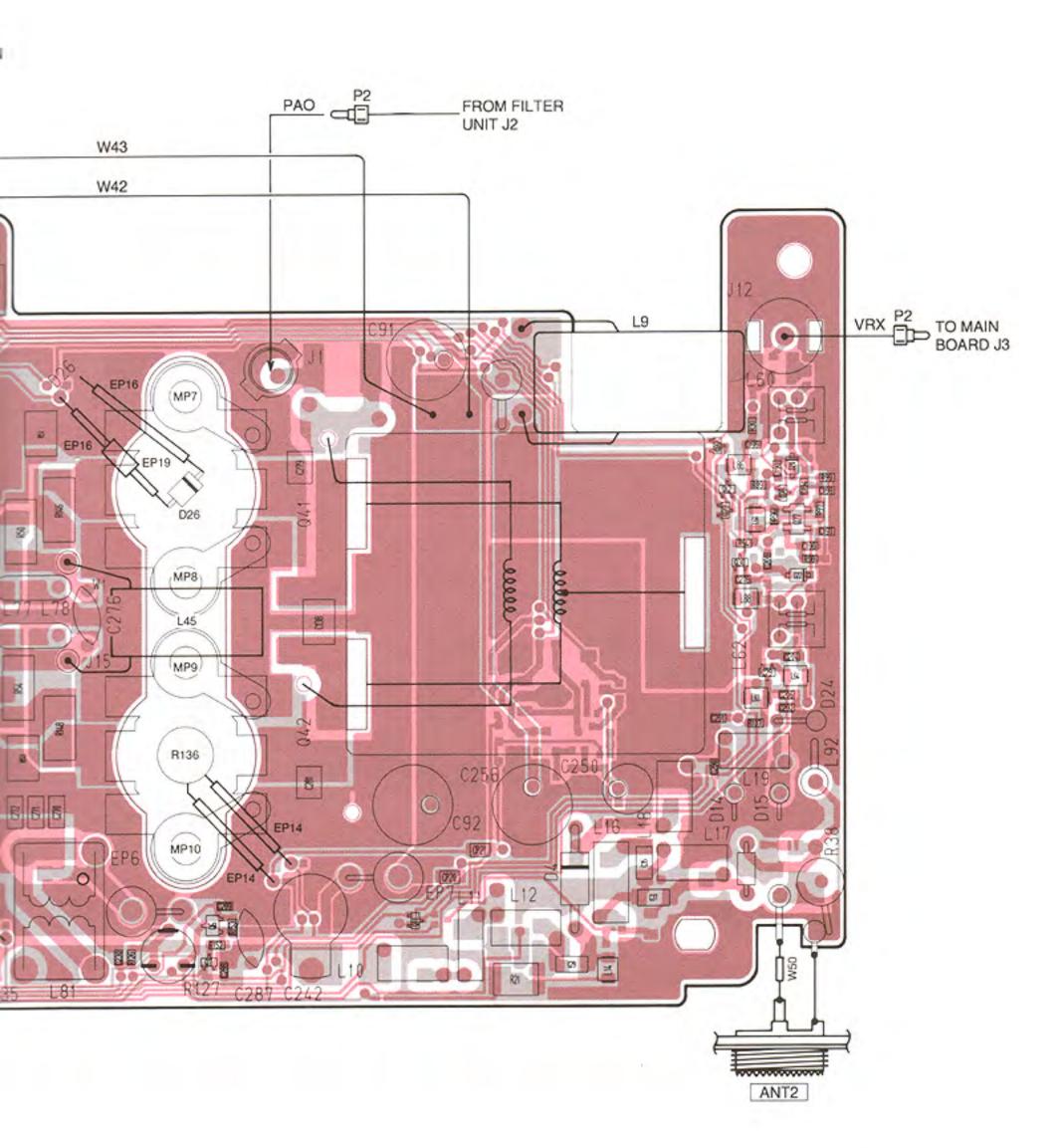


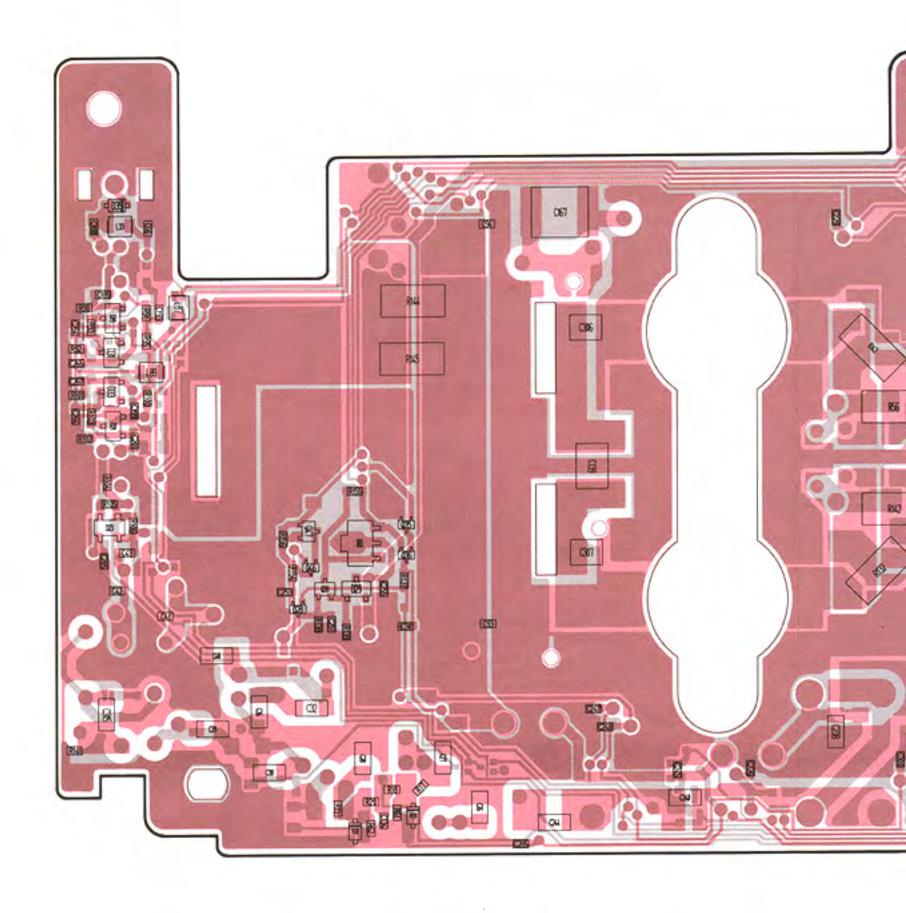


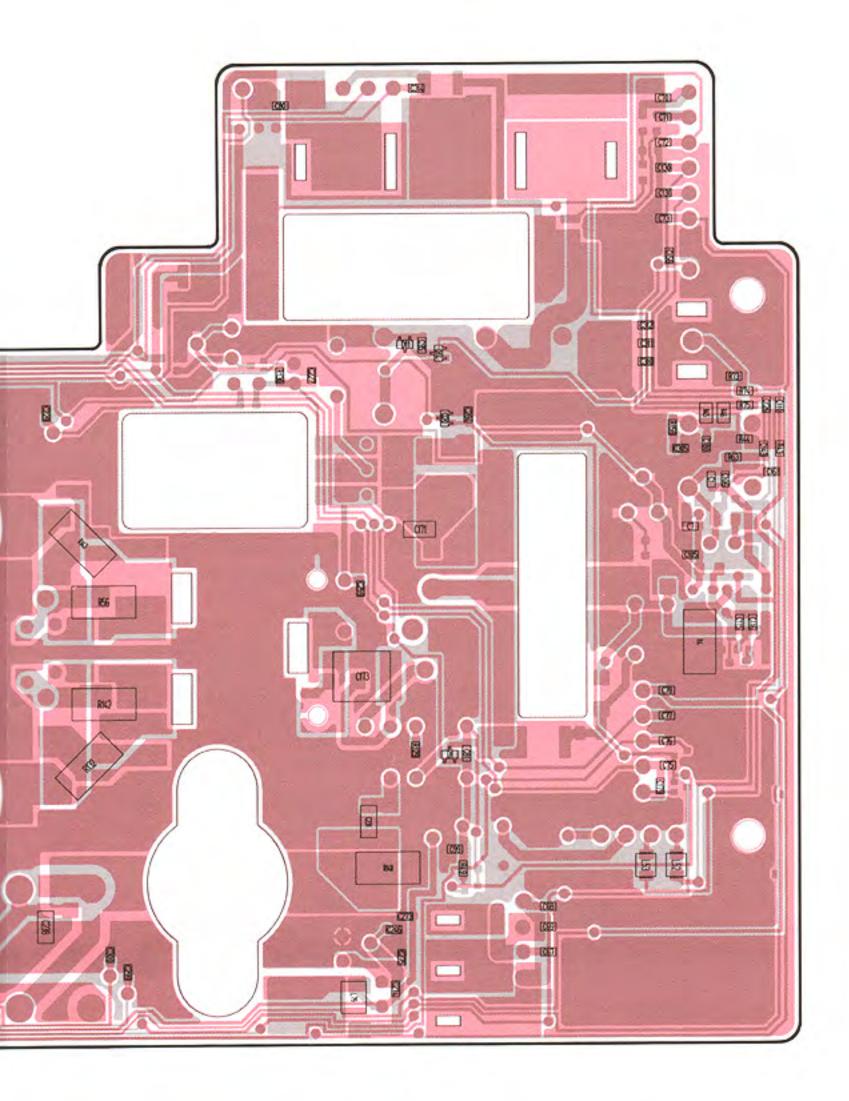


8-4 PA UNIT

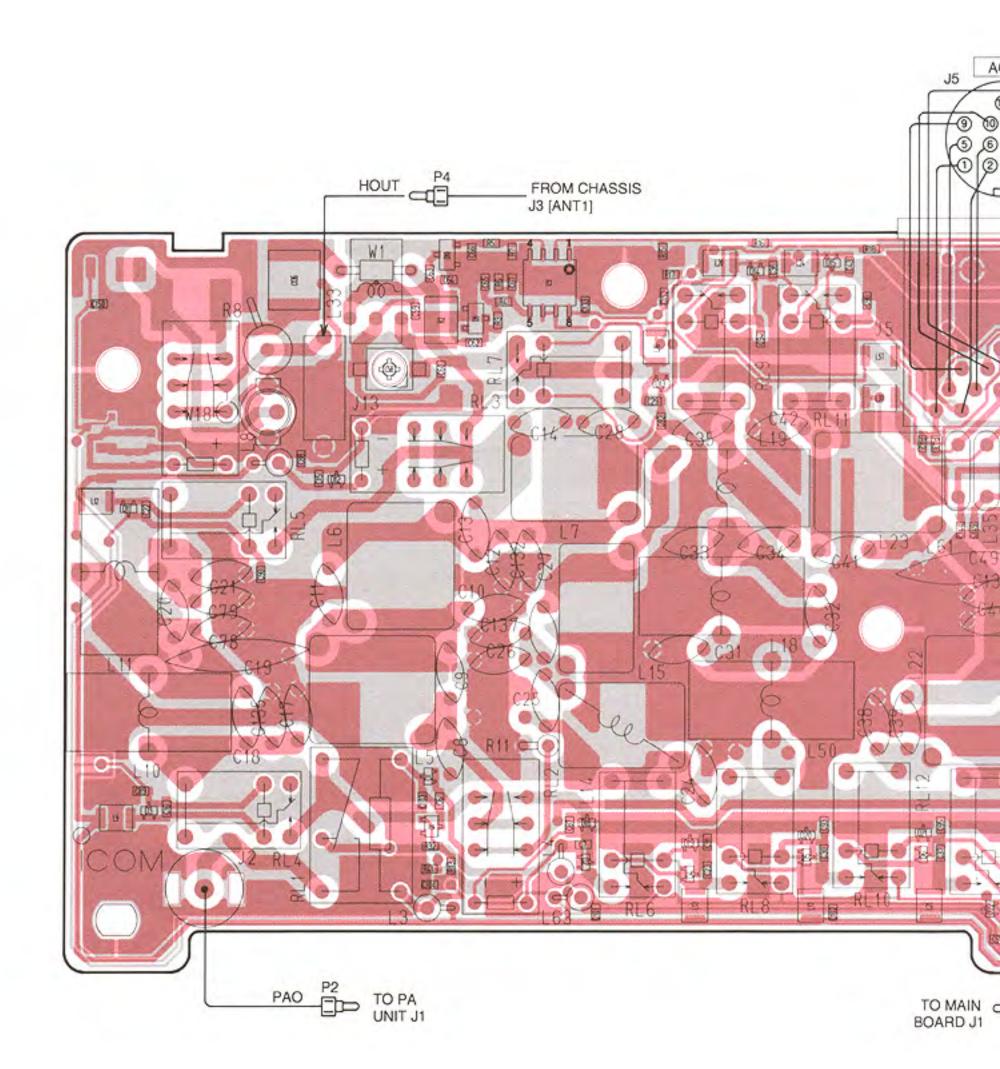


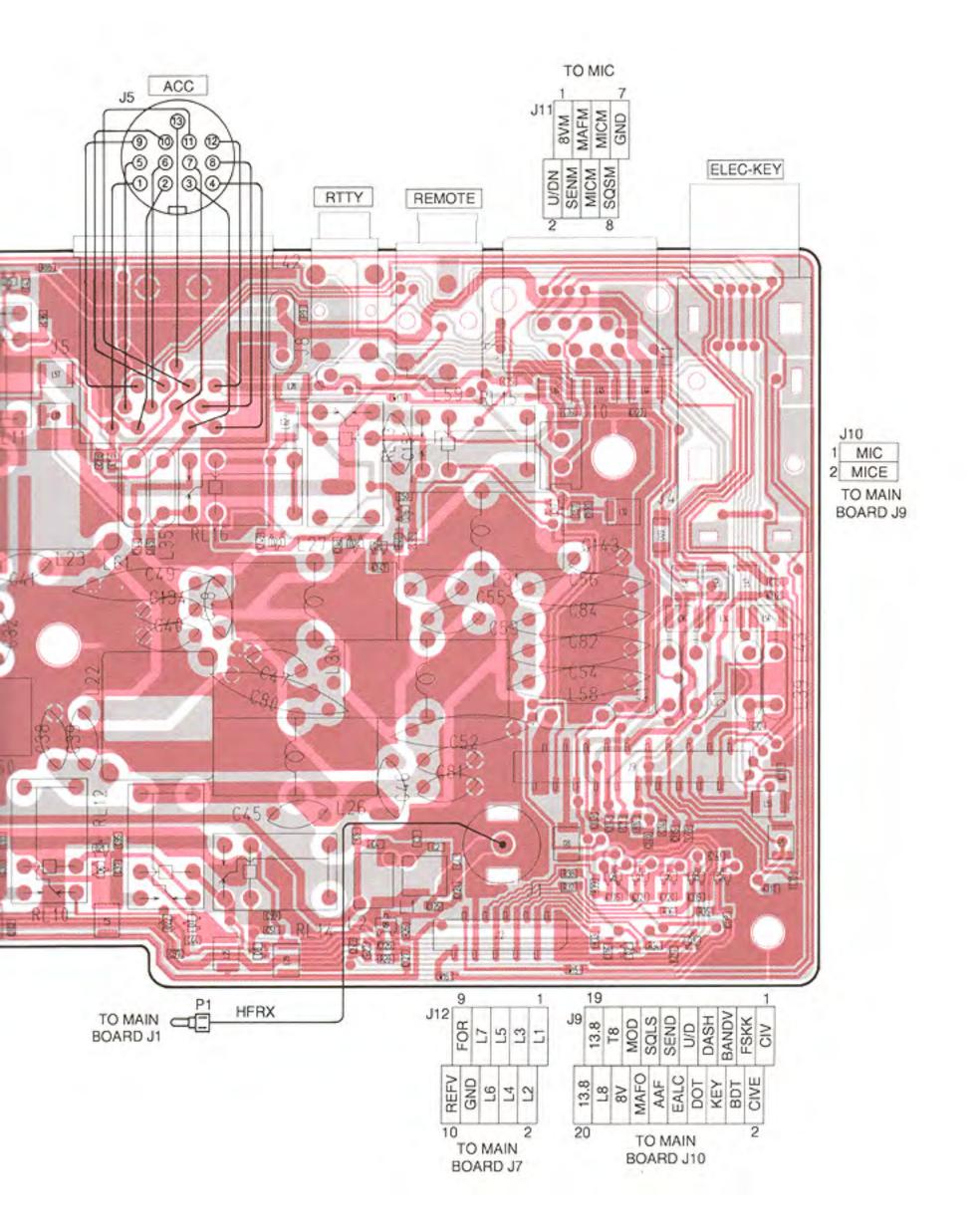




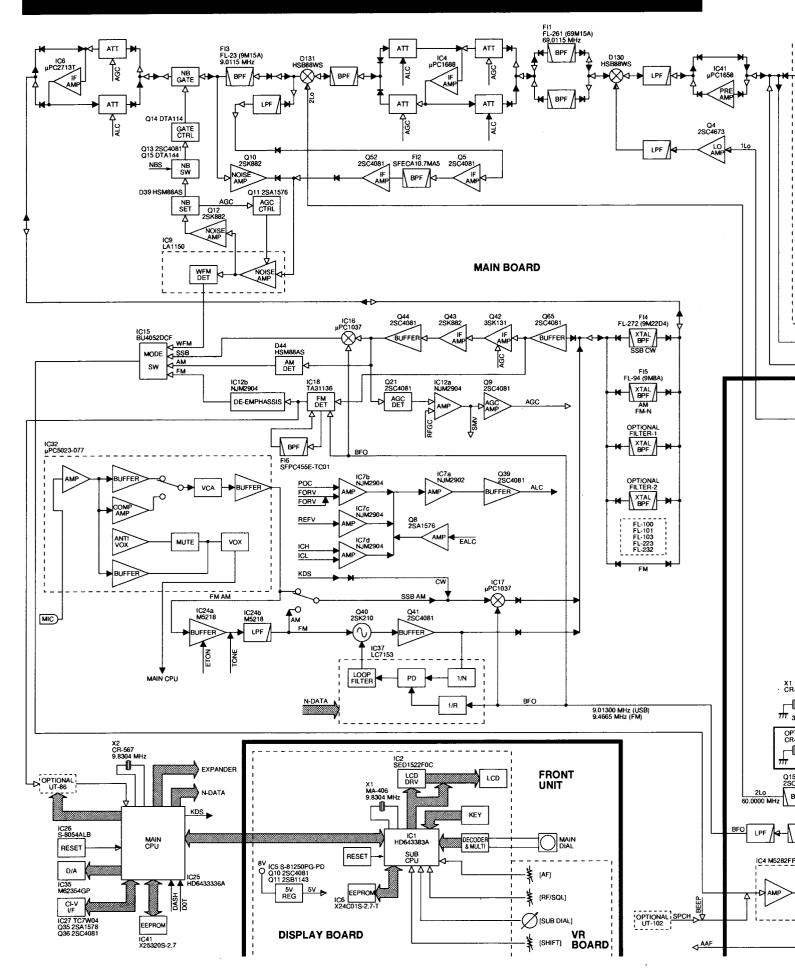


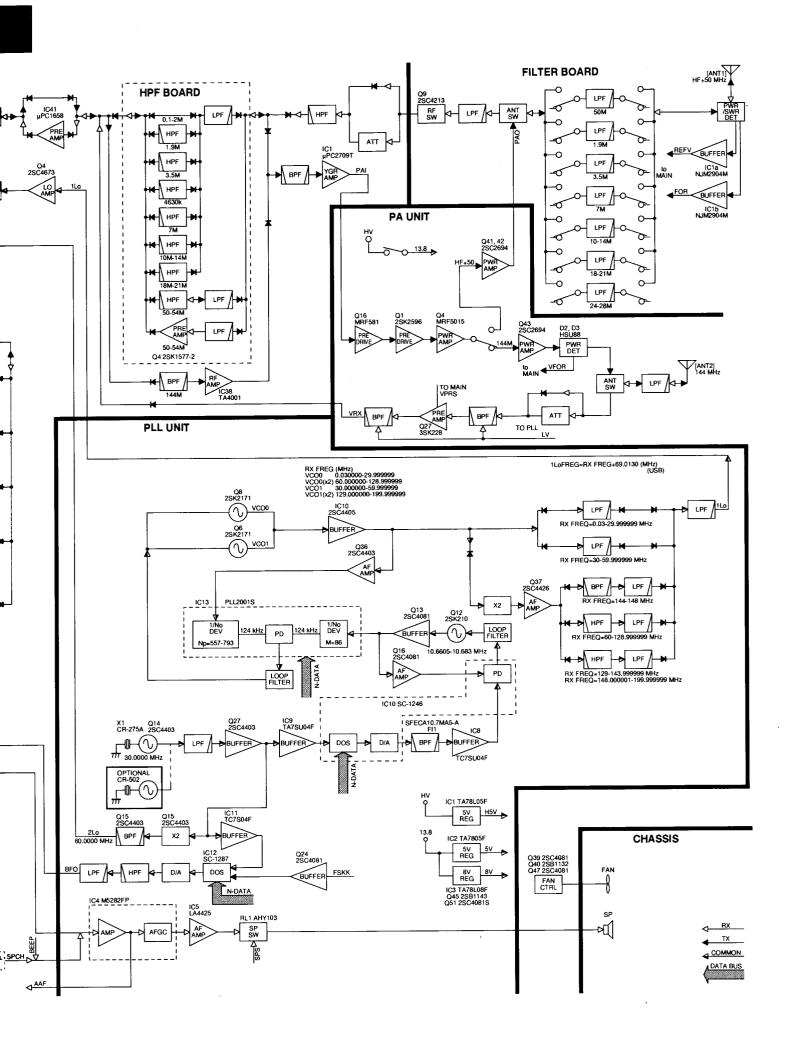
8-5 FILTER BOARD

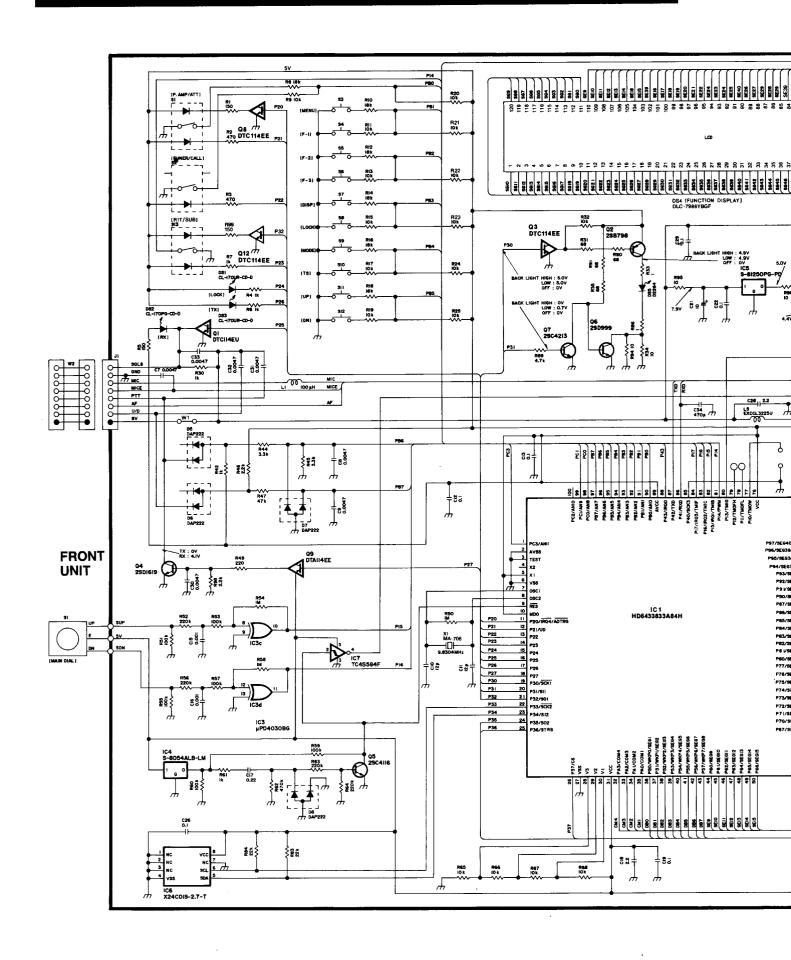


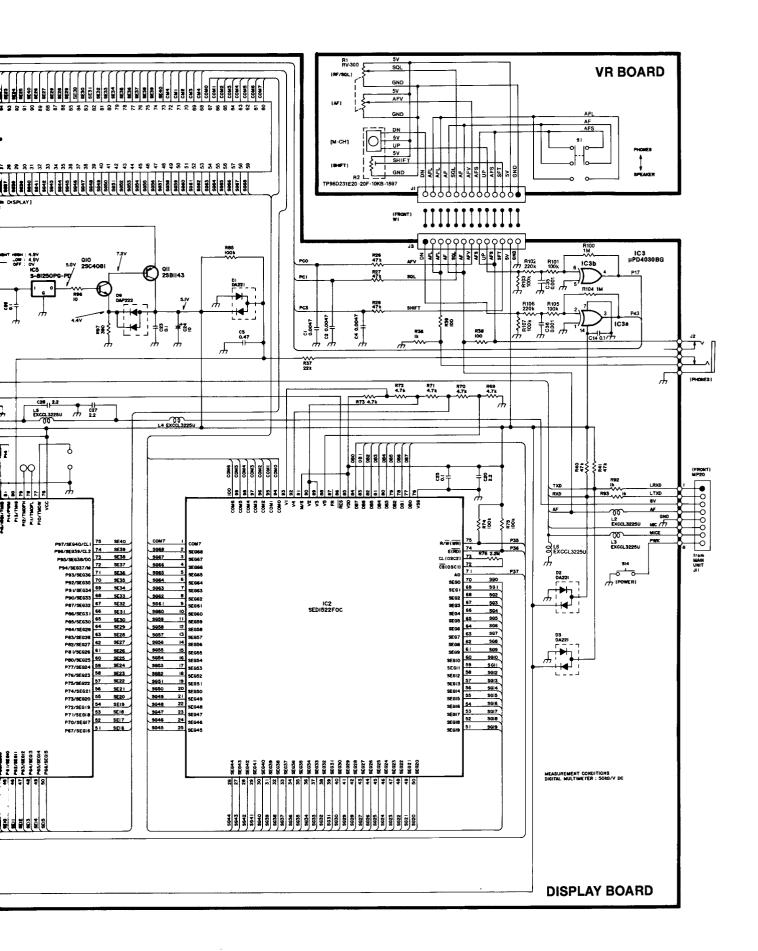


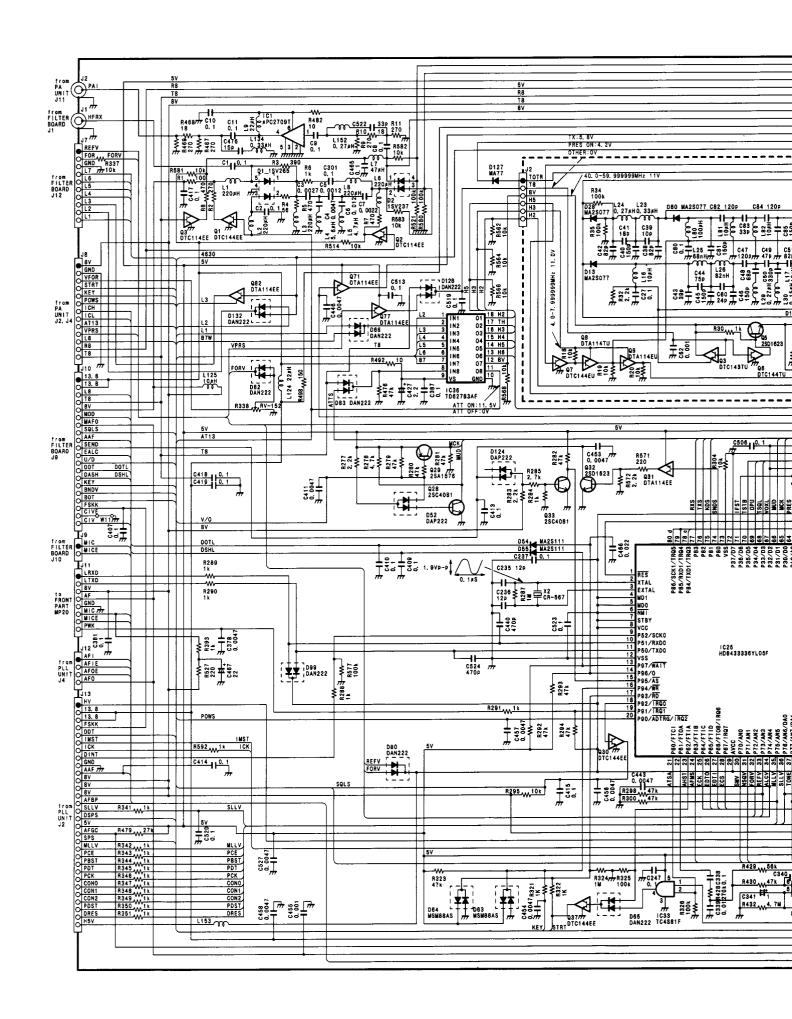
SECTION 9 BLOCK DIAGRAM

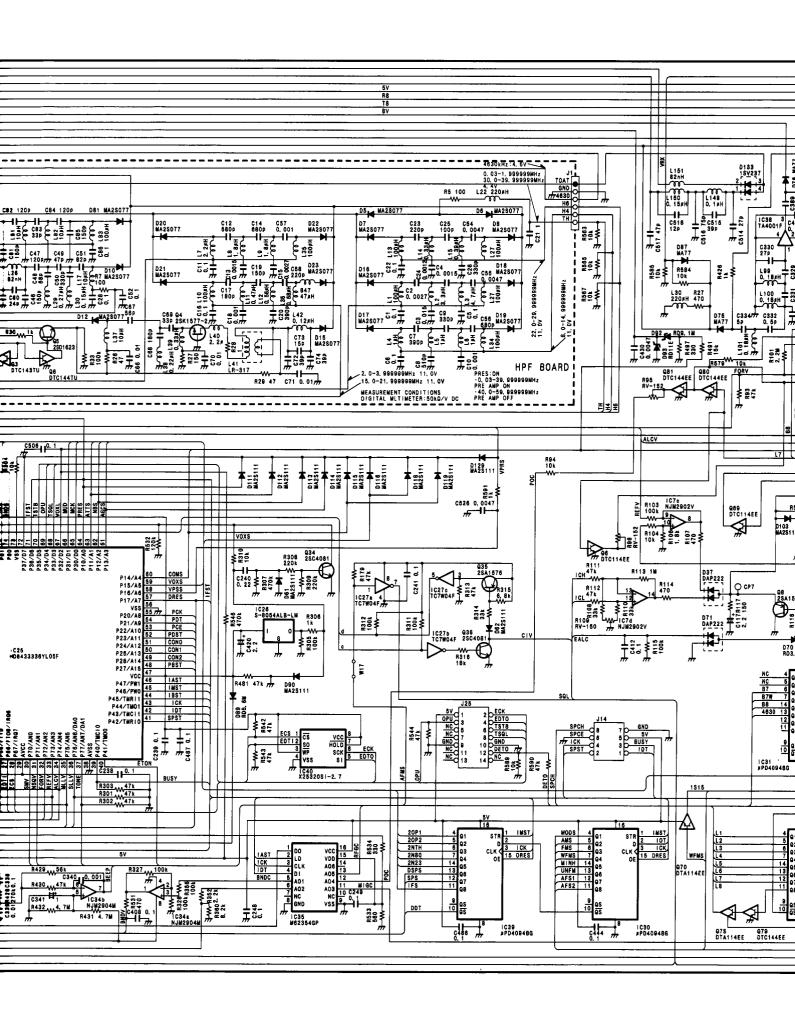


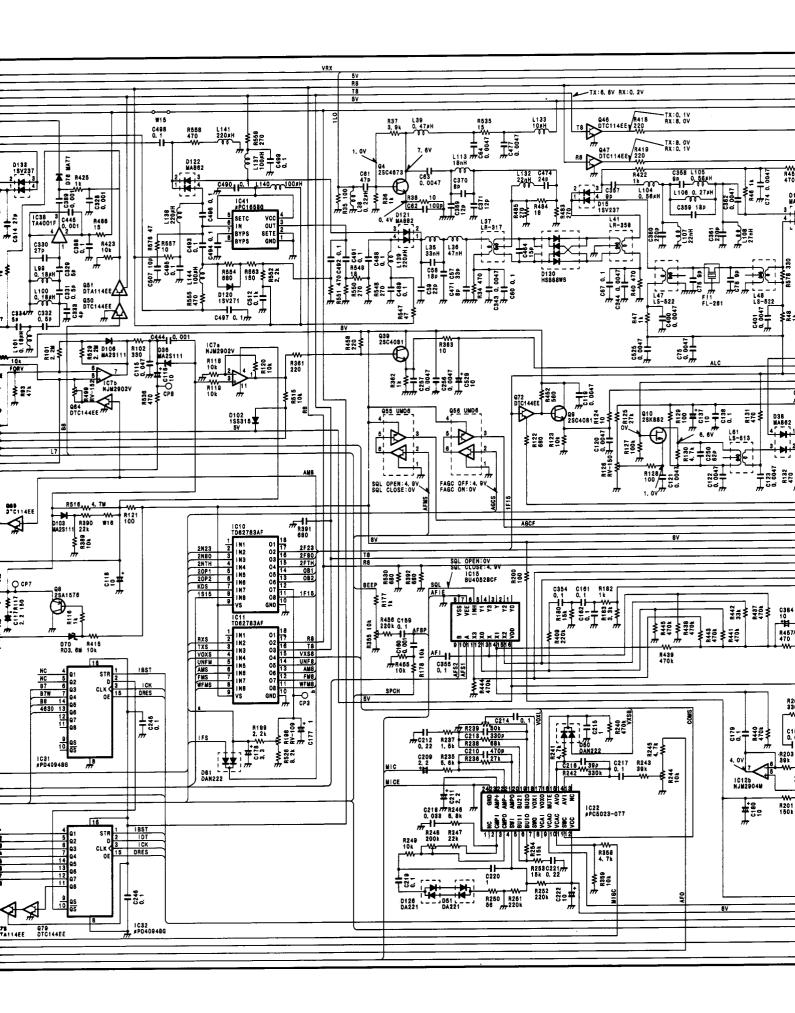


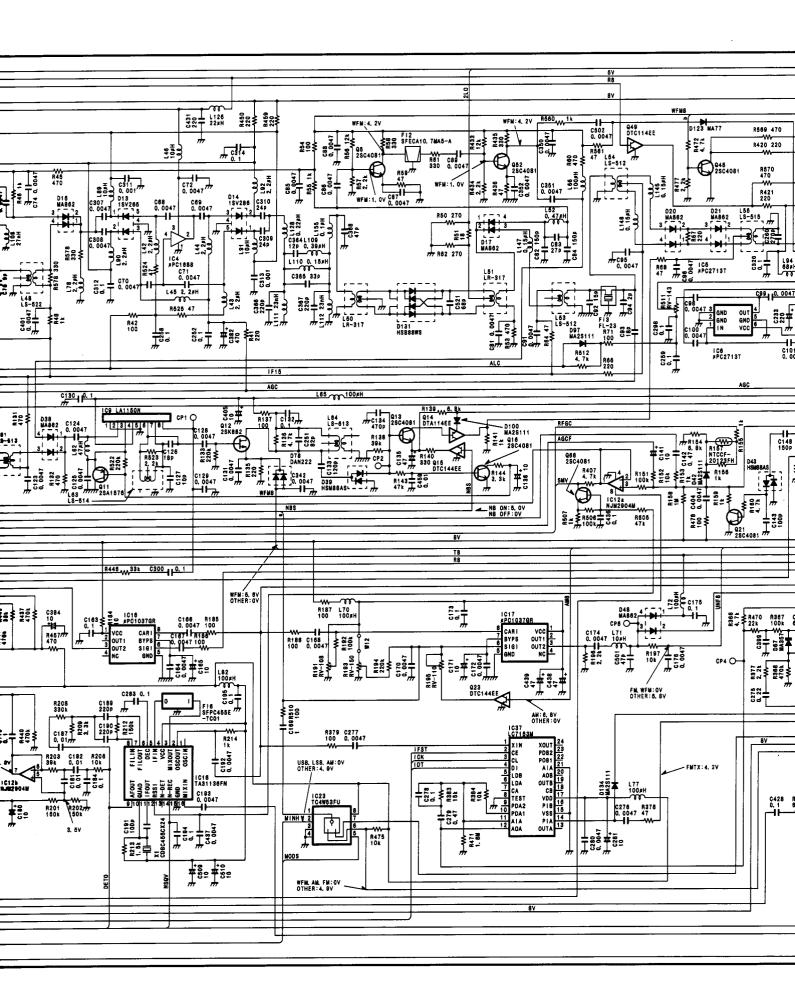


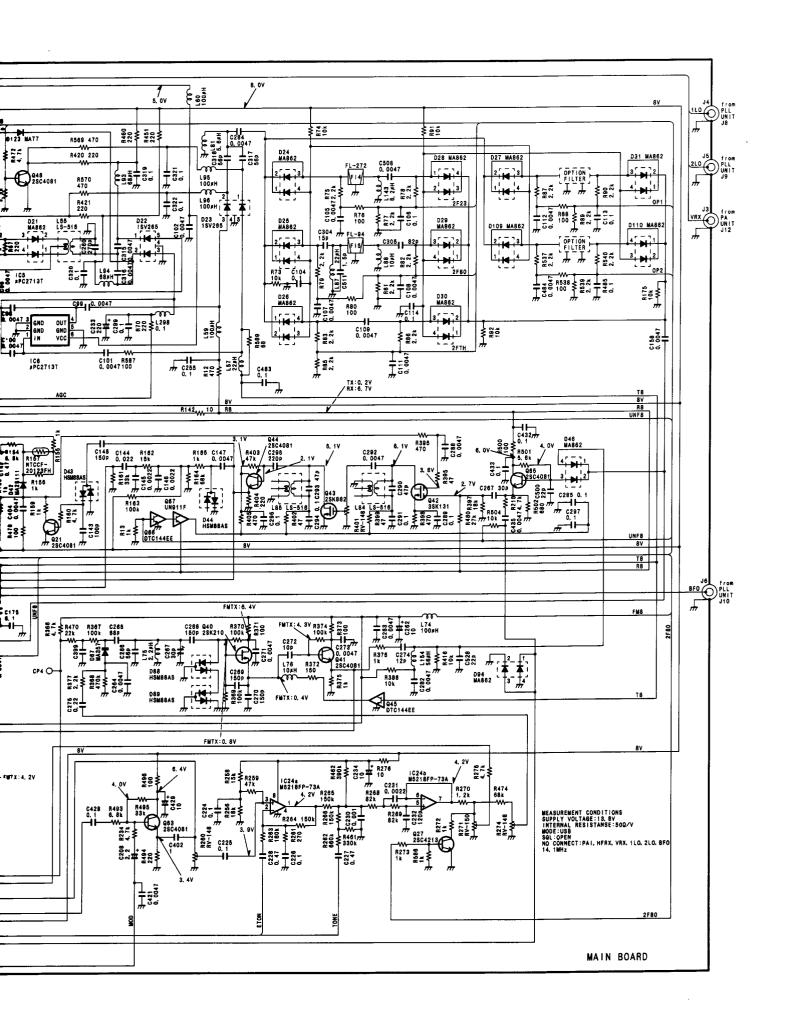


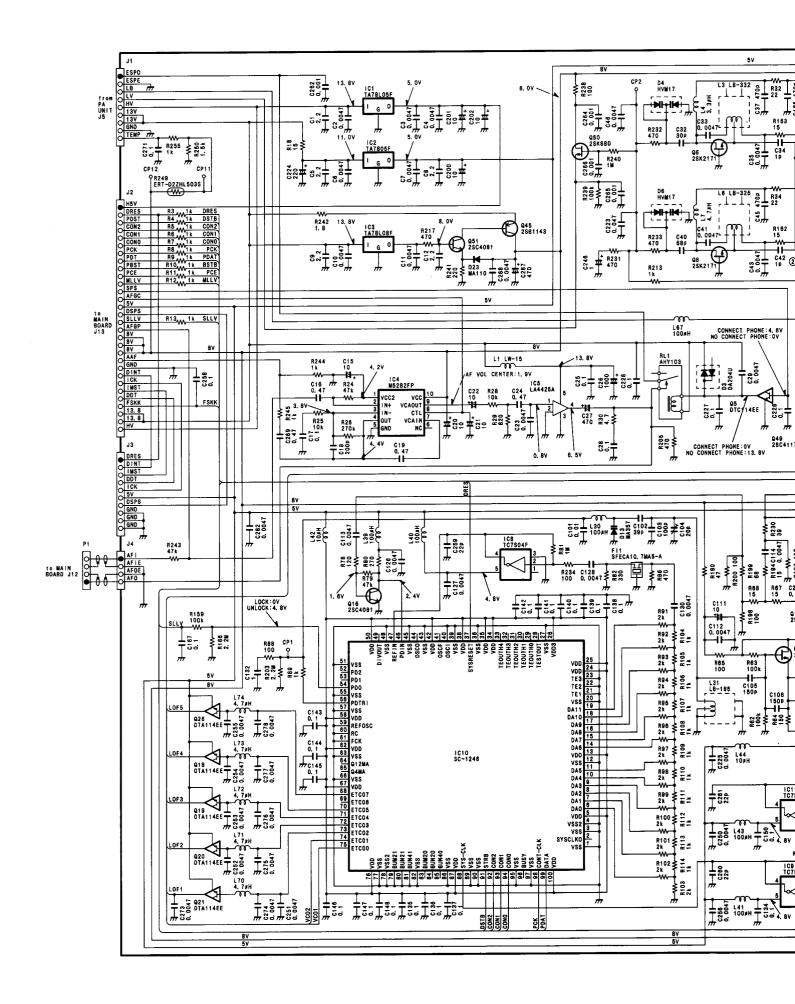


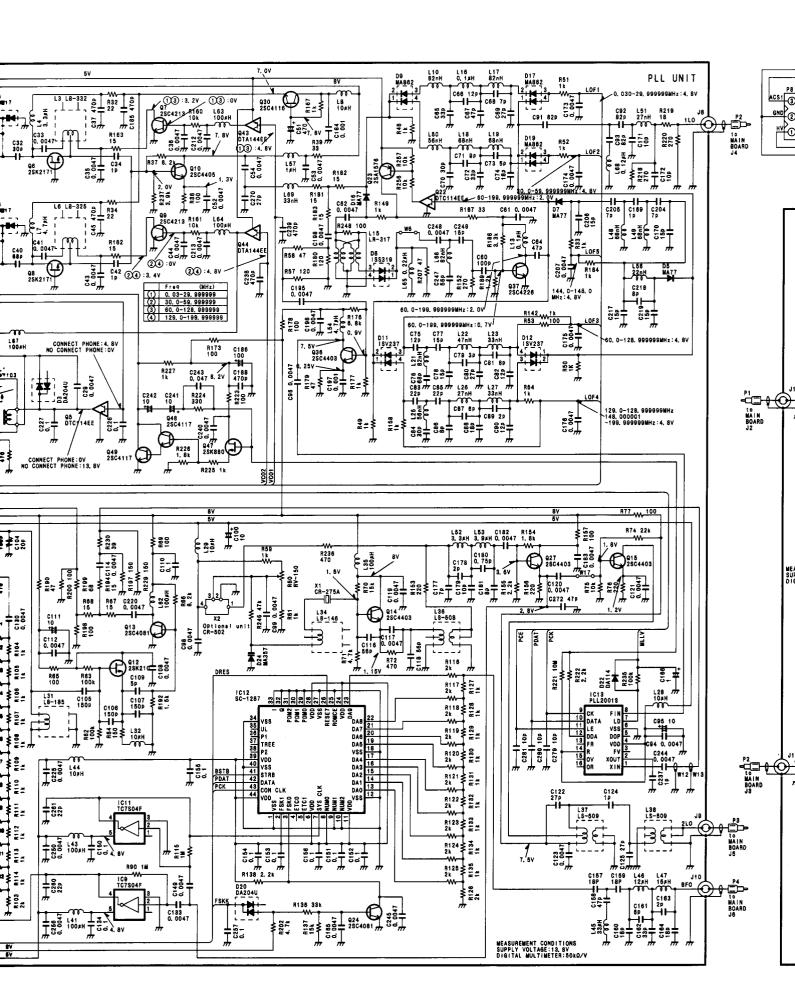


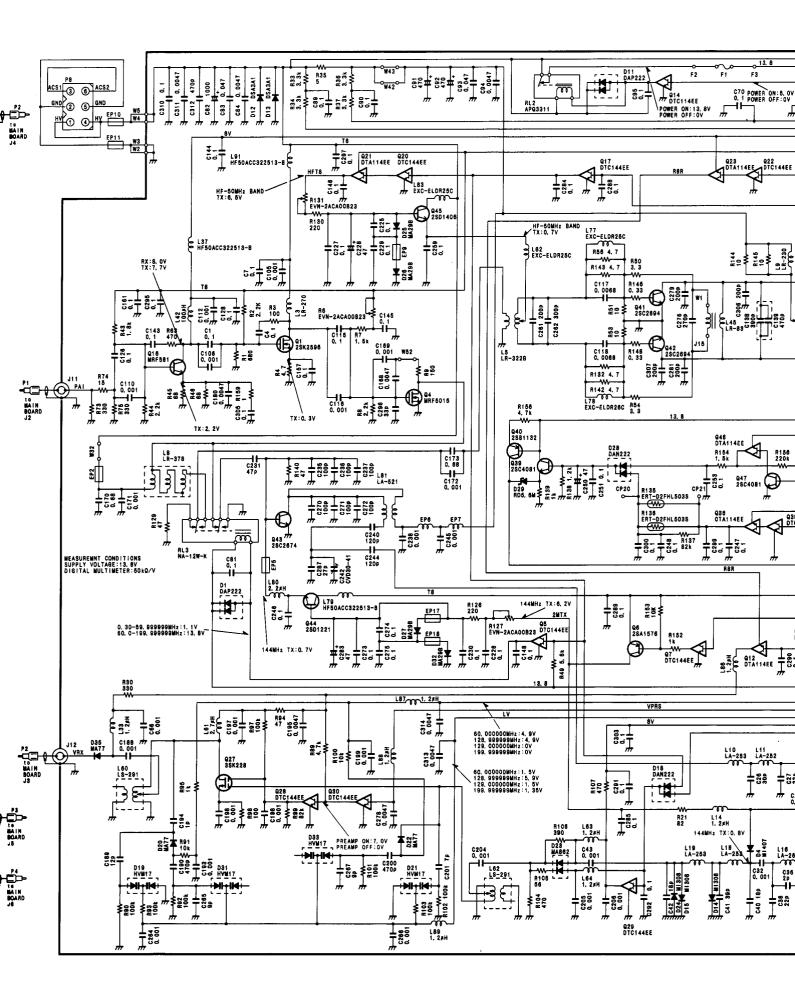


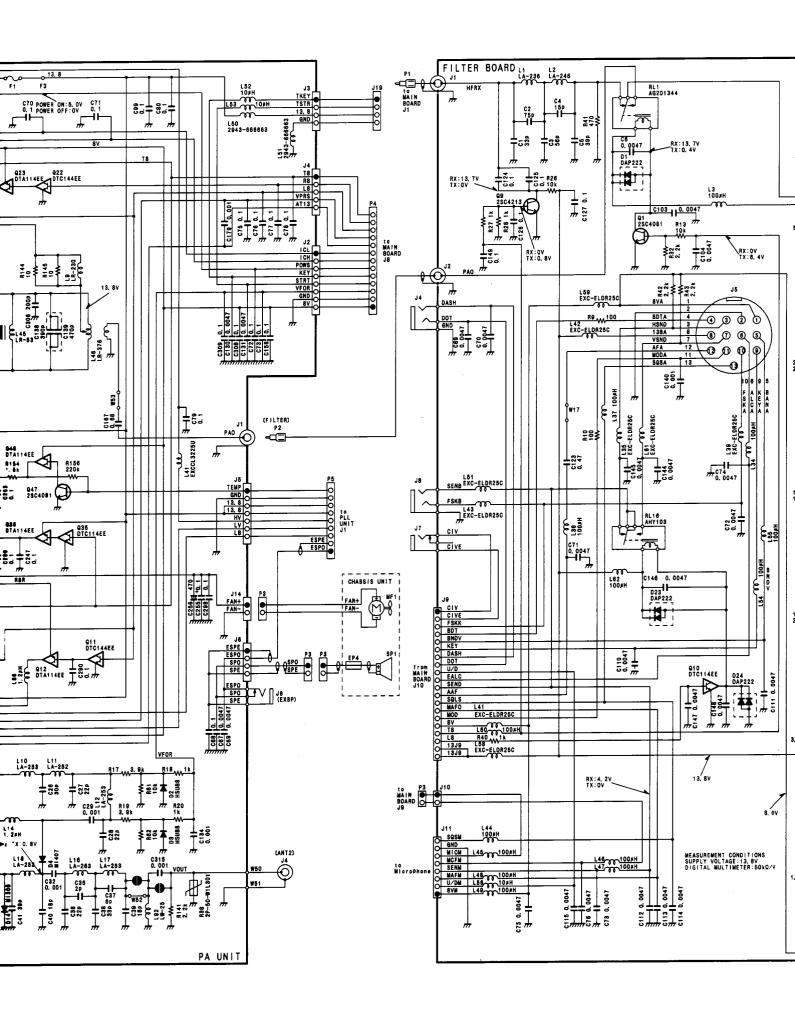


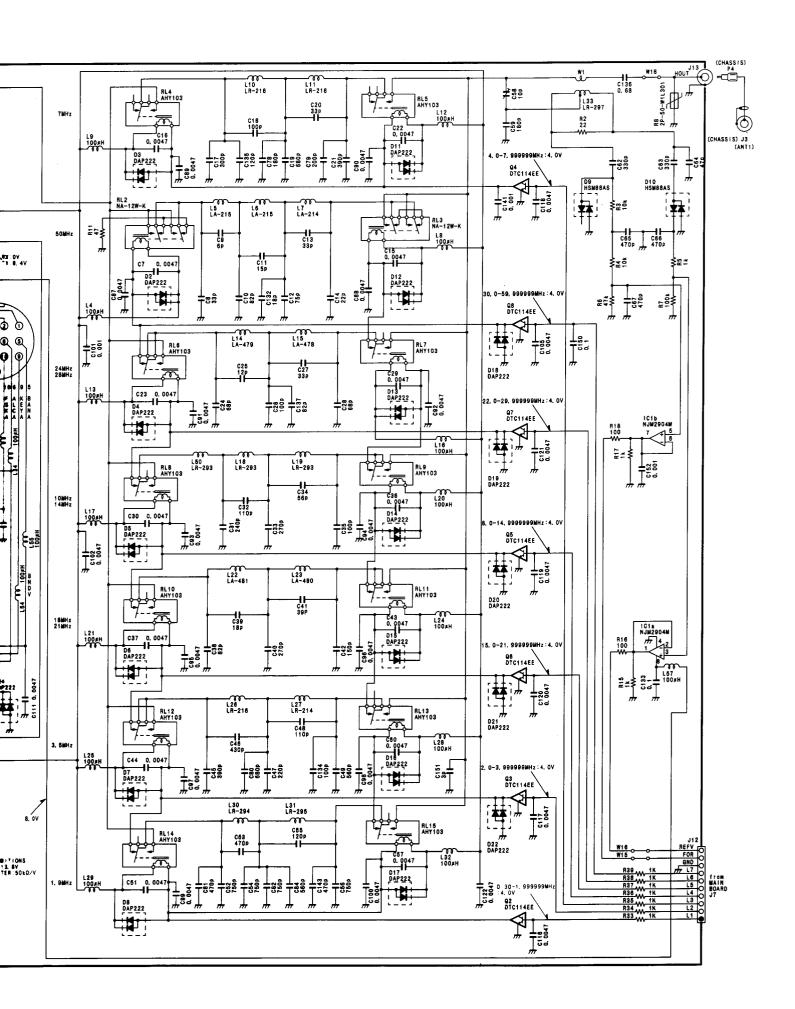












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