



SERVICE MANUAL

MF/HF MARINE TRANSCEIVER
IC-M801GMDSS
HF AUTOMATIC ANTENNA TUNER
AT-141

S-14216HZ-C1

Jun. 2006

Icom Inc.

INTRODUCTION

This service manual describes the latest service information for the **IC-M801GMDSS** MF/HF MARINE TRANSCEIVER and **AT-141** HF AUTOMATIC ANTENNA TUNER at the time of publication.

| MODEL | VERSION | INPUT VOLTAGE |
|--------------|---------|---------------|
| IC-M801GMDSS | EUR | 24 V |
| | EUR-1 | 12 V |

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

PRECAUTIONS

Never connect the transceiver to an AC outlet or to a DC power supply that uses more than 15.6 V or 31.2 V DC (depending on the transceiver version). Such a connection could cause a fire or electric hazard.

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 Icom parts number
2. Component name and informations
3. Equipment model name and unit name
4. Quantity required

<SAMPLE ORDER>

1110006870 S.IC μ PC2709TB IC-M801GMDSS Main unit 5 pieces
8810009650 Screw FH BT M3x8 NI-ZU IC-M801GMDSS Chassis 10 pieces

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

REPAIR NOTES

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

SERVICE MANUAL

MF/HF MARINE TRANSCEIVER

IC-M801GMDSS

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SECTION 1 SPECIFICATIONS

■ General

- Frequency coverage : (Unit: MHz)

| | | |
|----------|--------------|--------------|
| Receive | 0.5–29.9999 | |
| Transmit | 1.6–2.9999 | 4.0–4.9999 |
| | 6.0–6.9999 | 8.0–8.9999 |
| | 12.0–13.9999 | 16.0–17.9999 |
| | 18.0–19.9999 | 22.0–22.9999 |
| | 25.0–27.5000 | |
- DSC channels : 2.1875 MHz, 4.2075 MHz, 6.3120 MHz, 8.4145 MHz, 12.5770 MHz, 16.8045 MHz
- Type of emission :

| | |
|--------------|--|
| Transceiver | J3E (USB/LSB*), H3E,* J2B (AFSK), F1B (FSK), A1A* (CW) |
| DSC receiver | F1B |
- No. of memory Ch. : 1205 channels (max.)
160 user programmable, 249 ITU SSB duplex, 124 ITU SSB simplex, 662 ITU FSK duplex and 10 Semi/Auto channels
- Antenna connector : SO-239×2 (50 Ω)
- Usable temp. range : –15°C to +55°C
- Frequency stability : ±10 Hz
(Approx. 5 min. after battery connection.)
- Power supply :

| | |
|-----------------|----------------------------------|
| 12 V DC version | 10.8–15.6 V DC (floating ground) |
| 24 V DC version | 21.6–31.2 V DC (floating ground) |
- Current drain :

| | | |
|-----------------|---------------|-----------------|
| 12 V DC version | | |
| Transmit | at max. power | 60 A |
| Receive | at max. audio | Less than 6.0 A |
| 24 V DC version | | |
| Transmit | at max. power | 30 A |
| Receive | at max. audio | Less than 3.0 A |
- Dimensions (projections not incl.):

| | |
|-------------------------|--------------------------|
| Main unit | 367(W)×95(H)×260(D) mm |
| Controller (RC-25GMDSS) | 220(W)×110(H)×84.4(D) mm |
| Speaker (SP-24E) | 110(W)×110(H)×84.4(D) mm |
- Weight (approx.) :

| | |
|-------------------------|--------|
| Main unit | 8.5 kg |
| Controller (RC-25GMDSS) | 570 g |
| Speaker (SP-24E) | 370 g |
- CONTROLLER connector: 8-pin connector
- GPS connector : RCA (NMEA0183 ver. 3.01)
- REMOTE connector : D-sub 9-pin (RS-232C/NMEA)
- AF/MOD connector : D-sub 9-pin
- PRINTER connector : D-sub 25-pin

■ Transmitter

- Output power (with AT-141) :

| | |
|-----------------|-----------|
| 1.6–3.9999 MHz | 85 W p-p |
| 4.0–27.5000 MHz | 125 W p-p |
- Spurious emission : 43 dB below peak output power
- Carrier suppression : 40 dB below peak output power
- Unwanted sideband suppression : 55 dB below peak output power (w/1 kHz AF input; at max power)
- Mic. connector : 8-pin connector (2.4 kΩ)

■ Receiver

- Sensitivity :

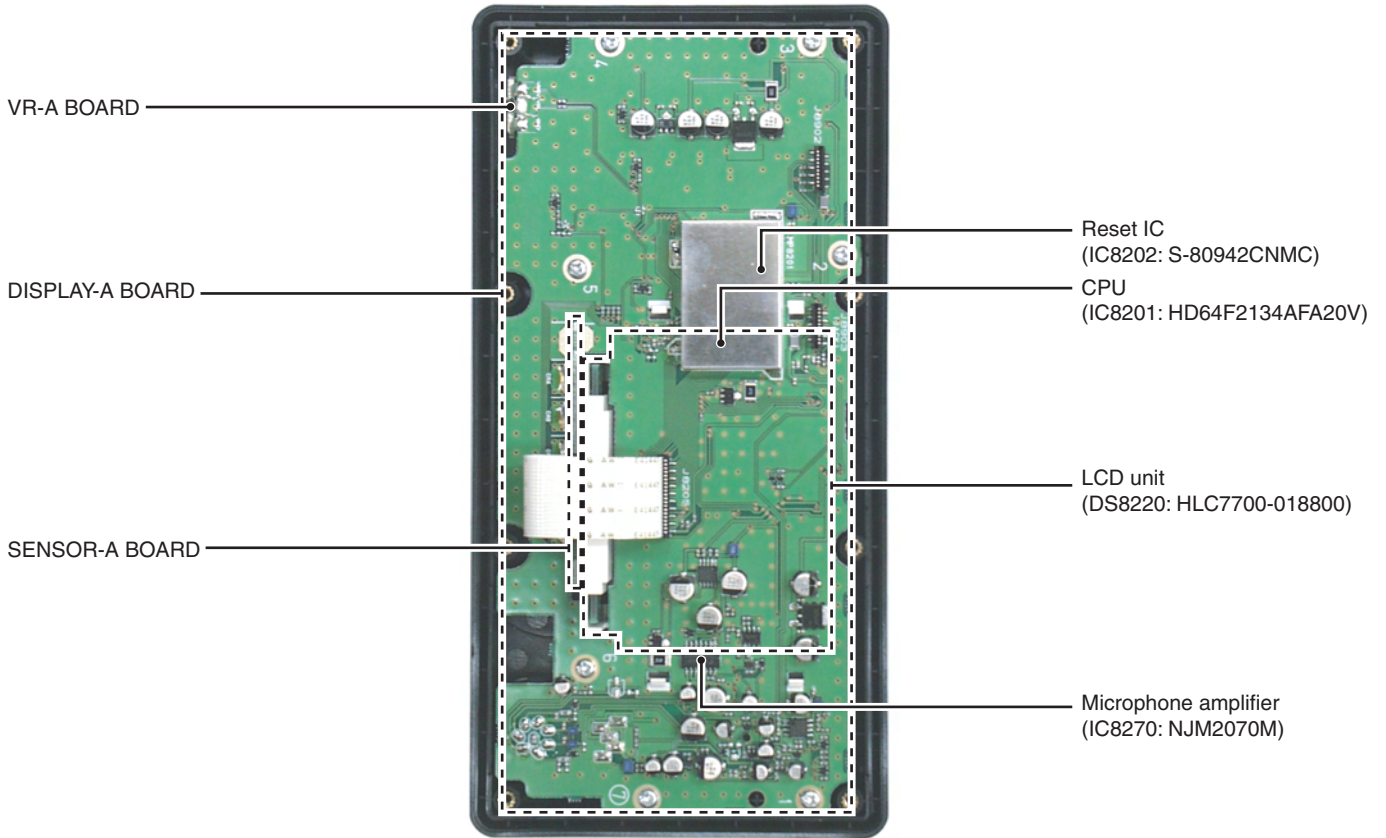
| | |
|------------------------|--|
| Transceiver | |
| J3E, A1A (20 dB SINAD) | 30 dBμV emf (0.5–1.5999 MHz) 13 dBμV emf (1.6–1.7999 MHz) 8 dBμV emf (1.8–29.9999 MHz) |
| J2B, F1B (20 dB SINAD) | 13 dBμV emf (1.6–1.7999 MHz) 8 dBμV emf (1.8–29.9999 MHz) |
| H3E (20 dB SINAD) | 44 dBμV emf (0.5–1.5999 MHz) 30 dBμV emf (1.6–1.7999 MHz) 24 dBμV emf (1.8–3.9999 MHz) |
| DSC receiver | 0 dBμV emf (all channels) |
- Spurious response rejection ratio:

| | |
|--------------|---|
| Transceiver | |
| | More than 70 dB (0.5–29.9999 MHz) |
| DSC receiver | |
| | More than 60 dB (1st image) More than 50 dB (except 1st image) |
- AF output power : More than 4.0 W at 10% distortion with a 4 Ω load
- CLARITY variable range: ±150 Hz
- Headphone connector : 3-conductor 3.5 (d) mm
- SP connector : 2-conductor 3.5 (d) mm/4 Ω

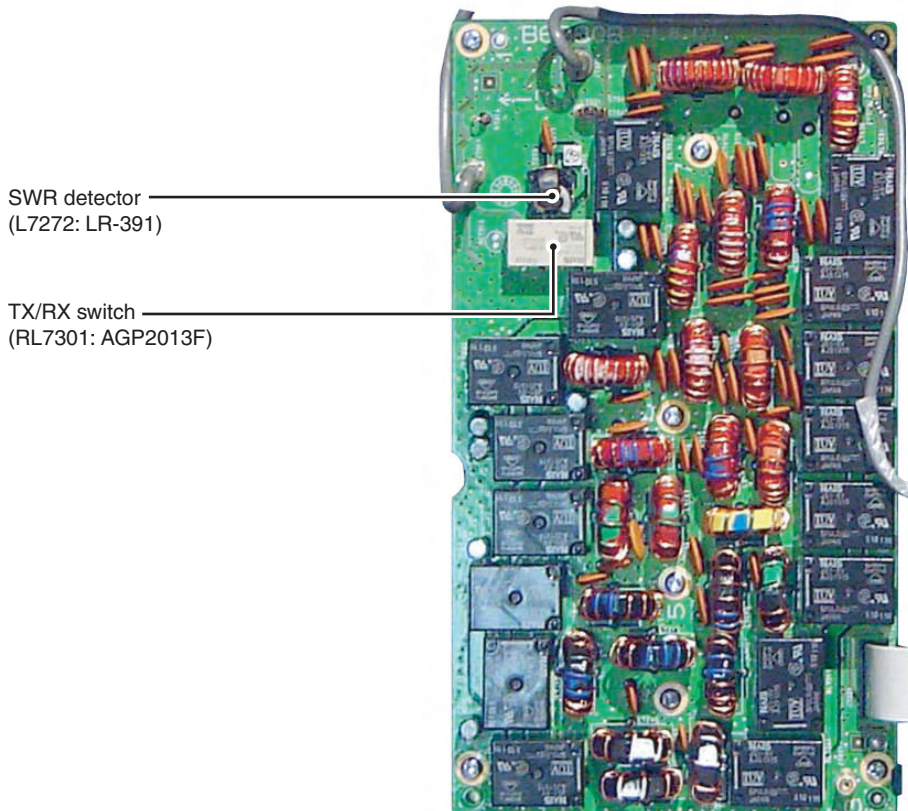
All stated specifications are typical and subject to change without notice or obligation.

SECTION 2 INSIDE VIEWS

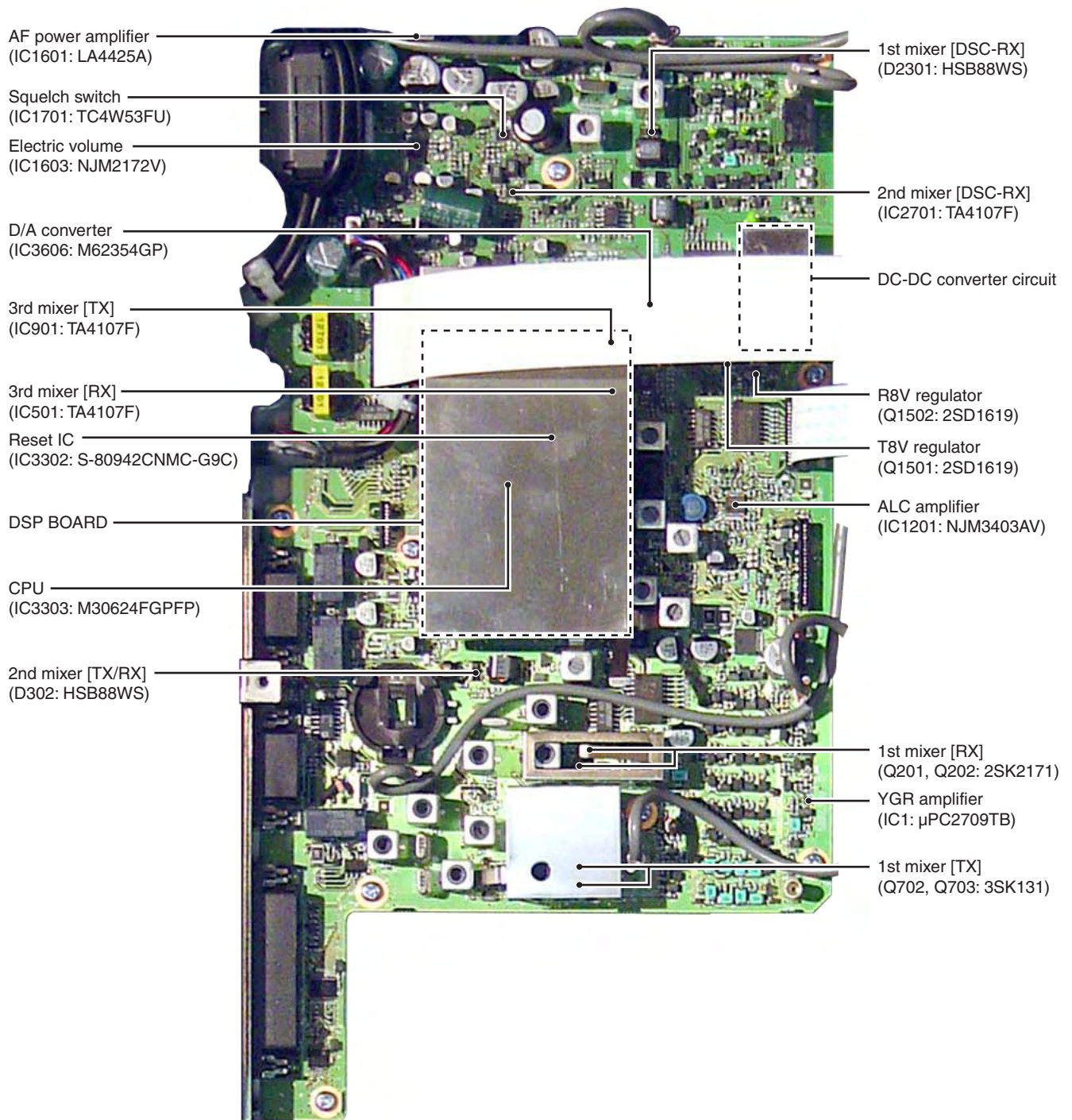
• RC-25GMDSS



• FILTER UNIT



• MAIN UNIT



• PLL UNIT

8VL regulator
(IC5031: TA7808F)

DDS IC [D2Lo]
(IC5901: SC-1287)

+5V regulator
(IC5001: TA7805F)

Reference oscillator
(X5251: CR-604)

M2Lo circuit
(Q5202: 2SC4215)

VCO circuit
(Q5301: 2SK210)
(D5301: MA338)

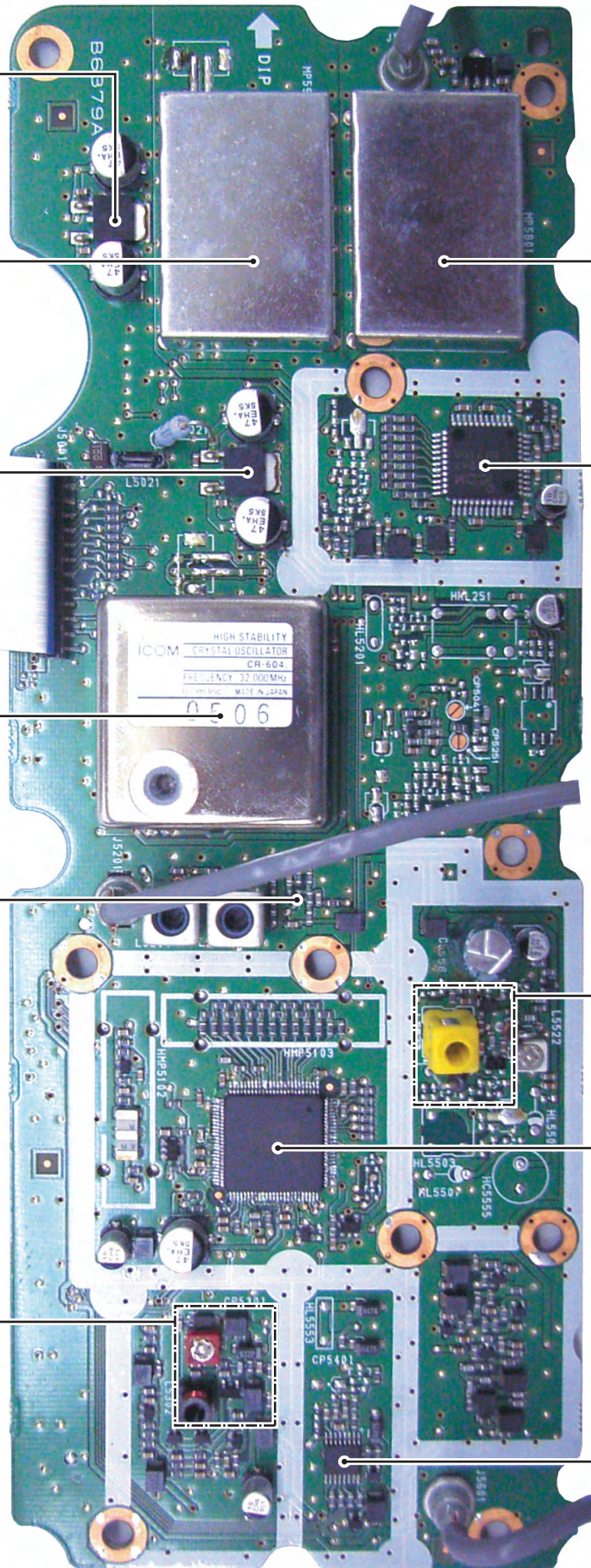
DDS IC [D1Lo]
(IC5801: SC-1287)

DDS IC [M3Lo]
(IC5701: SC-1287)

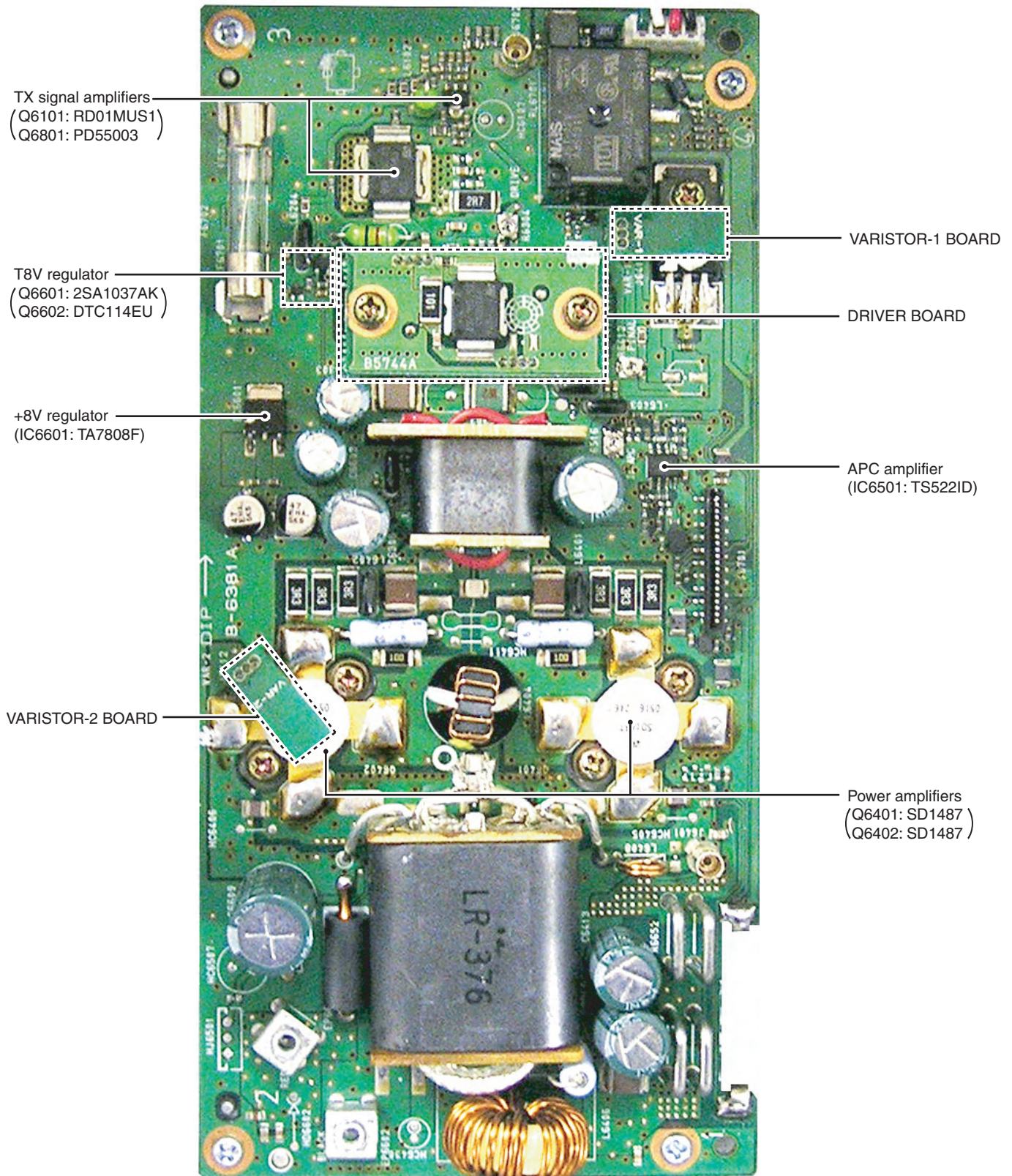
Main loop VCO circuit
(Q5521: 2SK508-A)
(D5521: KV1770S)
(L5523: #544GN-110248)

DDS IC
(IC5101: SC-1246A)

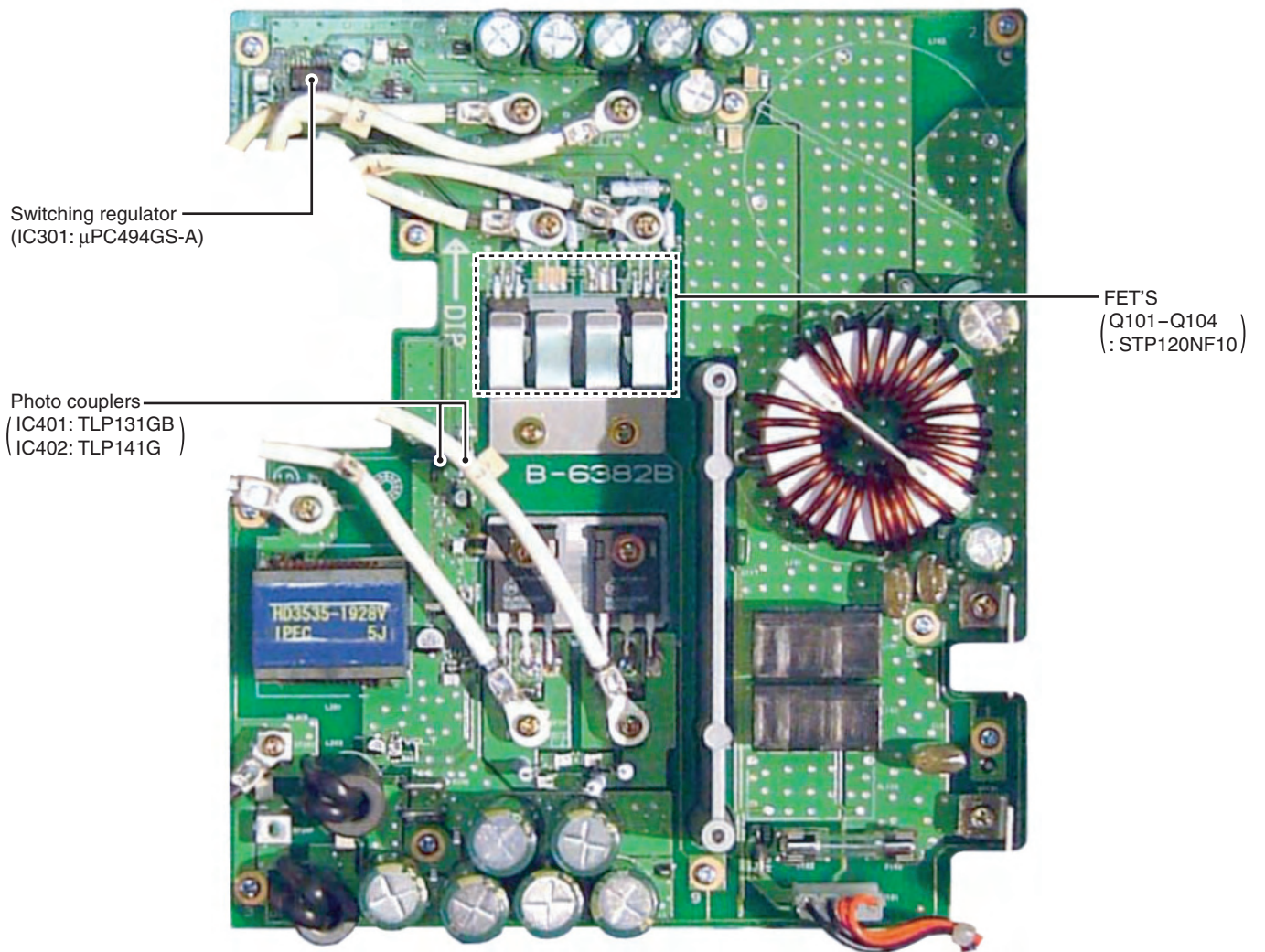
PLL IC
(IC5401: LMX2306TM)



• PA UNIT



• REG-DC UNIT



SECTION 3 CIRCUIT DESCRIPTION

3-1 RECEIVER CIRCUITS

3-1-1 RF FILTER CIRCUIT (MAIN UNIT)

Received signals from the antenna connector (CHASSIS; J4501) are applied to the TX/RX switch (FILTER unit; RL7301) which is controlled by the CPU (IC3303) as the "TRXS" signal. The switched signals pass through the 30 MHz cut-off low-pass filter (FILTER unit; L7321, C7321-C7323, C7325), and then applied to the MAIN unit via J51.

The filtered signals pass through the 1.6 MHz cut-off high-pass filter (L51-L54, C54, C56, C57, C59, C61-C64) and TX/RX switch (D53), and are then applied to one of the bandpass filters (including one low-pass filter for below 2.0 MHz). These filters are selected by the filter control signals (B0-B8) as described in the table below.

BANDPASS FILTERS USED

| Frequency (MHz) | Control signal | Entrance coil | Frequency (MHz) | Control signal | Entrance coil |
|-----------------|----------------|---------------|-----------------|----------------|---------------|
| 0.5-1.999 | B0 | L101 | 10-13.999 | B5 | L110 |
| 2-2.999 | B1 | L102 | 14-17.999 | B6 | L112 |
| 3-4.999 | B2 | L104 | 18-23.999 | B7 | L114 |
| 5-6.999 | B3 | L106 | 24-29.999 | B8 | L116 |
| 7-9.999 | B4 | L108 | | | |

The filtered signals pass through the 33 MHz cut-off low-pass filter (L202, L203, C202-C206, C226) via the TX/RX switch (D201), and are then applied to the 1st mixer circuit.

3-1-2 1ST MIXER AND IF CIRCUITS (MAIN UNIT)

The 1st mixer circuit converts the received signals into a fixed frequency of the 1st IF signal with a PLL output frequency. By changing the PLL frequency, only the desired frequency is picked up at bandpass filter at the next stage of the 1st mixer circuit.

The filtered RF signals are applied to the 1st mixer circuit (Q201, Q202) to mixed with 1st LO signals coming from the PLL circuit to produce a 64.455 MHz 1st IF signal.

The 1st LO signal from the PLL unit is applied to the MAIN unit via J601 and then amplified at the 1st LO amplifier (Q601). The amplified signal is passed through the 100 MHz cut-off low-pass filter (L604, L605, C606-C610) to suppress harmonics components, and then applied to the 1st mixer circuit (Q201, Q202) via the TX/RX switch (D602).

The converted 1st IF signal is passed through the bandpass filter (FI201) and then amplified at the IF amplifier (Q203). The amplified signal is passed through the TX/RX switch (D301) and pair of the crystal filters (FI301a, FI301b) and then applied to the 2nd mixer circuit.

3-1-3 2ND MIXER AND IF CIRCUITS (MAIN UNIT)

The 2nd mixer circuit converts the 1st IF signal into a 2nd IF signal.

The filtered 1st IF signal from the crystal filter (FI301b) is mixed with a 64 MHz 2nd LO signal, coming from the PLL circuit, at the 2nd mixer circuit (D302, L303, L304) to convert into a 455 kHz 2nd IF signal.

The converted 2nd IF signal passes through the low-pass filter (L305, L306, C308-C311, C315) and TX/RX switch (D303), and then applied to the IF amplifier (Q401) via the ceramic bandpass filter (FI401). The amplified signal passes through the ceramic bandpass filter (FI402) via the RX switch (D401), and then applied to the 3rd mixer circuit after being amplified at the IF amplifier (Q501).

3-1-4 3RD MIXER AND IF CIRCUITS (MAIN UNIT)

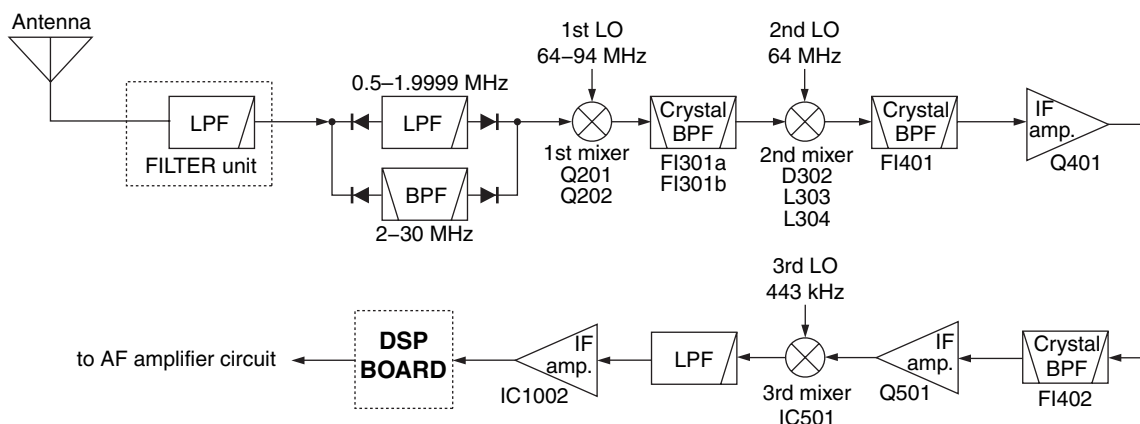
The 3rd mixer circuit converts the 2nd IF signal into a 3rd IF signal.

The 2nd IF signal is mixed with a 443 kHz 3rd LO signal, coming from the PLL circuit, at the 3rd mixer circuit (IC501) to convert into a 12 kHz 3rd IF signal.

The converted 3rd IF signal is applied to the IF amplifier (IC1002, pins 1, 3) and then passed through the low-pass filter (IC1002, pins 5, 7).

The filtered signal is applied to the DSP circuit via the TX/RX switch (IC1001, pins 1, 7).

RECEIVER CONSTRUCTION



3-1-5 DSP RECEIVER CIRCUIT (DSP BOARD)

The DSP (Digital Signal Processor) circuit enables digital IF filter, digital PSN (Pulse Shift Network), phase demodulation, and etc.

The switched 3rd IF signal from the TX/RX switch (MAIN unit; IC1001) is amplified at the differential amplifiers (IC651, pins 1, 2, 6, 7), and is then applied to the A/D converter (IC501). The converted 3rd IF signal is applied to the DSP IC (IC301) for the digital IF filter and demodulation, etc. The output signal from the DSP IC is applied to the D/A converter (IC501) to convert into the analog AF signals.

The converted analog AF signals are passed through the active filter (IC701, pins 1, 3), and then applied to the MAIN unit via J901 (pin 17) as the DSPO1 signal.

3-1-6 AF AMPLIFIER CIRCUIT (MAIN UNIT)

The AF amplifier amplifies the AF signals to the suitable driving level for the speaker.

The AF signals from the DSP board, "DSPO1," are passed through the TX/RX switch (IC1703, pins 1, 7), and then passed through the low-pass filter (IC1702, pins 5, 6) after being amplified at AF amplifier (IC1702, pins 1, 3). The filtered signal passes through the SQL switch (IC1701, pins 1, 7) which is controlled by the "SQLC" signal coming from the CPU (IC3303, pin 49). The switched signals are applied to the electronic volume IC (IC1603, pin 1) which can control the audio level by AFG voltage from the CPU (IC3303) via the D/A converter (IC3606, pin 6).

The beep, tone, side tone and monitor signals are applied to the electronic volume IC (IC1603) too.

The output signals are applied to the AF mute switch (IC1602, pins 1, 7), and then amplified at the AF power amplifier (IC1601, pins 1, 4). The power amplified AF signals are applied to the speaker (SP-24E) that is connected [SP] jack (CHASSIS; W4510) via J1451 (pin 3).

3-1-7 AGC CIRCUIT (DSP BOARD)

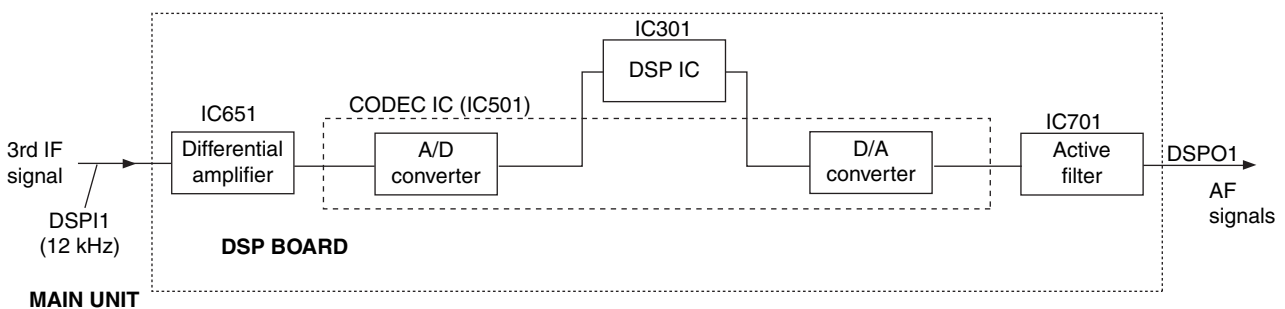
The AGC (Automatic Gain Control) circuit reduces IF amplifier gain and attenuates IF signal to keep the audio output at a constant level.

The receiver gain is determined by the voltage of the AGC1 line from the D/A converter (IC102) and set with RF gain setting.

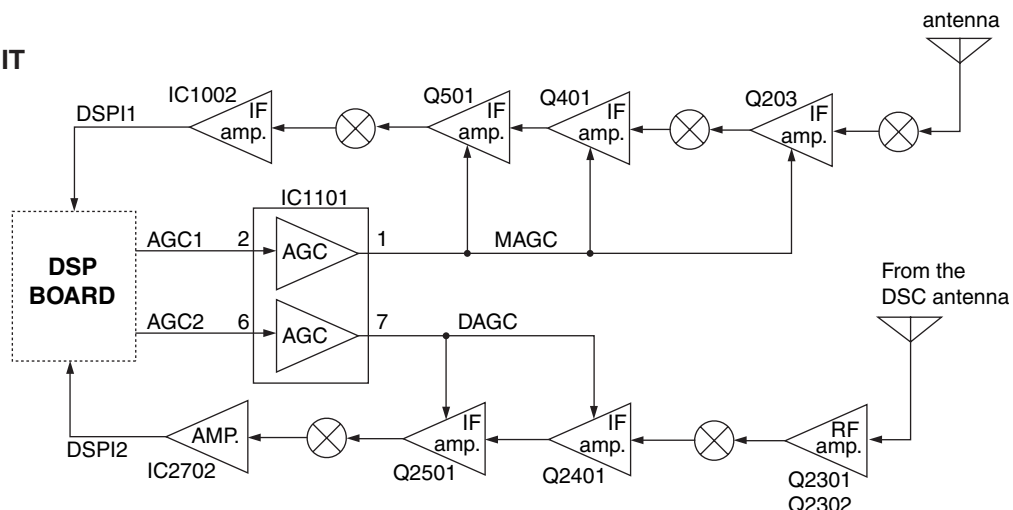
The AGC voltage is detected at the AGC detector section in the DSP IC (IC301). The detected signal from the DSP IC is applied to the level converter (IC101) and applied to the D/A converter (IC102). The converted AGC voltage is amplified at the buffer amplifier section in the D/A converter (IC102) and applied to the AGC amplifier (MAIN unit; IC1101, pins 1, 2) to control the MAGC line.

When receiving strong signals, the detected voltage increases and the AGC1 voltage decreases. As the AGC1 voltage is used for the bias voltage of the IF amplifiers (MAIN unit; Q203, Q401, Q501), IF amplifier gain is decreased.

• DSP CIRCUIT



• AGC CIRCUIT



3-2 TRANSMITTER CIRCUITS

3-2-1 MICROPHONE AMPLIFIER CIRCUIT (RC-25GMDSS AND MAIN UNIT)

The microphone amplifier circuit amplifies microphone audio signal to a level needed for the DSP circuit.

The audio signals from the [MIC] connector (RC-25GMDSS; J8701, pin 1) are amplified at the AF amplifier (RC-25GMDSS; IC8280, pins 1, 3), and then applied to the MOD switch (MAIN unit; IC2001, pins 3, 4) via the J2051 (MAIN unit). The switched signals are applied to the limiter amplifier (MAIN unit; IC1051, pins 1, 3) and then passed through the low-pass filter (MAIN unit; IC1051, pins 5, 7).

The filtered signals are applied to the DSP circuit after passed through the TX/RX switch (IC1001, pins 1, 6).

3-2-2 DSP TRANSMITTER CIRCUIT (DSP BOARD)

The DSP (Digital Signal Processor) circuit enables PSN (Phase Shift Network)/Low Power/Phase modulator, and etc.

The switched audio signals from the TX/RX switch (MAIN unit; IC1001, pin 1) are amplified at the differential amplifiers (IC651, pins 1, 2, 6, 7), and are then applied to the A/D converter (IC501).

The converted audio signals are applied to the DSP IC (IC301) and modulated to produce the 12 kHz 3rd IF signal.

The modulated IF signal from the DSP IC (IC301) is applied to the D/A converter (IC501) to convert into the analog 3rd IF signal.

The converted 3rd IF signal is passed through the active filter (IC701, pins 1, 2), and then applied to the MAIN unit via J901 (pin 17).

3-2-3 SPEECH COMPRESSOR CIRCUIT (DSP BOARD)

The speech compressor compresses the transmitter audio input signals to increase the average output level (average talk power).

When the speech compressor function is ON, the converted signal from the A/D converter (IC501) are applied to the compressor section in the DSP IC (IC301) to obtain an averaged audio level.

At the same time, the compressed signals are modulated at the DSP IC and applied to the D/A converter (IC501).

3-2-4 IF AMPLIFIER AND MIXER CIRCUITS (MAIN UNIT)

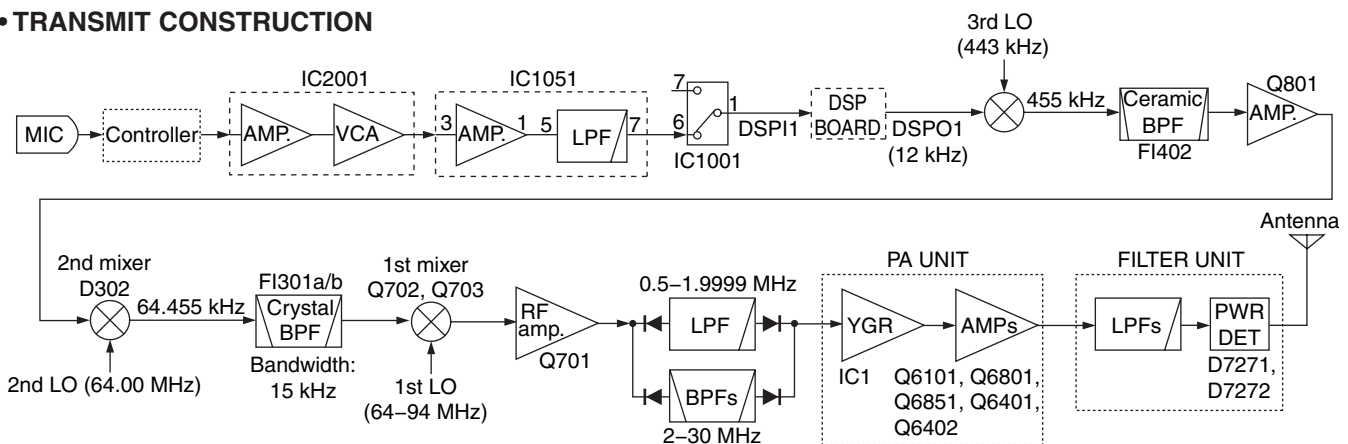
The modulated 3rd IF signal from the DSP board ("DSPO1" signal: 12 kHz) passes through the TX/RX switch (IC1703, pins 1, 6), and then applied to the 3rd mixer circuit (IC901, pin 3) to convert into the 2nd IF signal. The applied 3rd IF signal is mixed with the 3rd LO signal from the DDS circuit (PLL unit; IC5701) to produce a 455 kHz 2nd IF signal.

The converted 2nd IF signal is output from pin 5 of the 3rd mixer circuit (IC901) and passes through the ceramic filter (FL402) to suppress the unwanted signals via the TX switch (D404). The filtered 2nd IF signal is amplified at the 2nd IF amplifier (Q801) via the TX switch (D403), and then applied to the 2nd mixer circuit (D302) after being passed through the TX/RX switch (D303) and low-pass filter (L305, L306, C308–C311, C315).

The applied 2nd IF signal is mixed with a 64 MHz 2nd LO signal, coming from the PLL circuit, at the 2nd mixer circuit (D302, L302, L303) to convert into a 64.455 MHz 1st IF signal. The 1st IF signal is passed through a pair of the crystal filters (FI301a, FI301b) to suppress the unwanted signals. The filtered 1st IF signals are mixed with the 1st LO signal, coming from the PLL circuit, at the 1st mixer circuit (Q702, Q703) to obtain the desired RF signal via the TX/RX switch (D301) and attenuator (R712, R715, R716).

The converted RF signal is passed through the low-pass filter (L702, L703, C706, C707, C709–C711, C721) and then amplified at the RF amplifier (Q701).

• TRANSMIT CONSTRUCTION



3-2-5 RF CIRCUIT (MAIN, PA UNITS AND DRIVER BOARD)

The RF circuit amplifies operating (transmitting) frequency to obtain 150 W of RF output.

The signal from the RF amplifier (MAIN unit; Q701) is passed through one of the low-pass filter or bandpass filters (Refer to the table on page 3-1 Bandpass filters used), and then applied to the YGR amplifier (MAIN unit; IC1, pins 1, 4) after being passed through the TX/RX switch (MAIN unit; D53) and attenuator (MAIN unit; R5–R7). The amplified signal passes through the low-pass filter (MAIN unit; L1–L2, C1–C5) and attenuator (MAIN unit; R1–R3, R9), and then applied to the PA unit via J1 (MAIN unit).

The attenuated signal from the MAIN unit is amplified at 2 amplifiers (PA unit; Q6101, Q6801) after passed through the attenuator (PA unit; R6101–R6103) and low-pass filter (PA unit; L6101, C6101, C6102). The amplified signal is applied to the drive amplifier (DRIVER board; Q6851) and power amplifiers (PA unit; Q6401, Q6402) to obtain a stable 150 W of RF output power.

The power amplified RF signal is applied to the filter unit via the J6401.

3-2-6 FILTER CIRCUIT (FILTER UNIT)

The power amplified signal is applied to one of the 8 low-pass filters which are composed of chebychev type.

LOW-PASS FILTERS USED

| Frequency (MHz) | Control signal | Entrance relay | Frequency (MHz) | Control signal | Entrance relay |
|-----------------|----------------|----------------|-----------------|----------------|----------------|
| 1.6–1.999 | L1M | RL7031 | 7–9.999 | L8M | RL7151 |
| 2–2.999 | L2M | RL7061 | 10–13.999 | L12M | RL7181 |
| 3–4.999 | L4M | RL7091 | 14–19.999 | L16M | RL7211 |
| 5–6.999 | L6M | RL7121 | 20–29.999 | L22M | RL7241 |

The filtered signal from the low-pass filter is applied to the antenna connector (CHASSIS unit; J4501) after being passed through the TX/RX switch (RL7301) and J7311.

3-2-7 ALC CIRCUIT (MAIN UNIT)

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

The RF power level is detected at the power detector (FILTER unit; D7271) to be converted into DC voltage and applied to the MAIN unit as the FOR signal.

The FOR signal is applied to the ALC amplifier (IC1201, pin 2). The “POCV” signal is applied to the other input (IC1201, pin 3) for reference. The compared signal is output from pin 1 and applied to the IF amplifier (Q801) to control amplifying gain.

When the FOR signal exceeds the POCV voltage, ALC bias voltage from the comparator (IC1201, pin 1) controls the IF amplifiers. This adjusts the output power to a specified level until the FOR and POCV voltages are equalized.

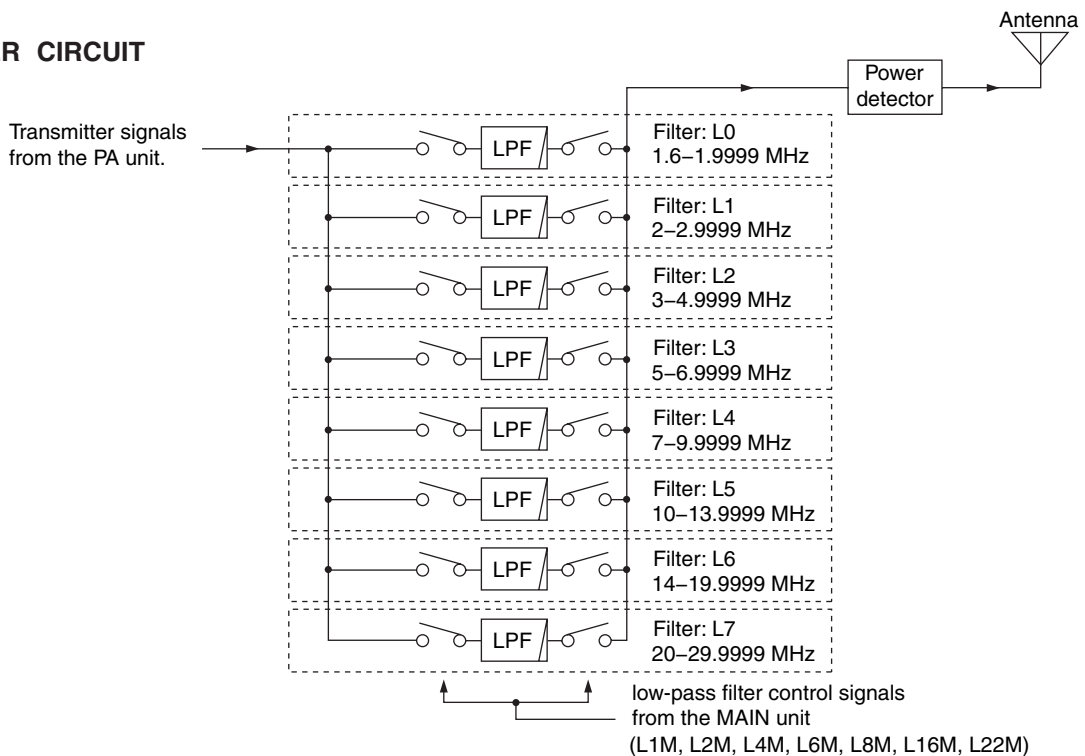
3-2-8 APC CIRCUIT (FILTER AND MAIN UNITS)

The APC (Automatic Power Control) circuit protects the power amplifiers on the PA unit from high SWR and excessive current.

• SWR APC CIRCUIT (FILTER AND MAIN UNITS)

The reflected signal appears and increases on the antenna connector. When the antenna is mismatched, the power detector (FILTER unit; D7272) detects the reflected signal and applies it to the APC amplifier (MAIN unit; IC1201, pins 8, 9) as “REF” signal. The output signal from the APC amplifier (IC1201, pin 1) decreases the bias voltage of the IF amplifier (Q801) to reduce the output power.

• RF FILTER CIRCUIT



• **CURRENT APC CIRCUIT (PA UNIT)**

The driving current at the power amplifiers (Q6401, Q6402) is detected at the current detector (R6651–R6654) by measuring the voltage difference between both terminals of the detector. The detected voltages are applied to the differential amplifier (IC6501, pins 1, 2, 3).

When the driving current of the power amplifiers (Q6401, Q6402) exceed 30 A, the detected voltage is applied to the APC amplifier (MAIN unit; IC1201, pins 6, 7) to reduce the gate-2 voltage of the IF amplifier (MAIN unit; Q801) and then reduce the output power.

3-2-9 RF METER CIRCUIT (MAIN UNIT)

A portion of the “FOR” signal is also applied to the meter amplifier (IC1201, pins 12, 14) for meter indication. The amplified signal is applied to the CPU (IC3303, pin 97) as “RFML” signal.

For antenna current meter indication, the “ANTM” signal from the optional AT-141 is applied to the meter amplifier (IC1201, pins 12, 14) via the J1901 (pin 9).

3-3 PLL CIRCUITS

3-3-1 GENERAL

The PLL circuits generate reference (32.000 MHz), 1st LO (64.485–94.455 MHz), 2nd LO (64 MHz), 3rd LO (443.000 kHz), DSC 1st LO (12.8875–27.5045 MHz) and DSC 2nd LO (10.7103 MHz) frequencies.

3-3-2 REFERENCE OSCILLATOR CIRCUITS (PLL UNIT)

The reference oscillator (X5251) generates a 32.0 MHz frequency for the reference loop VCO and 3rd LO circuits. The generated 32.0 MHz signal is doubled at doubler circuit (Q5202) and then the doubled 64.0 MHz signal is applied to the DSC LO and 2nd LO circuits.

3-3-3 1ST LO PLL CIRCUIT (PLL UNIT)

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

The reference loop generates an approximate 10.5 MHz frequency using DDS, and the main loop generates within 64.485 to 94.455 MHz frequency using the reference loop frequency.

(1) REFERENCE LOOP PLL

The oscillating signal at the reference loop VCO (Q5301, D5301) is amplified at the amplifiers (Q5302, Q5351) and is then applied to the programmable divider section of the DDS IC (IC5101, pin 46). The applied signal is then divided and detected on phase with the 32.0 MHz reference frequency.

The detected signal from the DDS IC (pin 56) is converted into DC voltage (lock voltage) at the loop filter (R5136, R5146, C5112) and then applied to the reference loop VCO circuit (Q5301, D5301).

The buffer amplified reference loop VCO signal from the buffer amplifier (Q5302) is also applied to the PLL IC (IC5401) for MAIN loop PLL as the reference frequency.

(2) MAIN LOOP PLL

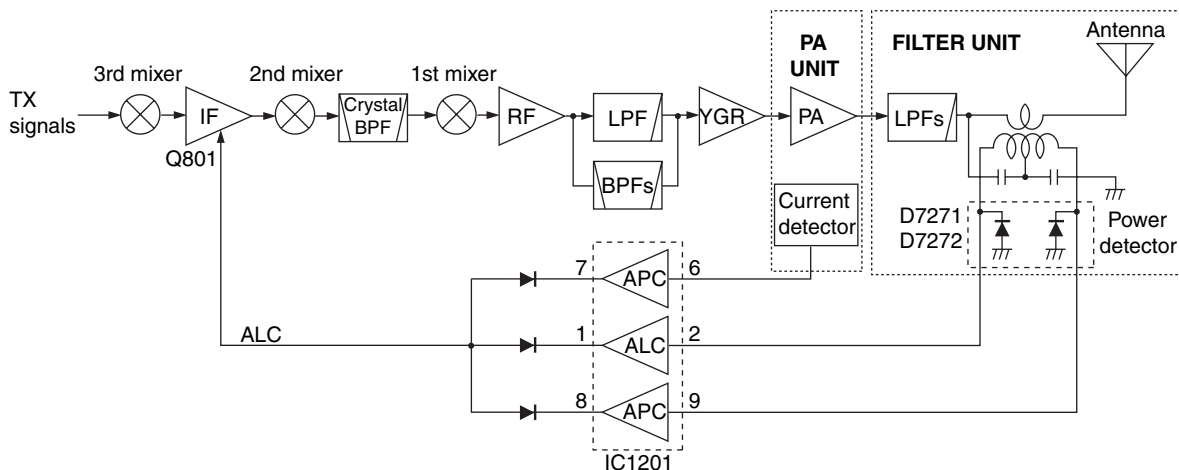
The oscillating signal from the main loop VCO (Q5521, D5521, L5523) is amplified at the buffer (Q5601) and LO (Q5604) amplifiers and is then applied to the PLL IC (IC5401, pin 6). The applied signal is then divided and detected on phase with the reference loop output frequency.

The detected signal from the PLL IC (IC5401, pin 2) is converted into a DC voltage (lock voltage) at the loop filter and then applied to the VCO circuit (Q5521, D5521, L5523).

The buffer amplified main loop VCO signal from the buffer amplifier (Q5601) is amplified at the LO (Q5602) and buffer (Q5603) amplifiers and then passed through the bandpass filter (L5602–L5604, C5609–C5616).

The filtered signal is applied to the 1st mixer circuit (MAIN unit; Q201, Q202 for RX, Q702, Q703 for TX) as a 1st LO signal (64.485–94.455 MHz).

• **ALC AND APC CIRCUITS**



3-3-4 2ND LO CIRCUITS (PLL UNIT)

The 64.0 MHz reference frequency from the reference oscillator circuit is applied to the 2nd mixer circuit (MAIN unit; D302) as a 2nd LO signal (64.0 MHz).

3-3-5 3RD LO CIRCUIT (PLL UNIT)

The DDS IC (IC5701) generates a 10-bit digital signal using the 32.0 MHz system clock from the reference oscillator circuit.

The digital signal (IC5701, pins 13–17, 19–23) is converted into an analog wave signal at the D/A converter (R5701–R5720). The converted analog wave signal is passed through the bandpass filter (L5781–L5783, C5781–C5785) and then applied to the 3rd mixer circuit (MAIN unit; IC501 for RX, IC901 for TX) as the 3rd LO signal (443.000 kHz) via the attenuator (R5781–R5783).

3-3-6 DSC 1ST LO CIRCUIT (PLL UNIT)

The DDS IC (IC5801) generates a 10-bit digital signal using the 64.0 MHz system clock from the reference oscillator circuit.

The digital signal (IC5801, pins 13–17, 19–23) is converted into an analog wave signal at the D/A converter (R5601–R5620). The converted analog wave signal is passed through the bandpass filter (L5681–L5683, C5685–C5789) and then amplified at the buffer (Q5801) and LO (Q5802) amplifiers. The amplified signal is applied to the DSC 1st mixer circuit (MAIN unit; D2301) as the DSC 1st LO signal (12.887–27.5045 MHz).

3-3-7 DSC 2nd LO CIRCUIT (PLL UNIT)

The DDS IC (IC5901) generates a 10-bit digital signal using the 64.0 MHz system clock from the reference oscillator circuit.

The digital signal from the DDS IC (IC5901, pins 13–17, 19–23) is converted into an analog wave signal at the D/A converter (R5901–R5920). The converted analog wave signal is passed through the bandpass filter (L5981–L5983, C5982–C5986) and then applied to the DSC 2nd mixer circuit (MAIN unit; IC2701) as the DSC 2nd LO signal (10.7103 MHz).

3-4 DSC CIRCUITS

3-4-1 DSC BANDPASS FILTER AND RF AMPLIFIER CIRCUITS (MAIN UNIT)

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

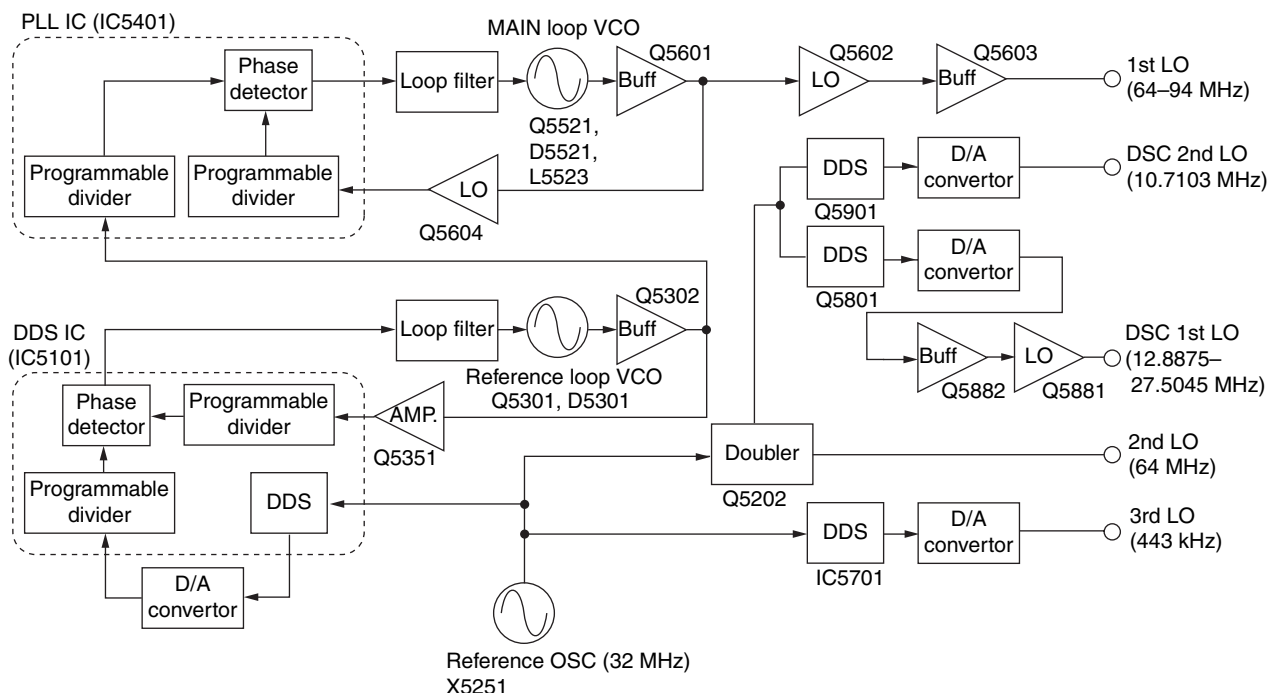
The received signals from the antenna connector (CHASSIS; J4503) are applied to the mute switch (RL2101) via J2101 and then passed through one of the bandpass filters.

BANDPASS FILTERS USED

| Frequency (MHz) | Control signal | Entrance diode |
|-----------------|----------------|----------------|
| 2–7 MHz | DBPL | D2201 |
| 8 MHz | DBPM | D2201 |
| 12 MHz | DBPN | D2202 |
| 16 MHz | DBPH | D2202 |

The filtered signals are amplified at the RF amplifiers (Q2301, Q2302), and then applied to the 1st mixer circuit (D2301).

• PLL CIRCUIT



3-4-2 DSC 1ST MIXER AND 1ST IF CIRCUITS (MAIN UNIT)

The 1st mixer circuit converts the received signal into a fixed frequency of the 1st IF signal with a PLL output frequency.

The amplified signals from the RF amplifiers (Q2301, Q2302) are converted into the 10.7 MHz 1st IF signal at the 1st mixer circuit (D2301) and then passed through the crystal filters (FI231a, FI231b).

The filtered 1st IF signal is amplified at the 1st IF amplifiers (Q2401, Q2501) and then applied to the 2nd mixer circuit (IC2701, pin 3).

3-4-3 DSC 2ND IF AND DSP CIRCUITS (MAIN UNIT AND DSP BOARD)

The 2nd mixer circuit converts the 1st IF signal into a 2nd IF signal.

The amplified 1st IF signal from the 1st IF amplifier (MAIN unit; Q2501) is converted into the 12 kHz 2nd IF signal at the 2nd mixer IC (MAIN unit; IC2701, pins 3, 5) and then passed through the low-pass filter (MAIN unit; IC2702, pins 5, 7).

The filtered signal is applied to the DSP board as the "DSPI2" signal via J1102 (MAIN unit).

The "DSPI2" signal is amplified at the differential amplifier (DSP board; IC601, pins 1, 2, 6, 7), and is then applied to the A/D converter (DSP board; IC501) and DSP IC (DSP board; IC301).

The demodulated serial data from the DSP IC (DSP board; IC301) is applied to the CPU (MAIN unit; IC3303) and then analyzes the DSC signal data.

3-4-4 DSC AGC CIRCUIT (DSP BOARD)

The receiver gain is determined by the voltage on the AGC2 line from the DSP board.

The AGC voltage is detected at the AGC detector section in the DSP IC (IC301) and then applied to the level converter (IC101), D/A converter (IC102) and AGC amplifier (MAIN unit; IC1101, pins 6, 7) to control the DAGC line.

When receiving strong signals, the gain of the IF amplifiers (MAIN unit; Q2401, Q2501) is decreased.

3-5 REG-DC CIRCUIT (REG-DC UNIT)

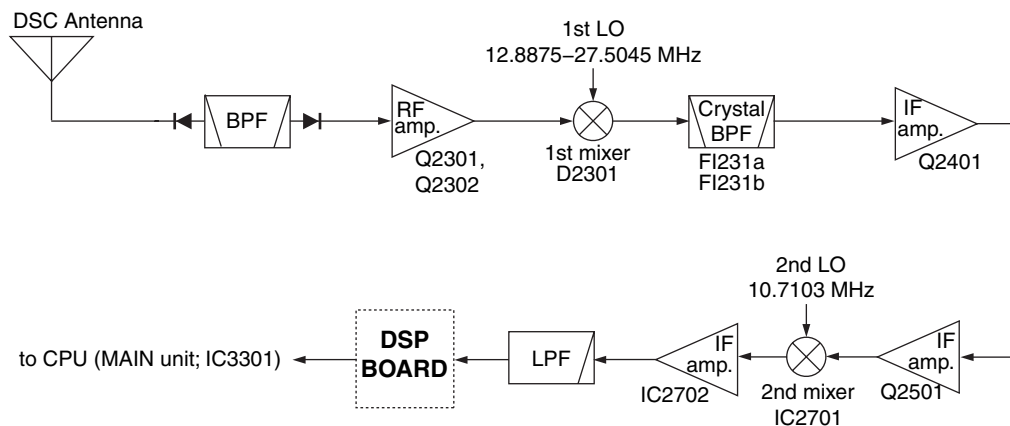
The IC-M801GMDSS employs a floating grounding system which is not connected between transceiver's ground and (-) terminal of the DC power supply.

The DC voltage (13.8 V or 24 V) from the DC power supply is applied to the DC power terminals (CHASSIS; EP4501, EP4502) and then passed through the noise filter (L101, L102, C112–C114, C118–C120). The filtered voltage is applied to the switching amplifiers (Q101–Q104 for 12 V version, Q101–Q102 for 24 V version) and then applied to the transformer (T101).

The switching amplifier is controlled by the switching regulator controller (IC301) after being amplified at the drive amplifiers (Q301, Q302).

The output voltage from the transformer (T101) is applied to the rectifying circuit (D201, D202). The rectified DC voltages are passed through the noise filter (L8003, C8009, C8010), and are then applied to the PA unit as HV13V line via EP201, EP202.

• DSC CIRCUIT



3-7 POWER SUPPLY CIRCUITS

3-7-1 DISPLAY BOARD (RC-25GMDSS) VOLTAGE LINE

| Line | Description |
|------|---|
| 9V | Common 9 V converted from the H13V line at the +9 regulator circuit (IC8301). |
| 5V | Common 5 V converted from the H13V at the +5 regulator circuit (IC8290). |

3-7-2 PA UNIT VOLTAGE LINE

| Line | Description |
|------|---|
| HV13 | The voltage from the REG-DC unit. |
| HV | The same voltage as the HV13 line passed through the fuse (F6701). |
| S13V | The same voltage as the HV13 line passes through the switching relay (RL6701). |
| PA8V | Common 8 V convert from the HV13 at the PA8V regulator circuit (IC6601). |
| PAT8 | Transmit 8 V controlled by the PAT8 regulator circuit (Q6601, Q6602) using T8V. |

3-7-3 PLL UNIT VOLTAGE LINE

| Line | Description |
|------|---|
| 5V | Common 5 V converted from the S13V line and regulated by the +5 regulator circuit (IC5001). |
| 8VL | Common 8 V converted from the S13V line and regulated by the +8 regulator circuit (IC5031). |

3-7-4 MAIN UNIT VOLTAGE LINE

| Line | Description |
|------|--|
| R13V | Receive 13 V converted from the S13V line and regulated by the R13 regulator circuit (IC1303). |
| 8V | Common 8 V converted from the S13V line at the +8 regulator circuit (IC1502). |
| -5V | Common -5 V converted from the S13V line at the -5 V regulator (IC1551, D1551, D1552) |
| T8 | Transmit 8 V, converted from the S13V, controlled by T8 regulator circuit (Q1501, Q1502) using TXS signal from the CPU (IC1303). |
| R8 | Receive 8 V, converted from the S13V, controlled by R8 regulator circuit (Q1502, Q1504) using RXS signal from the CPU (IC1303). |
| 5V | Common 5 V converted from the S13V line and by the 5 V regulator circuit (IC1501) using RXS signal from the CPU (IC3303). |
| H5V | Common 5 V converted from the HV13V line and regulated by the +5 regulator circuit (IC3101). |

3-8 PORT ALLOCATIONS

3-8-1 MAIN CPU (MAIN UNIT; IC3303)

| Pin number | Port name | Description |
|------------|-----------|---|
| 1 | TXS1 | Outputs T8 regulator circuit (MAIN unit; Q1501, Q1503) control signal. LOW : While transmitting. |
| 2 | RXS1 | Outputs R8 regulator circuit (MAIN unit; Q1502, Q1504) control signal. LOW : While receiving. |
| 3 | PSEL | Outputs strobe signal to the expander IC (IC3601). |
| 4 | BEEP1 | Outputs beep audio signals. |
| 6 | PDAT | Outputs serial data signal for the PLL circuits (PLL unit; IC5101, IC5401, IC5701, IC5801, IC5901). |
| 7 | PCK | Outputs clock signal for the PLL circuits (PLL unit; IC5101, IC5401, IC5701, IC5801, IC5901). |
| 11 | UNLK | Input port for PLL unlock signal. High: While PLL circuit is unlocked. |
| 19 | PWRS | Outputs the control signal for the switching relay (PA unit; RL6701). High : During power ON. |
| 23 | DRES | Outputs the RESET signal. |
| 27 | RQIR | Outputs strobe signal for the DSP board. |
| 28 | DO | Input port for serial data signal from the DSP board. |
| 29 | NMEI1 | Input port for the NMEA signal from the connected unit via the remote connector (J9051). |
| 30 | NMEO1 | Outputs the NMEA signal to the connected unit via the remote connector (J9051). |
| 32 | NMEI2 | Input port for the GPS signal from connected unit via the remote connector (J9051). |
| 33 | LSTB | Outputs strobe signal for the expander IC (IC3602, IC3604). |
| 34 | DSTB | Outputs strobe signal for the D/A converter IC (IC3606). |
| 37 | LCK | Outputs clock signal for the expander IC (IC3602-IC3605), D/A converter IC (IC3606). |
| 38 | LDAT | Outputs serial data signal for the expander IC (IC3602, IC3603) and D/A converter IC (IC3606). |
| 47 | MSTB | Outputs strobe signal for the expander IC (IC3603, IC3605). |
| 48 | PSTB | Outputs strobe signal for the PLL unit via the D/A converter (IC3601). |
| 49 | SQLC | Outputs squelch control signal for the SQL switch (IC1701). HIGH : While squelch is closed. |

MAIN CPU (MAIN UNIT; IC3303)-continued

| Pin number | Port name | Description |
|------------|-----------|---|
| 79 | STRS | Outputs the optional antenna tuner (AT-141) start control signal via J6703 (PA unit). |
| 80 | KEYS | Input port for the optional antenna tuner (AT-141E) key control signal via J6703 (PA unit). |
| 89 | EDT | I/O port for the serial data signal from/to the EEPROM (IC3301, pin 5). |
| 90 | ECK | Outputs clock signal for the EEPROM (IC3301, pin 6). |
| 93 | TEMP1 | Input port for the temperature detection signal from the PA unit. |
| 94 | NSEN1 | Input port for the SEND signal from the connected unit via AF/MOD connector (J9001, pin 5). |
| 97 | RFML1 | Input port for the RF/ANTC meter's voltage from the meter amplifier (IC1201, pin 14). |

**3-8-2 FRONT CPU PORT ALLOCATIONS
(RC-25GMDSS DISPLAY-A UNIT; IC8201)**

| Pin number | Port name | Description |
|------------|---|---|
| 17 | DSEL | Outputs DISTRESS LED control signal. |
| 21 | FUNK | Input port for [FREQ/CH]. |
| 22 | TXK | Input port for [TX TXF]. |
| 23 | RXK | Input port for [RX CLAR]. |
| 24 | FCHK | Input port for [ENT]. |
| 25 | T0K | Input port for [0 DIM]. |
| 26 | ENTK | Input port for [CE]. |
| 28 | PWRK | Input port for [POWER]. |
| 31 | PMUT | Input port for the phone plug insert detection signal. |
| 32 | FPTT | Input port for [PTT] switch of the connected microphone (J8701, pin 5). |
| 33 | AFGL | Input port for [VOL]. |
| 34 | M1AD | Input port for the using microphone detection signal. |
| 35 | M2AD | Input port for the switch signal on the microphone. |
| 36 | M3AD | Input port for the microphone connecting detection. |
| 41-46 | CL1, RS, RD, WR, RES, CS | Output LCD drive signals. |
| 48-55 | DB7- DB0 | Output LCD drive signals. |
| 57 | T9K | Input port for [9]. |
| 58 | T8K | Input port for [8 PRN]. |
| 59 | T7K | Input port for [7]. |
| 60 | T6K | Input port for [6 RF-G]. |
| 61 | T5K | Input port for [5 AGC ^x]. |
| 62 | T4K | Input port for [4 SP ^x]. |
| 63 | T3K | Input port for [3 SCAN]. |
| 64 | T2K | Input port for [2 SQL]. |
| 65 | T1K | Input port for [1 NB]. |
| 66 | EMLK | Input port for [DSC]. |
| 67 | SETK | Input port for [G]. |
| 68 | MODK | Input port for [MODE SET]. |
| 69 | TUNK | Input port for [TUNE THRU]. |
| 70 | DALK | Input port for [CANCEL]. |
| 71 | CSCK | Input port for [CALL]. |
| 72 | DSTK | Input port for [DISTRESS]. |
| 74, 75 | CHA, CHB | Input ports for [CH]. |
| 76, 77 | GPA, GPB | Input ports for [GRP]. |

3-8-3 OUTPUT EXPANDER IC (MAIN UNIT; IC3601)

| Pin number | Port name | Description |
|------------|-----------|--|
| 4 | PST1 | Outputs strobe signal for the DDS IC (PLL unit; IC5101, pin 91). |
| 5 | PST2 | Outputs strobe signal for the PLL IC (PLL unit; IC5401, pin 13). |
| 6 | PST3 | Outputs strobe signal for the DDS IC (PLL unit; IC5701, pin 41). |
| 7 | PST4 | Outputs strobe signal for the DDS IC (PLL unit; IC5801, pin 41). |
| 14 | PST5 | Outputs strobe signal for the DDS IC (PLL unit; IC5901, pin 41). |

3-8-4 OUTPUT EXPANDER IC (MAIN UNIT; IC3602)

| Pin number | Port name | Description |
|------------|-----------|--|
| 4 | L0S | Outputs 0.5–1.999999 MHz low-pass filter control signal. |
| 5 | L1S | Outputs 2–2.999999 MHz low-pass filter control signal. |
| 6 | L2S | Outputs 3–4.999999 MHz low-pass filter control signal. |
| 7 | L3S | Outputs 5–6.999999 MHz low-pass filter control signal. |
| 11 | L7S | Outputs 20–30 MHz low-pass filter control signal. |
| 12 | L6S | Outputs 14–19.999999 MHz low-pass filter control signal. |
| 13 | L5S | Outputs 10–13.999999 MHz low-pass filter control signal. |
| 14 | L4S | Outputs 7–9.999999 MHz low-pass filter control signal. |

3-8-5 OUTPUT EXPANDER IC (IC3603)

| Pin number | Port name | Description |
|------------|-----------|---|
| 4 | NMS | Outputs NBDP MOD control signal for the gate mod IC (IC2001, pin 10). |
| 5 | EMS | Outputs external MOD control signal for the gate mode IC (IC2001, pin 11). |
| 6 | MMS | Outputs microphone MOD control signal for the gate mode IC (IC2001, pin 9). |
| 11 | NMRS | Outputs NMEA/RS-232C switching signal. |
| 13 | AFMS | Outputs AF mute control signal. |

3-8-6 OUTPUT EXPANDER IC (IC3604)

| Pin number | Port name | Description |
|------------|-----------|--|
| 4 | B0S | Outputs 0.5–1.999999 MHz bandpass filter control signal. |
| 5 | B1S | Outputs 2–2.999999 MHz bandpass filter control signal. |
| 6 | B2S | Outputs 3–4.999999 MHz bandpass filter control signal. |
| 7 | B3S | Outputs 5–6.999999 MHz bandpass filter control signal. |
| 11 | B7S | Outputs 18–23.999999 MHz bandpass filter control signal. |
| 12 | B6S | Outputs 14–17.999999 MHz bandpass filter control signal. |
| 13 | B5S | Outputs 10–13.999999 MHz bandpass filter control signal. |
| 14 | B4S | Outputs 7–9.999999 MHz bandpass filter control signal. |

3-8-7 OUTPUT EXPANDER IC (IC3605)

| Pin number | Port name | Description |
|------------|-----------|--|
| 4 | B8S | Outputs 24–30 MHz bandpass filter control signal. |
| 5 | DBP1 | Outputs bandpass filter control signal for DSC circuit (2.1875 MHz, 4.2075 MHz, 6.3120 MHz). |
| 6 | DBP2 | Outputs bandpass filter control signal for the DSC circuit (8.4145 MHz). |
| 7 | DBP3 | Outputs bandpass filter control signal for the DSC circuit (12.5770 MHz). |
| 14 | DBP4 | Outputs bandpass filter control signal for the DSC circuit (16.8045 MHz). |

3-8-8 D/A CONVERTER IC (IC3606)

| Pin number | Port name | Description |
|------------|-----------|--|
| 5 | POCV | Outputs transmit power control signal for the ALC amplifier (IC1201, pin 3) and RF amplifier (Q701). |
| 6 | AFG | Outputs the AF level control signal for the VCA amplifier (IC1603, pin 8). |
| 11 | FANS | Outputs the control signal for the cooling fan controller (PA unit; IC6501, Q6501). |
| 13 | TRXS | Outputs control signal for the TX/RX switching relay (FILTER unit; RL7301). |

SECTION 4 ADJUSTMENT PROCEDURES

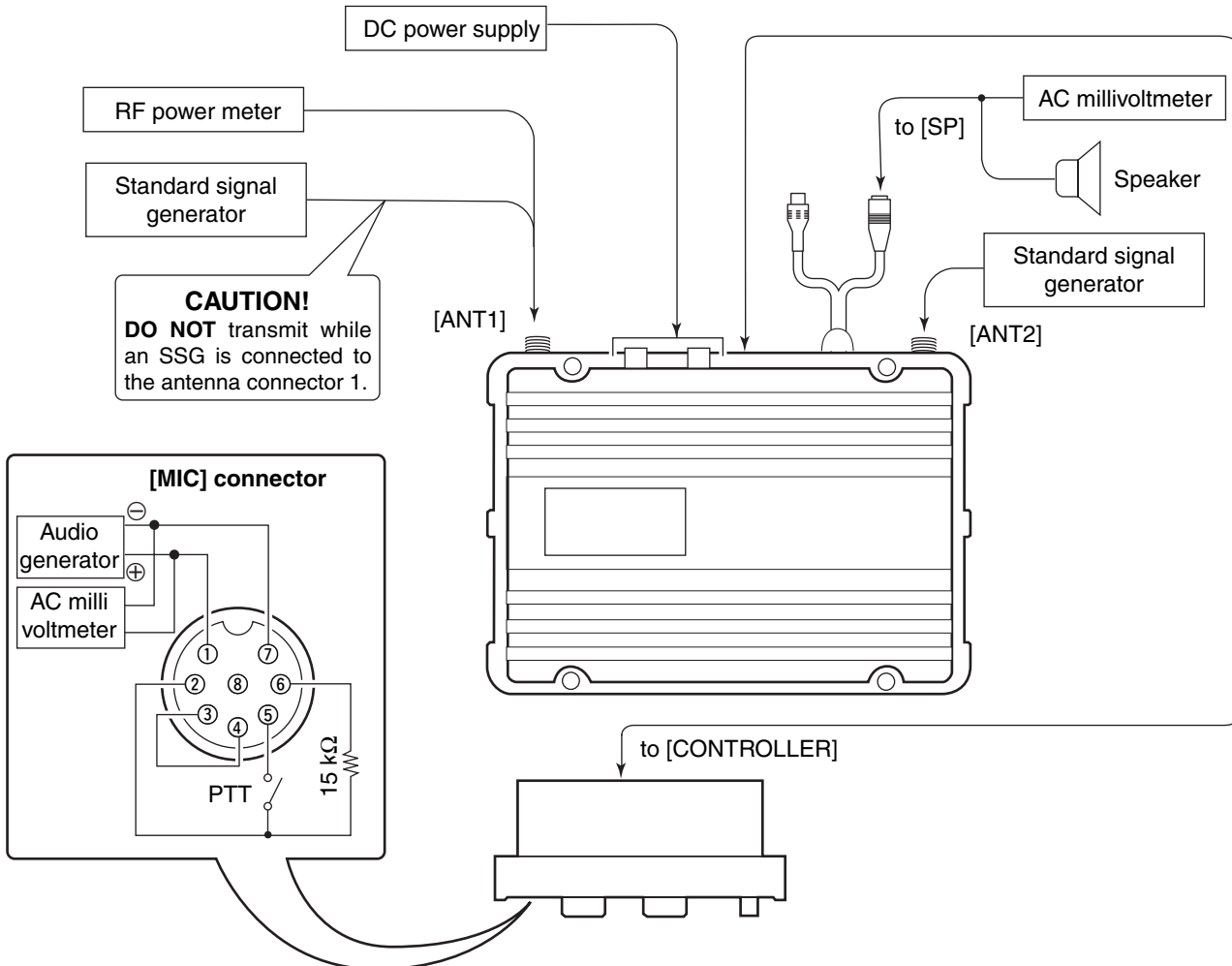
4-1 PREPARATION

When adjusting IC-M801GMDSS, a JIG CABLE (see illustration as shown below) is required. Some adjustments must be performed on the "ADJUSTMENT MODE". Entering the "ADJUSTMENT MODE", see the next page.

REQUIRED TEST EQUIPMENT

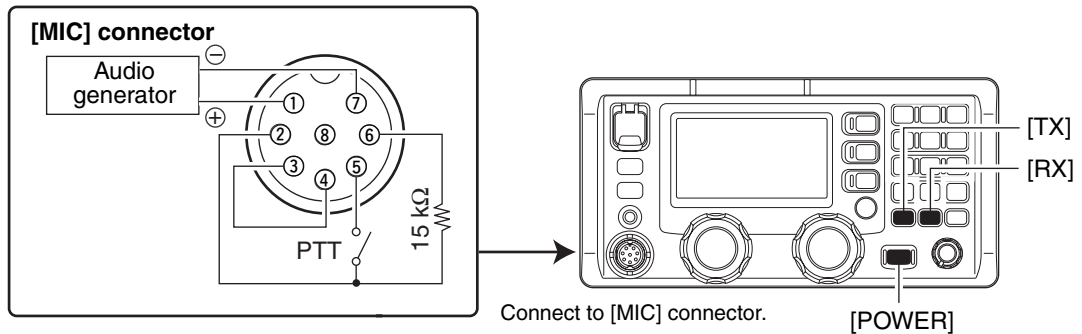
| EQUIPMENT | GRADE AND RANGE | EQUIPMENT | GRADE AND RANGE |
|---------------------------------------|---|---------------------------------|---|
| DC power supply (for 24 V version) | Output voltage : 24 V DC Current capacity : 30 A or more | Audio generator | Frequency range : 300–3000 Hz Measuring range : 1–500 mV |
| (for 12 V version) | Output voltage : 13.8 V DC Current capacity : 60 A or more | Attenuator | Power attenuation : 40 or 50 dB Capacity : 200 W or more |
| RF power meter (terminated type) | Measuring range : 1–200 W Frequency range : 0.5–30 MHz Impedance : 50 Ω SWR : Less than 1.2 : 1 | Standard signal generator (SSG) | Frequency range : 0.1–30 MHz Output level : 0.1 μV to 32 mV (–127 to –17 dBm) |
| Frequency counter | Frequency range : 0.1–300 MHz Frequency accuracy : ±0.25 ppm or better Sensitivity : 100 mV or better | DC voltmeter | Input impedance : 50 kΩ/V DC or more |
| | | Oscilloscope | Frequency range : DC to 100 MHz Measuring range : 0.01–10 V |
| DC ammeter | Measuring capability : 10 A/50 A | Digital multimeter | Input impedance : 10 MΩ/DC or more |
| RF voltmeter | Frequency range : 0.1–300 MHz Measuring range : 0.01–10 V | AC millivoltmeter | Measuring range : 1 mV to 10 V |
| | | Electric load | Current capacity : 40 A or more |

CONNECTION



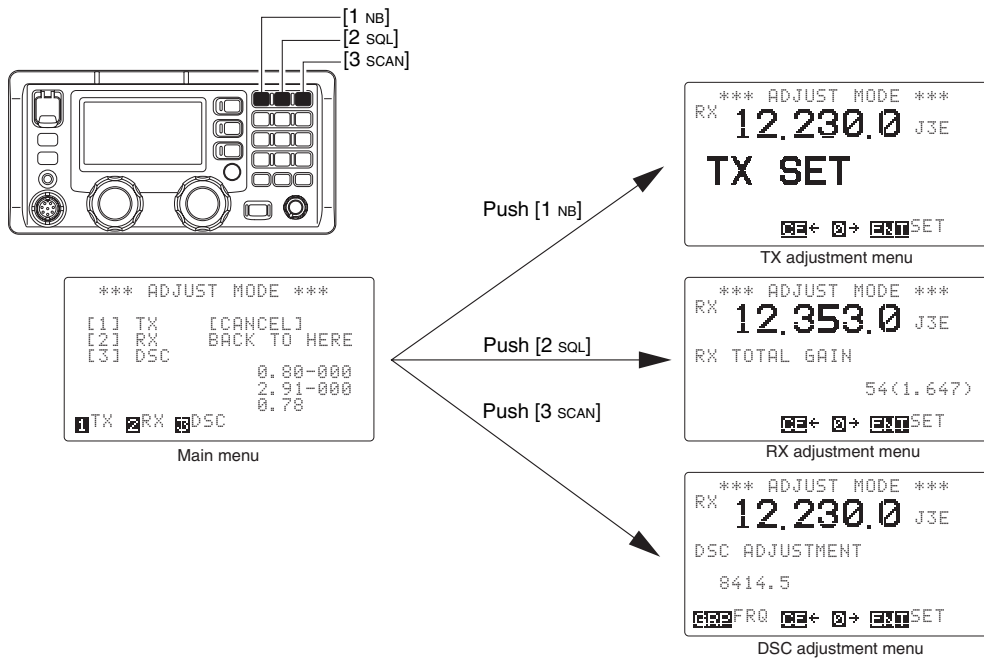
ENTERING THE ADJUSTMENT MODE

- ① Turn the power OFF.
- ② Terminate the 15 kΩ resistor between pins 2 and 6 of [MIC] connector.
- ③ While pushing both [TX] and [RX], turn the power ON. (See the illustration as below)

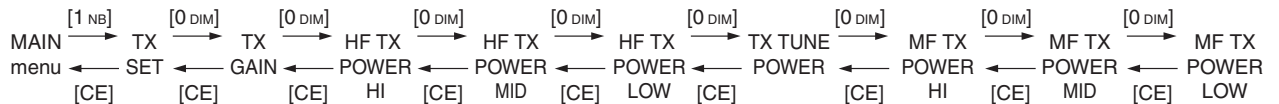


OPERATING ON THE ADJUSTMENT MODE

- Enter the TX adjustment. : Push [1 NB]
- Enter the RX adjustment. : Push [2 SQL]
- Enter the DSC adjustment. : Push [3 SCAN]
- Move the next adjustment. : Push [0 DIM]
- Return to the previous adjustment. : Push [CE]



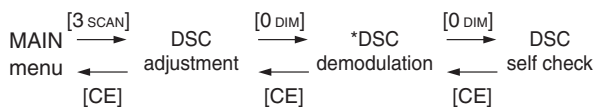
TX ADJUSTMENT ITEM CHANGING



RX ADJUSTMENT ITEM CHANGING



DSC ADJUSTMENT ITEM CHANGING



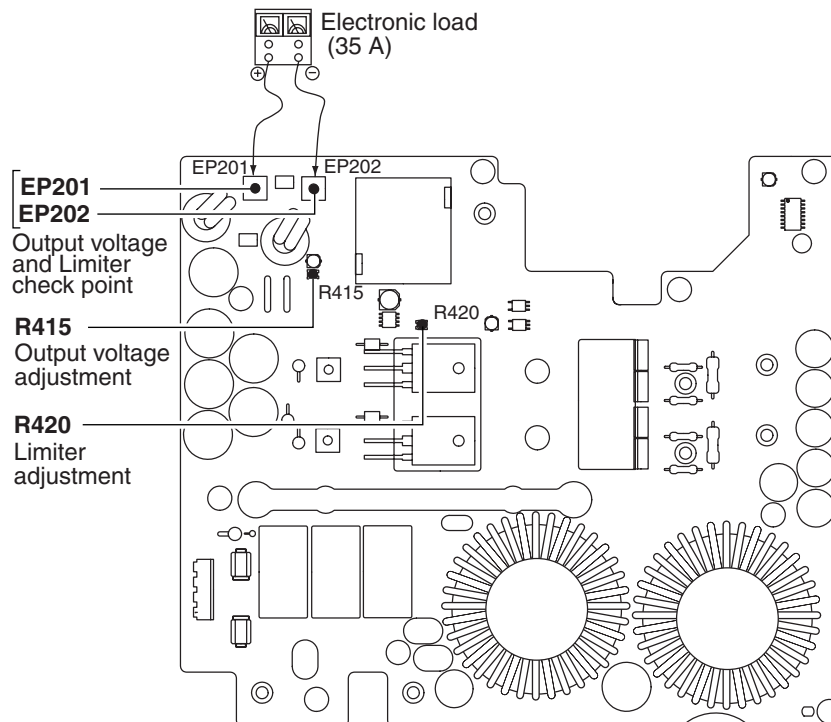
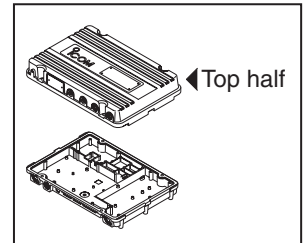
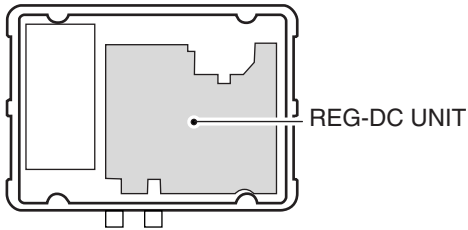
***NOTE: DO NOT** adjust "DSC DEMODULATION". Push [0 DIM] twice to skip "DSC DEMODULATION," after adjusting "DSC adjustment."

4-2 REGULATOR ADJUSTMENT

| ADJUSTMENT | ADJUSTMENT CONDITION | MEASUREMENT | | VALUE | ADJUSTMENT | |
|----------------|--|-------------|---|--------------------------|------------|--------|
| | | UNIT | LOCATION | | UNIT | ADJUST |
| OUTPUT VOLTAGE | 1 <ul style="list-style-type: none"> • Connect DC power supply to DC POWER TERMINALS. • Preset R415 (REG-DC unit) to max. clockwise. | REG-DC | Connect a DC voltmeter between EP201 (+) and EP202 (-). | 14.0 V | REG-DC | R415 |
| LIMITER | 1 <ul style="list-style-type: none"> • Preset R420 (REG-DC unit) to max. counter clockwise. • Connect an electric load with 35 A load current between EP201 (+) and EP202 (-). | REG-DC | | 0 V at 35 A current load | REG-DC | R420 |

■ REG-DC UNIT

• LOCATION (Top half)

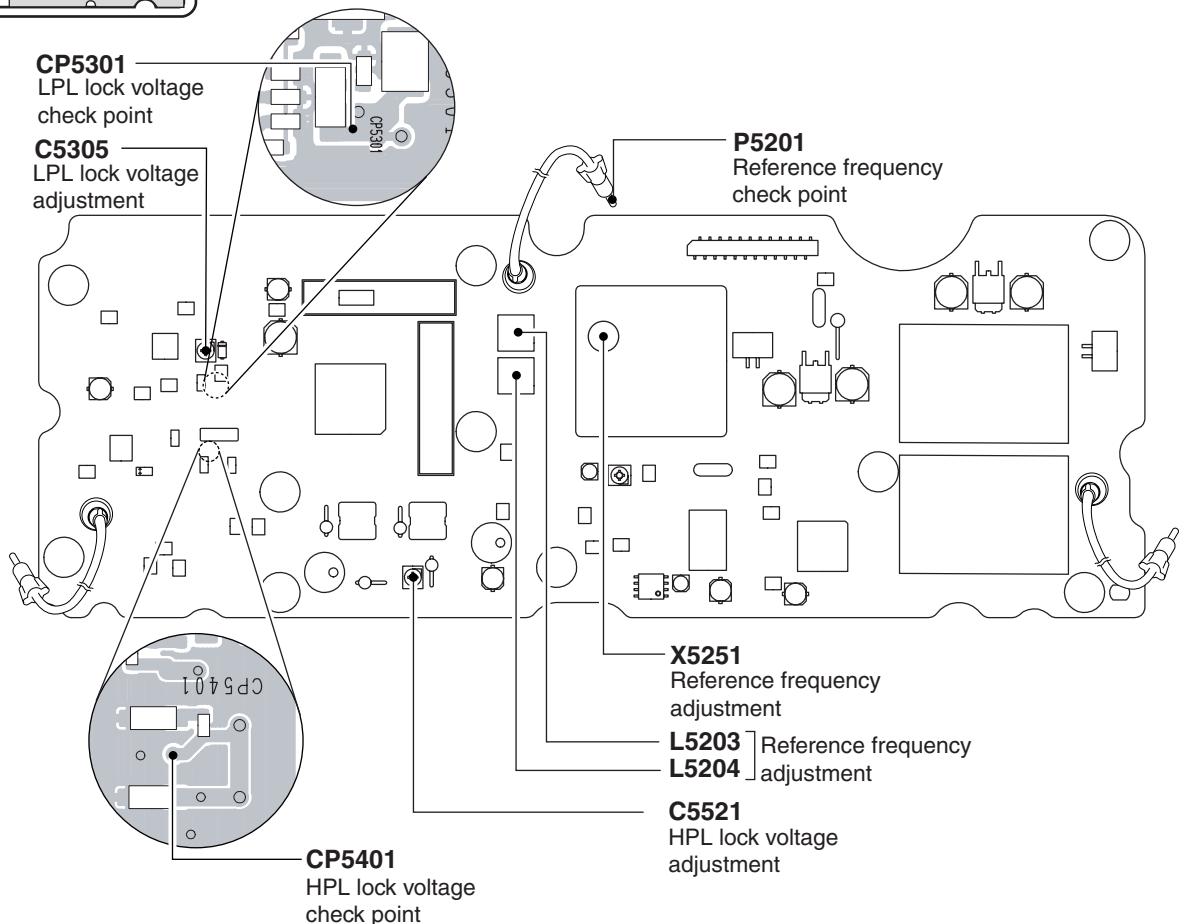
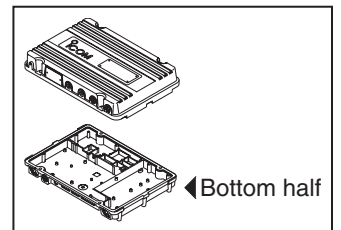
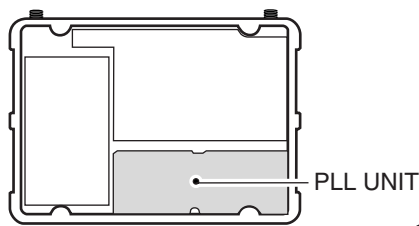


4-3 PLL ADJUSTMENT

| ADJUSTMENT | ADJUSTMENT CONDITION | MEASUREMENT | | VALUE | ADJUSTMENT | |
|--|---|-------------|--|-----------------|------------|--------------|
| | | UNIT | LOCATION | | UNIT | ADJUST |
| LPL LOCK VOLTAGE | 1 Disassemble and turn over the PLL unit for the adjustment. When turn over the PLL unit, be care the cable connection from the other unit does not separate. | | | | | |
| | <ul style="list-style-type: none"> Operating freq. : 0.5000 MHz Mode : J3E Receiving | PLL | Connect a digital multi meter or oscilloscope to CP5301. | 1.0 V | PLL | C5305 |
| | 2 <ul style="list-style-type: none"> Operating freq. : 0.4999 MHz Receiving | | | Less than 4.0 V | | Verify |
| HPL LOCK VOLTAGE | 1 <ul style="list-style-type: none"> Operating freq. : 29.9999 MHz Mode : J3E Receiving | PLL | Connect a digital multi meter or oscilloscope to CP5401. | 4.2 V | PLL | C5521 |
| | 2 <ul style="list-style-type: none"> Operating freq. : 0.0300 MHz Receiving | | | More than 0.8 V | | Verify |
| REFERENCE FREQUENCY | 1 <ul style="list-style-type: none"> Wait for 5 minute after power ON. Receiving | PLL | Connect an RF volt- meter (50 Ω terminated) to P5201. | Maximum level | PLL | L5203, L5204 |
| | 2 | | Connect a frequency counter to P5201. | 63.999990 MHz | | X5251 |
| After the adjustment, assemble the PLL unit and connect P5201 to J301 (MAIN unit). | | | | | | |

■ PLL UNIT

• LOCATION (Bottom half)

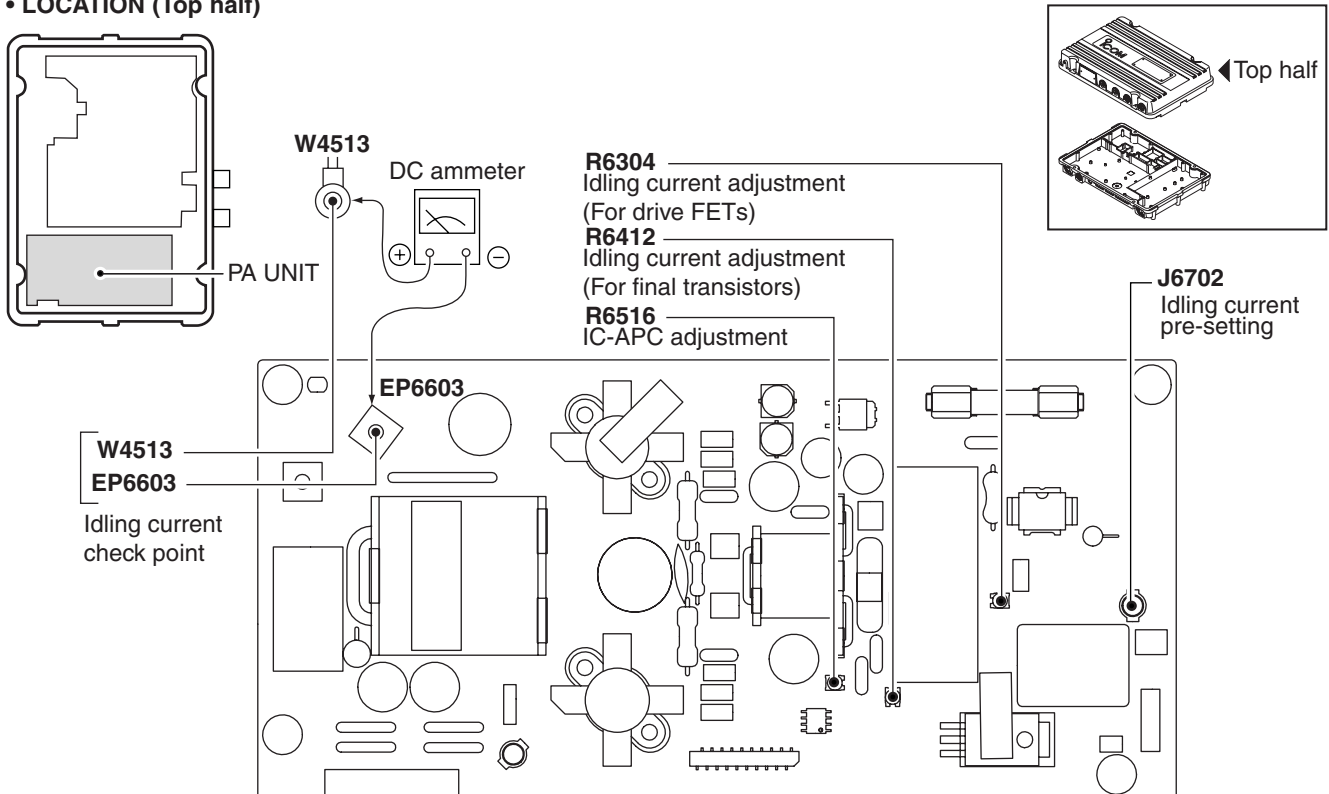


4-4 TRANSMITTER ADJUSTMENT

| ADJUSTMENT | ADJUSTMENT CONDITION | MEASUREMENT | | VALUE | ADJUSTMENT | | |
|--|--|---|---|---|--|---|--------------|
| | | UNIT | LOCATION | | UNIT | ADJUST | |
| IDLING CURRENT (For drive FETs) | 1 | <ul style="list-style-type: none"> Operating freq. : 12.2350 MHz Mode : J3E Apply no audio signal to [MIC] connector. Disconnect J6702 on the PA unit. | PA | Connect a DC ammeter (10 A) between W4513 and EP6603. | 2.0 A higher from the previous draining current of the adjustment. | PA | R6304 |
| | (For final transistors) | 2 | <ul style="list-style-type: none"> Preset R6304 and R6412 on the PA unit to max. counter clockwise. Connect a dummy load or RF power meter to [ANT1] connector. Transmitting | | | 700 mA higher from the previous draining current of the adjustment. | |
| After the adjustment, connect J6702 to the PA unit. | | | | | | | |
| IC-APC | 1 | <ul style="list-style-type: none"> Operating freq. : 12.2350 MHz Mode : J3E Connect an audio generator to [MIC] connector and set as; <ul style="list-style-type: none"> Frequency : 1.5 kHz Level : 100 mV Preset R6516 (PA unit) to center. Connect a wire between J1301 pin 15 (MAIN unit) and ground. Transmitting | PA | Connect a DC ammeter (50 A) between W4513 and EP6603. | 33.5 A | PA | R6516 |
| | After the adjustment, disconnect a wire between J1301 (MAIN unit) and ground, and connect W4513 to EP6603 (PA unit). | | | | | | |
| SWR DETECTOR | 1 | <ul style="list-style-type: none"> Operating freq. : 22.00000 MHz Mode : J3E Connect a wire between CP7332 (Filter unit) and ground. | [ANT1] connector | Connect an RF power meter to [ANT1] connector. | 140 W | Audio generator | Output level |
| | 2 | <ul style="list-style-type: none"> Connect an audio generator to [MIC] connector and set as; <ul style="list-style-type: none"> Frequency : 1.5 kHz Transmitting | | Connect a DC voltmeter to CP7331. | Minimum voltage | FILTER | C7275 |
| After the adjustment, disconnect a wire between CP7332 (FILTER unit) and ground. | | | | | | | |

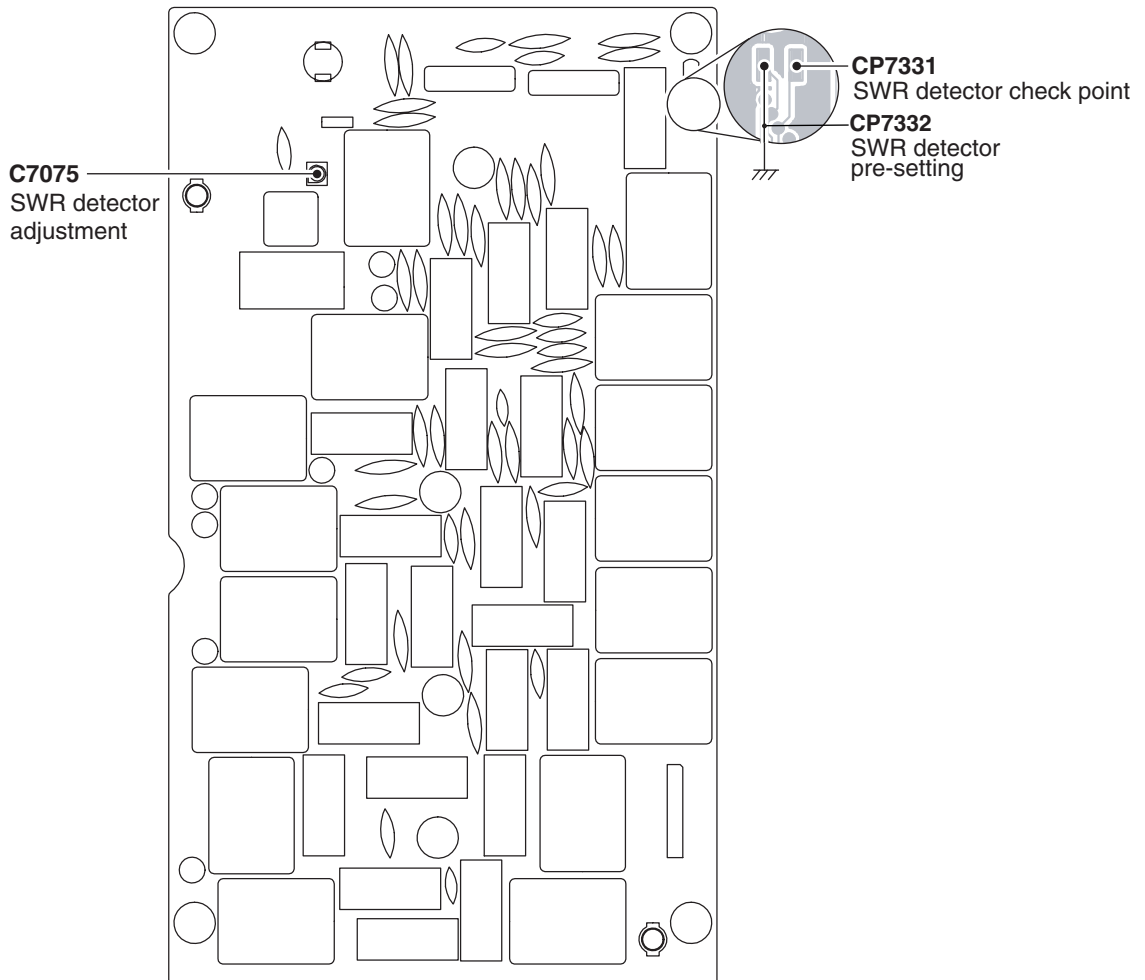
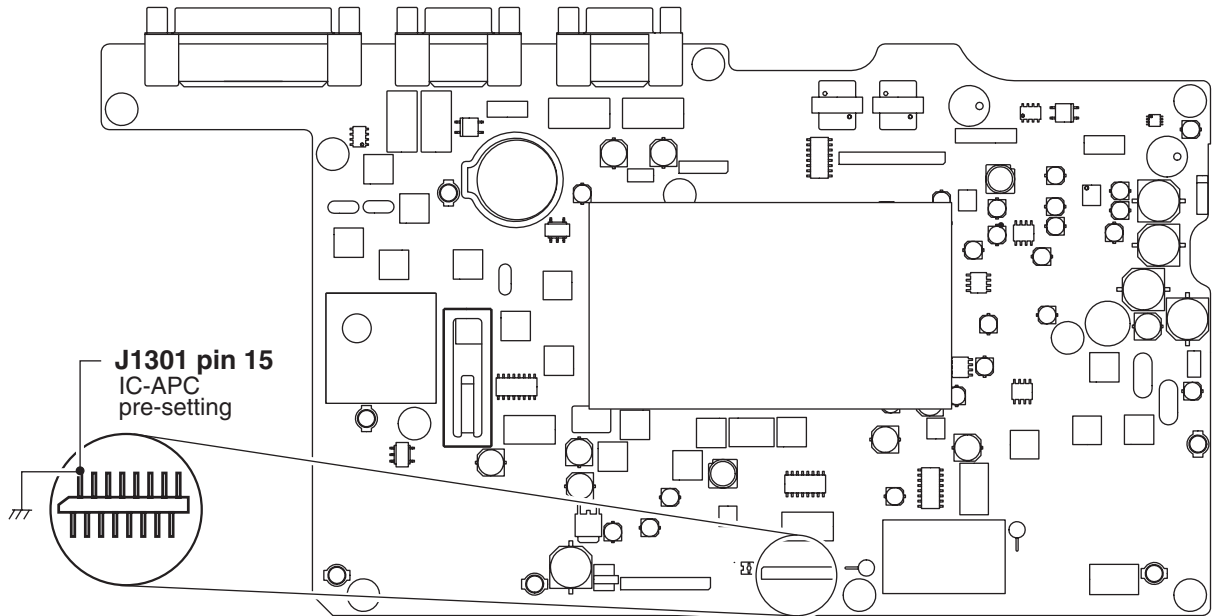
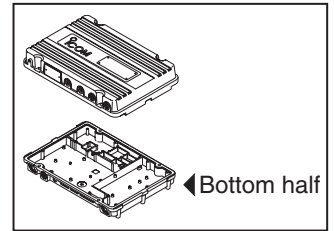
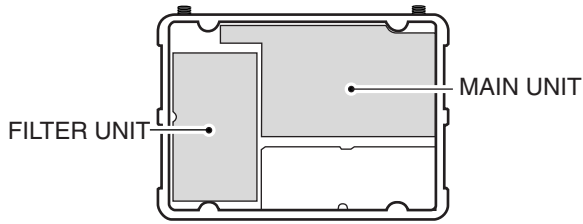
PA UNIT

• LOCATION (Top half)



■ MAIN AND FILTER UNITS

• LOCATION (Bottom half)



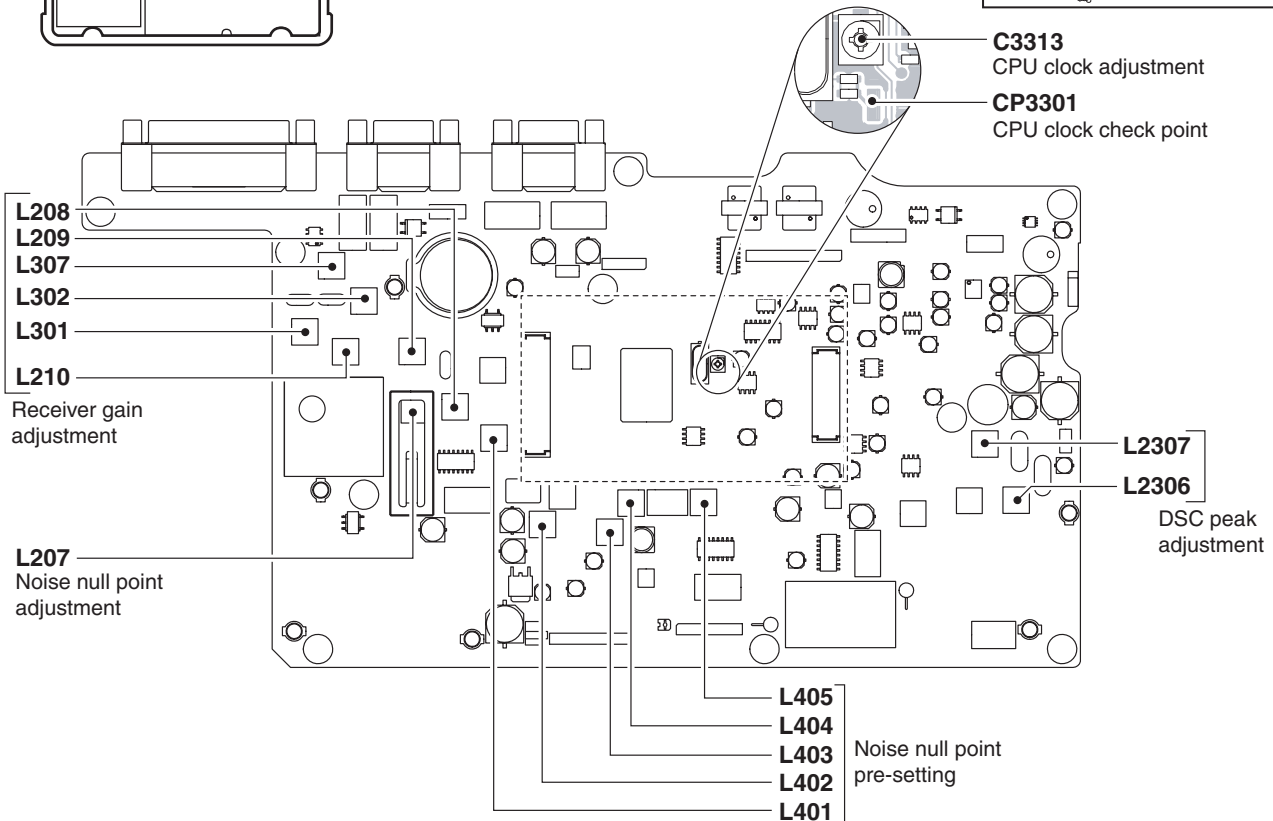
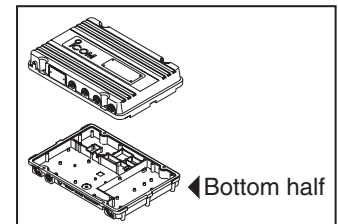
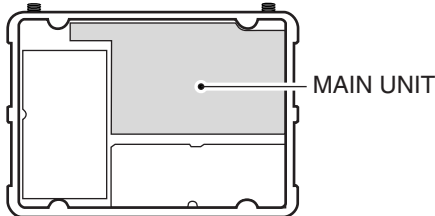
4-5 RECEIVER AND CPU ADJUSTMENT

| ADJUSTMENT | ADJUSTMENT CONDITION | MEASUREMENT | | VALUE | ADJUSTMENT | |
|------------------|---|-------------|---|----------------------------|------------|---|
| | | UNIT | LOCATION | | UNIT | ADJUST |
| CPU CLOCK | 1 <ul style="list-style-type: none"> • Disconnect the DSP unit. • Receiving | MAIN | Connect a frequency counter to CP3301. | 14.7456 MHz | MAIN | C3313 |
| | • After the adjustment, connect the DSP unit to the MAIN unit. | | | | | |
| NOISE NULL POINT | 1 <ul style="list-style-type: none"> • Operating freq. : 0.5000 MHz • Mode : H3E • Preset L402 and L405 as the illustration at right. • Preset L401, L403, L404 and L801 as the illustration at right. • Apply no signal to [ANT1] connector. • Receiving | [SP] | Connect an AC millivolt meter to [SP] jack with a 4 Ω load. | Minimum audio output level | MAIN | L207 |
| RECEIVER GAIN | 1 <ul style="list-style-type: none"> • Operating freq. : 12.2310 MHz • Mode : J3E • Connect an SSG to [ANT1] connector and set as; <ul style="list-style-type: none"> Frequency : 12.2310 MHz Level : 0.5 μV* (-113 dBm) Modulation : OFF • Receiving | | Connect an AC millivolt meter to [SP] jack with a 4 Ω load. | Maximum audio output level | MAIN | Adjust in sequence L208, L209, L210, L301, L307, L302 |

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

MAIN UNIT

• LOCATION (Bottom half)



4-6 SOFTWARE ADJUSTMENT

| ADJUSTMENT | ADJUSTMENT CONDITION | DISPLAY | OPERATION |
|----------------|--|-----------------------|---|
| TOTAL GAIN | 1 <ul style="list-style-type: none"> • Enter the adjustment mode. • Push [2 SQL] to enter the RX adjustment mode. • Connect an SSG to [ANT1] connector and set as; <ul style="list-style-type: none"> Frequency : 12.3540 MHz Level : 320 μV* (-57 dBm) Modulation : OFF • Receiving | RX TOTAL GAIN | Push [ENT]. |
| S-METER | 1 <ul style="list-style-type: none"> • Apply no signal to [ANT1] connector. • Receiving | S LEVEL ZERO | Push [ENT]. |
| | 2 <ul style="list-style-type: none"> • Set an SSG as; <ul style="list-style-type: none"> Frequency : 12.3540 MHz Level : 7.1 mV* (-30 dBm) Modulation : OFF • Receiving | S LEVEL 8 | Push [ENT]. |
| DSC | 1 <ul style="list-style-type: none"> • Push [3 SCAN] to enter the DSC adjustment mode. • DSC frequency : 8.4145 MHz • Connect an AC millivolt meter to [SP] jack with a 4 Ω load. • Connect an SSG to [ANT2] connector and set as; <ul style="list-style-type: none"> Frequency : 8.4145 MHz Level : 0.5 μV* (-113 dBm) Modulation : OFF • Receiving | DSC ADJUSTMENT | Set maximum AF output level by L2306, L2307. |
| | After adjustment, push [0 DIM] twice to select "DSC SELF CHECK" and disconnect an SSG from [ANT2]. | | |
| DSC SELF CHECK | 1 <ul style="list-style-type: none"> • DSC frequency : 8.4145 MHz • Connect an RF power meter to [ANT1] connector. • Transmitting | DSC SELF CHECK | Push [ENT] to start "DSC SELF CHECK." <ul style="list-style-type: none"> • When the DSC self check is succeeded, the transceiver displays main menu automatically. • When the DSC self check is failed, the transceiver displays "NG" message and emits error beep. |

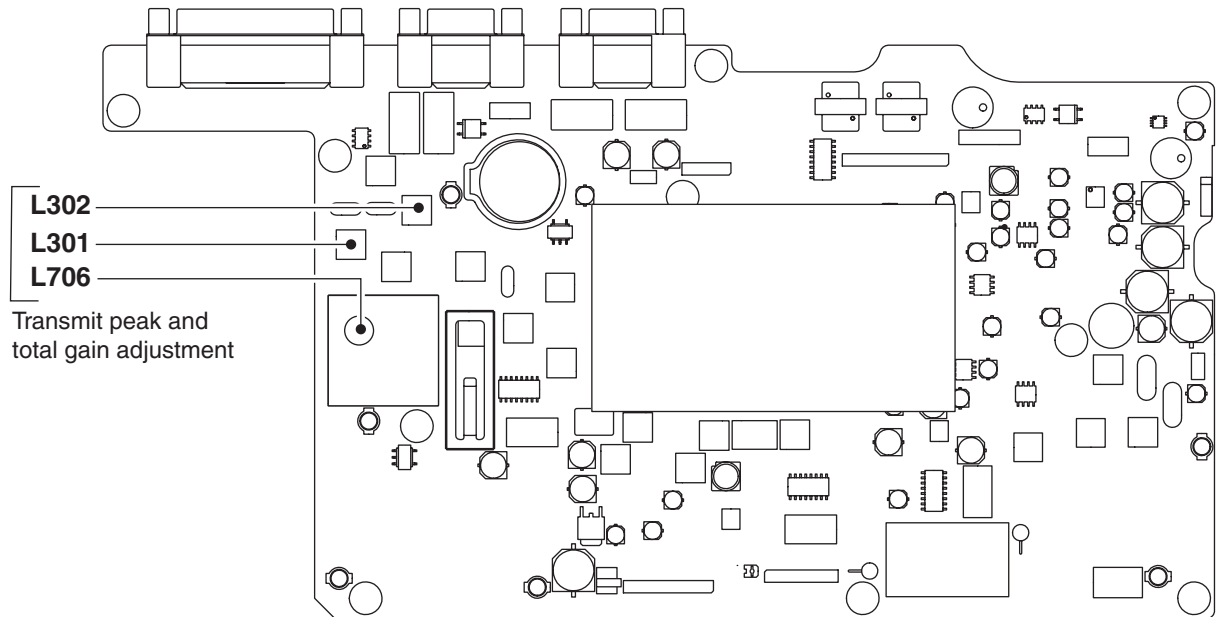
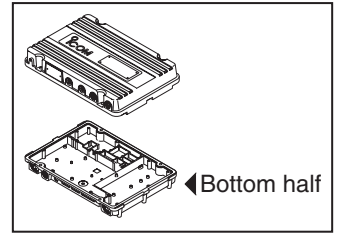
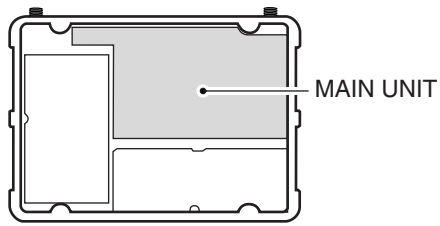
*The output level of the standard signal generator (SSG) is indicated as the SSG's open circuit.

4-6 SOFTWARE ADJUSTMENT (continued)

| ADJUSTMENT | | ADJUSTMENT CONDITION | DISPLAY | OPERATION |
|-----------------|---|---|-------------------------|---|
| ALC | 1 | <ul style="list-style-type: none"> • Enter the adjustment mode. • Push [1 NB] to enter the TX adjustment mode. • Connect an RF power meter to [ANT1] connector. • Connect an audio generator to [MIC] connector and set as; Level : 1.5 kHz/4 mV • Push [ENT], then the transceiver is transmitting. | TX GAIN | Set maximum output power by L706, L302, L301. |
| (TOTAL GAIN) | 2 | | | Rotate [CH] to set the output power to 75 W. Then push [ENT]. |
| HF POWER (HIGH) | 1 | <ul style="list-style-type: none"> • Connect an RF power meter to [ANT1] connector. • Connect an audio generator to [MIC] connector and set as; Level : 1.5 kHz/100 mV | TX HF POWER HI | Rotate [CH] to set the output power to 140 W. Then push [ENT]. |
| (MIDDLE) | 2 | | TX HF POWER MID | Rotate [CH] to set the output power to 100 W. Then push [ENT]. |
| (LOW) | 3 | | TX HF POWER LOW | Rotate [CH] to set the output power to 70 W. Then push [ENT]. |
| TUNE POWER | 1 | | TX HF POWER TUNE | Rotate [CH] to set the output power to 10 W. Then push [ENT]. |
| MF POWER (HIGH) | 1 | | TX MF POWER HI | Rotate [CH] to set the output power to 140 W. Then push [ENT]. |
| (MIDDLE) | 2 | | TX MF POWER MID | Rotate [CH] to set the output power to 100 W. Then push [ENT]. |
| (LOW) | 3 | | TX MF POWER LOW | Rotate [CH] to set the output power to 70 W. Then push [ENT]. |

MAIN UNIT

- LOCATION (Bottom half)



SECTION 5 PARTS LIST

[REPLACEMENT UNIT]

| ORDER NO. | UNIT NAME |
|------------|------------|
| 0319580101 | U M801 PLL |

5-1 IC-M801GMDSS

[MAIN UNIT]

| REF NO. | ORDER NO. | DESCRIPTION | M. | H/V LOCATION |
|---------|------------|---------------------------|----|--------------|
| IC1 | 1110006870 | S.IC μPC2709TB-E3 | T | 191.6/133.5 |
| IC501 | 1110005461 | S.IC TA4107F (TE12L F) | T | 91.3/83 |
| IC901 | 1110005461 | S.IC TA4107F (TE12L F) | T | 78.2/83.2 |
| IC1001 | 1130006221 | S.IC TC4W53FU (TE12L F) | T | 77.6/55.9 |
| IC1002 | 1110005450 | S.IC TS522IDT | T | 90.7/62.5 |
| IC1051 | 1110005450 | S.IC TS522IDT | T | 74.2/45 |
| IC1101 | 1110005450 | S.IC TS522IDT | T | 46.1/85.1 |
| IC1201 | 1110005140 | S.IC NJM3403AV-TE1 | T | 118.2/115.7 |
| IC1301 | 1160000131 | S.IC TD62783AFG (S.EL) | T | 98.7/118.2 |
| IC1302 | 1160000131 | S.IC TD62783AFG (S.EL) | T | 166.8/94.5 |
| IC1303 | 1160000131 | S.IC TD62783AFG (S.EL) | T | 57.9/109 |
| IC1501 | 1180000421 | S.IC TA78L05F (TE12R F) | T | 97.6/7 |
| IC1502 | 1180002010 | S.REG BA08FP-E2 | T | 152.4/116.6 |
| IC1551 | 1110001401 | S.IC μPC1555G2-T1-A | T | 61/123.7 |
| IC1601 | 1110003091 | IC LA4425A-E | | |
| IC1602 | 1130006221 | S.IC TC4W53FU (TE12L F) | T | 13.7/18.7 |
| IC1603 | 1110006300 | S.IC NJM2172V-TE1 | T | 29.1/37.1 |
| IC1701 | 1130006221 | S.IC TC4W53FU (TE12L F) | T | 25.6/58.3 |
| IC1702 | 1110005450 | S.IC TS522IDT | T | 45.8/46.3 |
| IC1703 | 1130006221 | S.IC TC4W53FU (TE12L F) | T | 76.9/66.6 |
| IC1704 | 1130006221 | S.IC TC4W53FU (TE12L F) | T | 61.8/66.4 |
| IC2001 | 1130008230 | S.IC BU4053BCFV-E2 | T | 59.5/38.3 |
| IC2701 | 1110005461 | S.IC TA4107F (TE12L F) | T | 40/60.9 |
| IC2702 | 1110005450 | S.IC TS522IDT | T | 56.8/58.5 |
| IC2703 | 1130006221 | S.IC TC4W53FU (TE12L F) | T | 48.7/59.8 |
| IC3101 | 1180000421 | S.IC TA78L05F (TE12R F) | T | 140.1/26.9 |
| IC3201 | 1130005721 | S.IC TC7W04F (TE12L F) | T | 85.6/41.4 |
| IC3301 | 1140009240 | S.IC HN58X24128FPI | T | 105.3/77.1 |
| IC3302 | 1110005771 | S.IC S-80942CNMC-G9CT2G | T | 104/68.4 |
| IC3303 | 1140013160 | S.IC M30624FGPFP | T | 118.1/63.2 |
| IC3601 | 1130007700 | S.IC BU4094BCF-E2 | T | 95.8/27.9 |
| IC3602 | 1130007700 | S.IC BU4094BCF-E2 | T | 99.3/107.8 |
| IC3603 | 1130007700 | S.IC BU4094BCF-E2 | T | 86.5/48.6 |
| IC3604 | 1130007700 | S.IC BU4094BCF-E2 | T | 170/84 |
| IC3605 | 1130007700 | S.IC BU4094BCF-E2 | T | 68.6/108.8 |
| IC3606 | 1110003690 | S.IC M62354GP 75EC | T | 67.3/94.2 |
| IC3801 | 1130011551 | S.IC RX-4581NB-F | T | 135.8/55.6 |
| IC9051 | 1120002921 | S.IC ADM202EARNZ | T | 172.2/16 |
| IC9052 | 1130007041 | S.IC TC7W32F (TE12L F) | T | 208.5/22.7 |
| IC9053 | 1170000290 | S.IC PS2701-1-F3 | T | 181.6/20.4 |
| IC9054 | 1170000290 | S.IC PS2701-1-F3 | T | 35.8/16.9 |
| IC9101 | 1130006801 | S.IC TC7W08F (TE12L F) | T | 44.1/16.9 |
| IC9151 | 1130012940 | S.IC TC74ACT245FT (EL) | T | 238.8/15 |
| IC9152 | 1130012950 | S.IC TC74ACT04FT (EL) | T | 256/14 |
| Q51 | 1530003091 | S.TR 2SC4213-B (TE85R F) | T | 163.6/128.3 |
| Q201 | 1560000721 | S.FET 2SK2171-4-TD-E | T | 184.4/78.3 |
| Q202 | 1560000721 | S.FET 2SK2171-4-TD-E | T | 179.5/81.7 |
| Q203 | 1580000620 | S.FET 3SK131-T2 MAS | T | 191.4/54.6 |
| Q401 | 1580000620 | S.FET 3SK131-T2 MAS | T | 136.6/102.3 |
| Q501 | 1580000620 | S.FET 3SK131-T2 MAS | T | 92.2/96.6 |
| Q601 | 1530003151 | S.TR 2SC4673D-TD-E | T | 201.4/77.5 |
| Q701 | 1580000620 | S.FET 3SK131-T2 MAS | T | 204.6/100.4 |
| Q702 | 1580000620 | S.FET 3SK131-T2 MAS | T | 212.8/77.5 |
| Q703 | 1580000620 | S.FET 3SK131-T2 MAS | T | 207.9/77.5 |
| Q801 | 1580000620 | S.FET 3SK131-T2 MAS | T | 132.9/92.7 |
| Q1201 | 1590000680 | S.TR DTC114EUA T106 | T | 109.8/112.7 |
| Q1202 | 1590000680 | S.TR DTC114EUA T106 | T | 109.8/115.3 |
| Q1203 | 1510000771 | S.TR 2SA1586-GR (TE85R F) | T | 131.6/114.9 |
| Q1204 | 1510000771 | S.TR 2SA1586-GR (TE85R F) | T | 138.9/122.3 |
| Q1205 | 1530003091 | S.TR 2SC4213-B (TE85R F) | T | 136/123.5 |
| Q1501 | 1540000441 | S.TR 2SD1619-TD-E | T | 83.7/113.3 |
| Q1502 | 1540000441 | S.TR 2SD1619-TD-E | T | 85.5/120.7 |
| Q1503 | 1590000680 | S.TR DTC114EUA T106 | T | 87.7/114.5 |
| Q1504 | 1590000680 | S.TR DTC114EUA T106 | T | 88.4/124.5 |
| Q1601 | 1590000680 | S.TR DTC114EUA T106 | T | 3.3/25.3 |
| Q1801 | 1540000441 | S.TR 2SD1619-TD-E | T | 140.6/37.8 |
| Q2101 | 1590000680 | S.TR DTC114EUA T106 | T | 41.6/133.4 |
| Q2102 | 1530002691 | S.TR 2SC4116-GR (TE85R F) | T | 41.6/130.1 |
| Q2301 | 1560000721 | S.FET 2SK2171-4-TD-E | T | 36.8/97 |
| Q2302 | 1560000721 | S.FET 2SK2171-4-TD-E | T | 36.8/91 |
| Q2401 | 1580000620 | S.FET 3SK131-T2 MAS | T | 35.6/79.3 |
| Q2501 | 1580000620 | S.FET 3SK131-T2 MAS | T | 43.9/72.8 |
| Q3001 | 1590000680 | S.TR DTC114EUA T106 | T | 134/125.8 |
| Q3004 | 1530002691 | S.TR 2SC4116-GR (TE85R F) | T | 137.4/44.6 |

[MAIN UNIT]

| REF NO. | ORDER NO. | DESCRIPTION | M. | H/V LOCATION |
|---------|------------|---------------------------|----|--------------|
| Q3801 | 1510000501 | S.TR 2SA1162-GR (TE85R F) | T | 134/49.1 |
| Q3802 | 1590000430 | S.TR DTC144EUA T106 | T | 137.3/49.9 |
| Q9001 | 1590000680 | S.TR DTC114EUA T106 | T | 127.5/19.7 |
| Q9002 | 1590000680 | S.TR DTC114EUA T106 | T | 145.6/19.7 |
| Q9051 | 1530002691 | S.TR 2SC4116-GR (TE85R F) | T | 163.9/9.2 |
| Q9052 | 1530002691 | S.TR 2SC4116-GR (TE85R F) | T | 207.5/18.5 |
| Q9053 | 1590000680 | S.TR DTC114EUA T106 | T | 203.7/18.5 |
| Q9054 | 1590000680 | S.TR DTC114EUA T106 | T | 203.7/21.6 |
| Q9055 | 1530002691 | S.TR 2SC4116-GR (TE85R F) | T | 163.9/6.6 |
| D51 | 1750000511 | S.DIO UX9401F-STD/TR | T | 170.3/132.7 |
| D52 | 1750000511 | S.DIO UX9401F-STD/TR | T | 173.1/132.7 |
| D53 | 1790001770 | S.DIO MA80WK-(TX) | T | 182.1/133.7 |
| D101 | 1790001770 | S.DIO MA80WK-(TX) | T | 171.9/125.1 |
| D102 | 1790001770 | S.DIO MA80WK-(TX) | T | 181.6/125.8 |
| D103 | 1790001770 | S.DIO MA80WK-(TX) | T | 189.7/125.7 |
| D104 | 1790001770 | S.DIO MA80WK-(TX) | T | 204.7/125.8 |
| D105 | 1790000620 | S.DIO MA77 (TX) | T | 216.6/125.6 |
| D106 | 1790001770 | S.DIO MA80WK-(TX) | T | 167.7/108.3 |
| D107 | 1790001770 | S.DIO MA80WK-(TX) | T | 181.6/105.7 |
| D108 | 1790001770 | S.DIO MA80WK-(TX) | T | 192/106.7 |
| D109 | 1790001770 | S.DIO MA80WK-(TX) | T | 206.2/106.7 |
| D110 | 1790000620 | S.DIO MA77 (TX) | T | 216.7/106.9 |
| D201 | 1790001770 | S.DIO MA80WK-(TX) | T | 192.8/103.1 |
| D301 | 1790001770 | S.DIO MA80WK-(TX) | T | 207.1/54.9 |
| D302 | 1750000431 | S.DIO HSB88WSTR-E | T | 160/52.3 |
| D303 | 1790001770 | S.DIO MA80WK-(TX) | T | 154.8/72.1 |
| D401 | 1790000620 | S.DIO MA77 (TX) | T | 127.1/97.2 |
| D402 | 1790000620 | S.DIO MA77 (TX) | T | 94.8/99.2 |
| D403 | 1790000620 | S.DIO MA77 (TX) | T | 124/89.9 |
| D404 | 1790000620 | S.DIO MA77 (TX) | T | 97.1/88.2 |
| D601 | 1730002280 | S.ZEN MA8091-M (TX) | T | 193.4/76.8 |
| D602 | 1790001770 | S.DIO MA80WK-(TX) | T | 193.1/72.4 |
| D901 | 1790001770 | S.DIO MA80WK-(TX) | T | 82.8/74.5 |
| D1102 | 1790001240 | S.DIO MA2S728-(TX) | T | 46.8/80 |
| D1201 | 1790001240 | S.DIO MA2S728-(TX) | T | 112.6/110.1 |
| D1202 | 1790001250 | S.DIO MA2S111-(TX) | T | 123.4/119.1 |
| D1203 | 1790001250 | S.DIO MA2S111-(TX) | T | 123.5/120.4 |
| D1204 | 1790001250 | S.DIO MA2S111-(TX) | T | 126.3/111.8 |
| D1205 | 1790001250 | S.DIO MA2S111-(TX) | T | 127.7/114.2 |
| D1206 | 1790000620 | S.DIO MA77 (TX) | T | 139/111 |
| D1207 | 1790001250 | S.DIO MA2S111-(TX) | T | 127.7/115.5 |
| D1501 | 1790001670 | S.DIO RB706F-40T106 | T | 83.2/117.5 |
| D1502 | 1790001670 | S.DIO RB706F-40T106 | T | 83.4/124.8 |
| D1551 | 1730002320 | S.ZEN MA8051-M (TX) | T | 65.4/132.9 |
| D1552 | 1790001670 | S.DIO RB706F-40T106 | T | 70.8/128.5 |
| D1554 | 1730002280 | S.ZEN MA8091-M (TX) | T | 57.2/128.2 |
| D1601 | 1790001250 | S.DIO MA2S111-(TX) | T | 34.5/28.6 |
| D1801 | 1790001250 | S.DIO MA2S111-(TX) | T | 137.5/42.7 |
| D2101 | 1790001240 | S.DIO MA2S728-(TX) | T | 34.9/128.1 |
| D2102 | 1790001250 | S.DIO MA2S111-(TX) | T | 32.1/133.6 |
| D2103 | 1750000511 | S.DIO UX9401F-STD/TR | T | 34.6/132.7 |
| D2104 | 1750000511 | S.DIO UX9401F-STD/TR | T | 37.4/132.7 |
| D2201 | 1790001770 | S.DIO MA80WK-(TX) | T | 32.2/124.1 |
| D2202 | 1790001770 | S.DIO MA80WK-(TX) | T | 12.2/124.1 |
| D2203 | 1790001770 | S.DIO MA80WK-(TX) | T | 35.9/103.6 |
| D2204 | 1790001770 | S.DIO MA80WK-(TX) | T | 13.5/103.6 |
| D2301 | 1750000431 | S.DIO HSB88WSTR-E | T | 24.5/94.6 |
| D3001 | 1790001670 | S.DIO RB706F-40T106 | T | 105.6/83 |
| D3002 | 1790001670 | S.DIO RB706F-40T106 | T | 44.9/28.9 |
| D3003 | 1790001670 | S.DIO RB706F-40T106 | T | 44.9/32.7 |
| D3004 | 1790001250 | S.DIO MA2S111-(TX) | T | 146.4/45.4 |
| D3006 | 1790001670 | S.DIO RB706F-40T106 | T | 113.9/101.9 |
| D3007 | 1790001670 | S.DIO RB706F-40T106 | T | 107.7/87.1 |
| D3301 | 1790001250 | S.DIO MA2S111-(TX) | T | 110.9/48.6 |
| D3302 | 1790001250 | S.DIO MA2S111-(TX) | T | 113.7/49.4 |
| D3336 | 1790001250 | S.DIO MA2S111-(TX) | T | 107.3/45.9 |
| D3337 | 1790001250 | S.DIO MA2S111-(TX) | T | 107.3/47.3 |
| D3801 | 1790001250 | S.DIO MA2S111-(TX) | T | 153.5/31.6 |
| D3802 | 1790001250 | S.DIO MA2S111-(TX) | T | 154.8/31.6 |
| D3803 | 1790001250 | S.DIO MA2S111-(TX) | T | 156.1/31.6 |
| D9001 | 1790001250 | S.DIO MA2S111-(TX) | T | 146.2/17 |
| D9002 | 1790001250 | S.DIO MA2S111-(TX) | T | 128.1/17 |
| D9003 | 1790001250 | S.DIO MA2S111-(TX) | T | 120/10.7 |
| D9051 | 1790001250 | S.DIO MA2S111-(TX) | T | 183.8/26.1 |
| D9052 | 1790001250 | S.DIO MA2S111-(TX) | T | 203.1/24.5 |
| D9053 | 1790001250 | S.DIO MA2S111-(TX) | T | 203.8/16.3 |
| D9054 | 1790001250 | S.DIO MA2S111-(TX) | T | 206.3/16.3 |
| D9101 | 1790001250 | S.DIO MA2S111-(TX) | T | 30.9/16.9 |
| D9102 | 1790001250 | S.DIO MA2S111-(TX) | T | 44.1/13.1 |
| D9103 | 1790001670 | S.DIO RB706F-40T106 | T | 249.6/15.7 |
| D9104 | 1790001670 | S.DIO RB706F-40T106 | T | 218.8/12.8 |
| D9105 | 1790001670 | S.DIO RB706F-40T106 | T | 224.3/12.8 |

M.=Mounted side (T: Mounted on the Top side, B: Mounted on the Bottom side)
S.=Surface mount

[MAIN UNIT]

| REF NO. | ORDER NO. | DESCRIPTION | M. | H/V LOCATION |
|---------|------------|------------------------------|----|--------------|
| L3301 | 6200001831 | S.COL NLV32T-100J | T | 128.6/24.8 |
| L3601 | 6200003950 | S.COL HF50ACC 322513-T | T | 65.8/32 |
| L3602 | 6200003950 | S.COL HF50ACC 322513-T | T | 69/33.9 |
| L9001 | 6200002041 | S.COL NLV25T-101J | T | 150.9/23.2 |
| L9002 | 6200003950 | S.COL HF50ACC 322513-T | T | 155.9/23.8 |
| L9151 | 6200005011 | S.COL NLV25T-100J | T | 233.2/19.1 |
| L9152 | 6200005011 | S.COL NLV25T-100J | T | 252.7/18 |
| L9153 | 6200002041 | S.COL NLV25T-101J | T | 165.8/19.6 |
| R1 | 7030003240 | S.RES ERJ3GEYJ 220 V (22) | T | 209.1/128.8 |
| R2 | 7030003340 | S.RES ERJ3GEYJ 151 V (150) | T | 209.1/130.1 |
| R3 | 7030003340 | S.RES ERJ3GEYJ 151 V (150) | T | 206.4/130.1 |
| R4 | 7030003280 | S.RES ERJ3GEYJ 470 V (47) | T | 194.4/131.1 |
| R5 | 7030003230 | S.RES ERJ3GEYJ 180 V (18) | T | 188.5/132 |
| R6 | 7030003370 | S.RES ERJ3GEYJ 271 V (270) | T | 189.3/133.8 |
| R7 | 7030003370 | S.RES ERJ3GEYJ 271 V (270) | T | 187.9/133.8 |
| R8 | 7030003400 | S.RES ERJ3GEYJ 471 V (470) | T | 185.3/133.8 |
| R9 | 7030003230 | S.RES ERJ3GEYJ 180 V (18) | T | 206.4/128.8 |
| R10 | 7030003240 | S.RES ERJ3GEYJ 220 V (22) | T | 194.4/129.8 |
| R54 | 7030003410 | S.RES ERJ3GEYJ 561 V (560) | T | 179.7/129.5 |
| R56 | 7030003360 | S.RES ERJ3GEYJ 221 V (220) | T | 179.7/128 |
| R57 | 7030003400 | S.RES ERJ3GEYJ 471 V (470) | T | 183.3/129.1 |
| R58 | 7030003400 | S.RES ERJ3GEYJ 471 V (470) | T | 185.3/128.6 |
| R59 | 7030003440 | S.RES ERJ3GEYJ 102 V (1 k) | T | 166.5/125.9 |
| R60 | 7030003440 | S.RES ERJ3GEYJ 102 V (1 k) | T | 163.9/125.1 |
| R61 | 7030003560 | S.RES ERJ3GEYJ 103 V (10 k) | T | 165.8/127.9 |
| R101 | 7030003360 | S.RES ERJ3GEYJ 221 V (220) | T | 163.8/111.2 |
| R102 | 7030003360 | S.RES ERJ3GEYJ 221 V (220) | T | 173.8/107.6 |
| R103 | 7030003360 | S.RES ERJ3GEYJ 221 V (220) | T | 180.6/107.9 |
| R104 | 7030003360 | S.RES ERJ3GEYJ 221 V (220) | T | 186.1/108.1 |
| R105 | 7030003360 | S.RES ERJ3GEYJ 221 V (220) | T | 194.4/108.9 |
| R106 | 7030003360 | S.RES ERJ3GEYJ 221 V (220) | T | 200.1/108.4 |
| R107 | 7030003360 | S.RES ERJ3GEYJ 221 V (220) | T | 205.3/111.1 |
| R108 | 7030003360 | S.RES ERJ3GEYJ 221 V (220) | T | 213.7/107.6 |
| R109 | 7030003360 | S.RES ERJ3GEYJ 221 V (220) | T | 160.5/112.5 |
| R110 | 7030003400 | S.RES ERJ3GEYJ 471 V (470) | T | 164.6/106.8 |
| R201 | 7030003400 | S.RES ERJ3GEYJ 471 V (470) | T | 195.6/104.2 |
| R202 | 7030003360 | S.RES ERJ3GEYJ 221 V (220) | T | 179/96.5 |
| R203 | 7030003240 | S.RES ERJ3GEYJ 220 V (22) | T | 214.1/54.4 |
| R204 | 7030003400 | S.RES ERJ3GEYJ 471 V (470) | T | 184.1/86.5 |
| R205 | 7030003400 | S.RES ERJ3GEYJ 471 V (470) | T | 179.8/86.4 |
| R207 | 7030003400 | S.RES ERJ3GEYJ 471 V (470) | T | 185.2/83 |
| R208 | 7030003320 | S.RES ERJ3GEYJ 101 V (100) | T | 181.6/63.6 |
| R209 | 7030003240 | S.RES ERJ3GEYJ 220 V (22) | T | 187.7/57.1 |
| R210 | 7030003560 | S.RES ERJ3GEYJ 103 V (10 k) | T | 188.3/51.5 |
| R211 | 7030003480 | S.RES ERJ3GEYJ 222 V (2.2 k) | T | 190.5/57.1 |
| R212 | 7030003800 | S.RES ERJ3GEYJ 105 V (1 M) | T | 189.8/51.5 |
| R213 | 7030003320 | S.RES ERJ3GEYJ 101 V (100) | T | 193.8/57.9 |
| R214 | 7030003480 | S.RES ERJ3GEYJ 222 V (2.2 k) | T | 194/52.9 |
| R215 | 7030003320 | S.RES ERJ3GEYJ 101 V (100) | T | 197.4/49.3 |
| R216 | 7030003860 | S.RES ERJ3GE JPW V | T | 182/87.3 |
| R301 | 7030003440 | S.RES ERJ3GEYJ 102 V (1 k) | T | 204.9/54 |
| R302 | 7030003360 | S.RES ERJ3GEYJ 221 V (220) | T | 190/41.8 |
| R306 | 7030003280 | S.RES ERJ3GEYJ 470 V (47) | T | 161.5/63.6 |
| R307 | 7030003440 | S.RES ERJ3GEYJ 102 V (1 k) | T | 157.9/65.6 |
| R309 | 7030003440 | S.RES ERJ3GEYJ 102 V (1 k) | T | 208.3/57.1 |
| R401 | 7030003440 | S.RES ERJ3GEYJ 102 V (1 k) | T | 167.6/74.6 |
| R404 | 7030003640 | S.RES ERJ3GEYJ 473 V (47 k) | T | 140.3/102.1 |
| R405 | 7030003560 | S.RES ERJ3GEYJ 103 V (10 k) | T | 139.5/100.6 |
| R406 | 7030003760 | S.RES ERJ3GEYJ 474 V (470 k) | T | 136.6/106 |
| R407 | 7030003320 | S.RES ERJ3GEYJ 101 V (100) | T | 136/98.6 |
| R408 | 7030003400 | S.RES ERJ3GEYJ 471 V (470) | T | 134.2/104 |
| R409 | 7030003320 | S.RES ERJ3GEYJ 101 V (100) | T | 140/105.3 |
| R410 | 7030003440 | S.RES ERJ3GEYJ 102 V (1 k) | T | 118.8/100.3 |
| R413 | 7030003440 | S.RES ERJ3GEYJ 102 V (1 k) | T | 104.9/101.1 |
| R414 | 7030003440 | S.RES ERJ3GEYJ 102 V (1 k) | T | 128.9/97.1 |
| R415 | 7030003480 | S.RES ERJ3GEYJ 222 V (2.2 k) | T | 89.1/107.2 |
| R501 | 7030003860 | S.RES ERJ3GE JPW V | T | 85.6/102.4 |
| R502 | 7030005871 | S.RES ERA3YKD 104V (100 k) | T | 89/96.4 |
| R503 | 7030003610 | S.RES ERJ3GEYJ 273 V (27 k) | T | 88.9/97.7 |
| R504 | 7030003440 | S.RES ERJ3GEYJ 102 V (1 k) | T | 89/99 |
| R505 | 7030003430 | S.RES ERJ3GEYJ 821 V (820) | T | 95.2/94.1 |
| R506 | 7030003400 | S.RES ERJ3GEYJ 471 V (470) | T | 91.2/93.3 |
| R507 | 7030003320 | S.RES ERJ3GEYJ 101 V (100) | T | 85.6/97 |
| R508 | 7510001450 | S.TMR NTCG16 4BH 472KT | T | 95.2/95.4 |
| R509 | 7030003600 | S.RES ERJ3GEYJ 223 V (22 k) | T | 86.9/97 |
| R514 | 7030003440 | S.RES ERJ3GEYJ 102 V (1 k) | T | 91.2/87.9 |
| R601 | 7030006220 | S.RES ERJ12YJ470U (47) | T | 194.5/81.5 |
| R602 | 7030003280 | S.RES ERJ3GEYJ 470 V (47) | T | 202.2/83.8 |
| R603 | 7030009591 | S.RES ERA3YED 472V (4.7 k) | T | 199.4/81.3 |
| R604 | 7030003440 | S.RES ERJ3GEYJ 102 V (1 k) | T | 202/81.3 |
| R605 | 7030003200 | S.RES ERJ3GEYJ 100 V (10) | T | 198.2/75.3 |
| R606 | 7030003440 | S.RES ERJ3GEYJ 102 V (1 k) | T | 194.1/74.4 |
| R607 | 7030003440 | S.RES ERJ3GEYJ 102 V (1 k) | T | 191.2/73.1 |
| R608 | 7030003400 | S.RES ERJ3GEYJ 471 V (470) | T | 203.3/81.3 |
| R609 | 7030003440 | S.RES ERJ3GEYJ 102 V (1 k) | T | 198.1/81.3 |
| R610 | 7030003200 | S.RES ERJ3GEYJ 100 V (10) | T | 201.4/85.7 |
| R701 | 7030003360 | S.RES ERJ3GEYJ 221 V (220) | T | 202.2/100.6 |
| R702 | 7030003410 | S.RES ERJ3GEYJ 561 V (560) | T | 202.3/97.2 |
| R703 | 7030003440 | S.RES ERJ3GEYJ 102 V (1 k) | T | 207/103.4 |
| R704 | 7030003640 | S.RES ERJ3GEYJ 473 V (47 k) | T | 204.9/102.8 |

[MAIN UNIT]

| REF NO. | ORDER NO. | DESCRIPTION | M. | H/V LOCATION |
|---------|------------|------------------------------|----|--------------|
| R705 | 7030003360 | S.RES ERJ3GEYJ 221 V (220) | T | 205.7/97.5 |
| R706 | 7030003320 | S.RES ERJ3GEYJ 101 V (100) | T | 207.7/100.7 |
| R707 | 7510001460 | S.TMR NTCG16 3NH 471KT | T | 207.7/99.4 |
| R708 | 7030003440 | S.RES ERJ3GEYJ 102 V (1 k) | T | 215.2/77.2 |
| R709 | 7030003440 | S.RES ERJ3GEYJ 102 V (1 k) | T | 210.4/77.2 |
| R710 | 7030003360 | S.RES ERJ3GEYJ 221 V (220) | T | 211.4/81.3 |
| R711 | 7030003400 | S.RES ERJ3GEYJ 471 V (470) | T | 210.2/75 |
| R712 | 7030003370 | S.RES ERJ3GEYJ 271 V (270) | T | 210/64.4 |
| R713 | 7030003230 | S.RES ERJ3GEYJ 180 V (18) | T | 194.2/64 |
| R714 | 7030003370 | S.RES ERJ3GEYJ 271 V (270) | T | 192.2/63.2 |
| R715 | 7030003230 | S.RES ERJ3GEYJ 180 V (18) | T | 210/63.1 |
| R716 | 7030003370 | S.RES ERJ3GEYJ 271 V (270) | T | 207.6/63.6 |
| R717 | 7030003370 | S.RES ERJ3GEYJ 271 V (270) | T | 192.2/64.8 |
| R718 | 7030003440 | S.RES ERJ3GEYJ 102 V (1 k) | T | 193.2/70.3 |
| R719 | 7030003320 | S.RES ERJ3GEYJ 101 V (100) | T | 198.7/97.3 |
| R720 | 7030003550 | S.RES ERJ3GEYJ 822 V (8.2 k) | T | 199/65.1 |
| R722 | 7510001460 | S.TMR NTCG16 3NH 471KT | T | 203.6/97.4 |
| R801 | 7030003480 | S.RES ERJ3GEYJ 222 V (2.2 k) | T | 136.3/93.4 |
| R802 | 7030003240 | S.RES ERJ3GEYJ 220 V (22) | T | 131.5/97.1 |
| R803 | 7030003860 | S.RES ERJ3GE JPW V | T | 133.8/95.1 |
| R804 | 7030003400 | S.RES ERJ3GEYJ 471 V (470) | T | 130.6/90.3 |
| R813 | 7030003600 | S.RES ERJ3GEYJ 223 V (22 k) | T | 131.2/95.1 |
| R901 | 7030003440 | S.RES ERJ3GEYJ 102 V (1 k) | T | 80.3/73.7 |
| R902 | 7030003440 | S.RES ERJ3GEYJ 102 V (1 k) | T | 82.5/78.4 |
| R903 | 7030003440 | S.RES ERJ3GEYJ 102 V (1 k) | T | 85.5/74.1 |
| R904 | 7030003280 | S.RES ERJ3GEYJ 470 V (47) | T | 82.4/83.8 |
| R910 | 7030003440 | S.RES ERJ3GEYJ 102 V (1 k) | T | 82.8/79.9 |
| R911 | 7030003440 | S.RES ERJ3GEYJ 102 V (1 k) | T | 84.1/89.4 |
| R1002 | 7030003400 | S.RES ERJ3GEYJ 471 V (470) | T | 74.4/58.3 |
| R1003 | 7030003400 | S.RES ERJ3GEYJ 471 V (470) | T | 79.5/63.8 |
| R1004 | 7030003440 | S.RES ERJ3GEYJ 102 V (1 k) | T | 75.7/52.6 |
| R1005 | 7030003440 | S.RES ERJ3GEYJ 102 V (1 k) | T | 80.1/52.7 |
| R1006 | 7030003440 | S.RES ERJ3GEYJ 102 V (1 k) | T | 81/62.1 |
| R1007 | 7030003440 | S.RES ERJ3GEYJ 102 V (1 k) | T | 82.3/62.1 |
| R1008 | 7030003320 | S.RES ERJ3GEYJ 101 V (100) | T | 85.8/61.9 |
| R1009 | 7030003320 | S.RES ERJ3GEYJ 101 V (100) | T | 87.2/67.6 |
| R1010 | 7030003440 | S.RES ERJ3GEYJ 102 V (1 k) | T | 85.5/65 |
| R1011 | 7030003440 | S.RES ERJ3GEYJ 102 V (1 k) | T | 91.9/66.7 |
| R1012 | 7030003860 | S.RES ERJ3GE JPW V | T | 93.9/66 |
| R1014 | 7030003440 | S.RES ERJ3GEYJ 102 V (1 k) | T | 92.6/68.6 |
| R1015 | 7030003650 | S.RES ERJ3GEYJ 563 V (56 k) | T | 89.2/66.7 |
| R1016 | 7030003560 | S.RES ERJ3GEYJ 103 V (10 k) | T | 91.1/68.6 |
| R1017 | 7030003440 | S.RES ERJ3GEYJ 102 V (1 k) | T | 81.7/56 |
| R1018 | 7030003320 | S.RES ERJ3GEYJ 101 V (100) | T | 72.2/51.4 |
| R1051 | 7030003320 | S.RES ERJ3GEYJ 101 V (100) | T | 70.8/51.4 |
| R1052 | 7030003320 | S.RES ERJ3GEYJ 101 V (100) | T | 78.4/43.9 |
| R1053 | 7030003440 | S.RES ERJ3GEYJ 102 V (1 k) | T | 76.1/50 |
| R1054 | 7030003440 | S.RES ERJ3GEYJ 102 V (1 k) | T | 79.4/50.8 |
| R1055 | 7030003440 | S.RES ERJ3GEYJ 102 V (1 k) | T | 77.6/46.2 |
| R1057 | 7030003440 | S.RES ERJ3GEYJ 102 V (1 k) | T | 69.4/44.1 |
| R1058 | 7030003440 | S.RES ERJ3GEYJ 102 V (1 k) | T | 70.7/41.4 |
| R1059 | 7030003440 | S.RES ERJ3GEYJ 102 V (1 k) | T | 74.7/40 |
| R1060 | 7030005871 | S.RES ERA3YKD 104V (100 k) | T | 70.7/46.7 |
| R1101 | 7030005871 | S.RES ERA3YKD 104V (100 k) | T | 50.2/84.6 |
| R1102 | 7030009591 | S.RES ERA3YED 472V (4.7 k) | T | 50.7/80 |
| R1103 | 7030005871 | S.RES ERA3YKD 104V (100 k) | T | 50.2/85.9 |
| R1104 | 7030003800 | S.RES ERJ3GEYJ 105 V (1 M) | T | 48.8/89.9 |
| R1105 | 7030003500 | S.RES ERJ3GEYJ 332 V (3.3 k) | T | 45.5/80 |
| R1106 | 7030003720 | S.RES ERJ3GEYJ 224 V (220 k) | T | 50.2/88.6 |
| R1107 | 7030003800 | S.RES ERJ3GEYJ 105 V (1 M) | T | 44/80 |
| R1108 | 7030003800 | S.RES ERJ3GEYJ 105 V (1 M) | T | 46.2/89.6 |
| R1109 | 7030003320 | S.RES ERJ3GEYJ 101 V (100) | T | 43.5/89.9 |
| R1110 | 7030003320 | S.RES ERJ3GEYJ 101 V (100) | T | 50.2/82 |
| R1111 | 7030003560 | S.RES ERJ3GEYJ 103 V (10 k) | T | 50.2/83.3 |
| R1112 | 7030003560 | S.RES ERJ3GEYJ 103 V (10 k) | T | 50.2/87.2 |
| R1113 | 7030003320 | S.RES ERJ3GEYJ 101 V (100) | T | 42.6/81.9 |
| R1114 | 7030003320 | S.RES ERJ3GEYJ 101 V (100) | T | 42.6/84.6 |
| R1115 | 7030003860 | S.RES ERJ3GE JPW V | T | 153.5/52.2 |
| R1116 | 7030003860 | S.RES ERJ3GE JPW V | T | 153.5/53.5 |
| R1118 | 7030003640 | S.RES ERJ3GEYJ 473 V (47 k) | T | 51.5/89.9 |
| R1201 | 7030003760 | S.RES ERJ3GEYJ 474 V (470 k) | T | 109.9/110.8 |
| R1202 | 7030003760 | S.RES ERJ3GEYJ 474 V (470 k) | T | 110.5/120.2 |
| R1203 | 7030003760 | S.RES ERJ3GEYJ 474 V (470 k) | T | 112.7/114.5 |
| R1204 | 7030003760 | S.RES ERJ3GEYJ 474 V (470 k) | T | 112.7/113.2 |
| R1205 | 7030005871 | S.RES ERA3YKD 104V (100 k) | T | 114.8/110.4 |
| R1206 | 7030003760 | S.RES ERJ3GEYJ 474 V (470 k) | T | 115.4/112.2 |
| R1207 | 7030003560 | S.RES ERJ3GEYJ 103 V (10 k) | T | 128.1/118.1 |
| R1208 | 7030003560 | S.RES ERJ3GEYJ 103 V (10 k) | T | 123.6/116.5 |
| R1209 | 7030003640 | S.RES ERJ3GEYJ 473 V (47 k) | T | 123.7/122.2 |
| R1210 | 7030003640 | S.RES ERJ3GEYJ 473 V (47 k) | T | 109.1/19.2 |
| R1211 | 7030005871 | S.RES ERA3YKD 104V (100 k) | T | 124.4/113.9 |
| R1212 | 7030005871 | S.RES ERA3YKD 104V (100 k) | T | 127.4/116.8 |
| R1213 | 7030005871 | S.RES ERA3YKD 104V (100 k) | T | 112.7/117.1 |
| R1214 | 7030003760 | S.RES ERJ3GEYJ 474 V (470 k) | T | 112.7/115.8 |
| R1215 | 7030003640 | S.RES ERJ3GEYJ 473 V (47 k) | T | 123.4/117.8 |
| R1216 | 7030003640 | S.RES ERJ3GEYJ 473 V (47 k) | T | 120.9/120.4 |
| R1217 | 7030003720 | S.RES ERJ3GEYJ 224 V (220 k) | T | 118.4/111.7 |
| R1218 | 7030003640 | S.RES ERJ3GEYJ 473 V (47 k) | T | 117.3/119.6 |
| R1219 | | | | |

[MAIN UNIT]

| REF NO. | ORDER NO. | DESCRIPTION | M. | H/V LOCATION |
|---------|------------|------------------------------|----|--------------|
| R1223 | 7030003480 | S.RES ERJ3GEYJ 222 V (2.2 k) | T | 137/111.9 |
| R1224 | 7030003320 | S.RES ERJ3GEYJ 101 V (100) | T | 118.6/119.6 |
| R1225 | 7030003320 | S.RES ERJ3GEYJ 101 V (100) | T | 117.1/110.4 |
| R1226 | 7030003360 | S.RES ERJ3GEYJ 221 V (220) | T | 131.9/117.4 |
| R1227 | 7030003860 | S.RES ERJ3GE JPW V | T | 133.9/117 |
| R1228 | 7030003440 | S.RES ERJ3GEYJ 102 V (1 k) | T | 136.1/121.6 |
| R1230 | 7030003760 | S.RES ERJ3GEYJ 474 V (470 k) | T | 136.3/90.4 |
| R1231 | 7030003860 | S.RES ERJ3GE JPW V | T | 115.7/121.9 |
| R1232 | 7030009930 | S.RES ERJ3GEYJ 825 V (8.2 M) | T | 125.2/118.9 |
| R1233 | 7030003760 | S.RES ERJ3GEYJ 474 V (470 k) | T | 112.5/111.9 |
| R1234 | 7030003560 | S.RES ERJ3GEYJ 103 V (10 k) | T | 140.9/122.3 |
| R1235 | 7030003560 | S.RES ERJ3GEYJ 103 V (10 k) | T | 142.7/121.5 |
| R1240 | 7030003440 | S.RES ERJ3GEYJ 102 V (1 k) | T | 112.5/119.7 |
| R1241 | 7030003720 | S.RES ERJ3GEYJ 224 V (220 k) | T | 123.3/115.2 |
| R1242 | 7030005871 | S.RES ERA3YKD 104V (100 k) | T | 109.9/117.2 |
| R1301 | 7030003200 | S.RES ERJ3GEYJ 100 V (10) | T | 94.3/125.4 |
| R1302 | 7030003200 | S.RES ERJ3GEYJ 100 V (10) | T | 95.6/125.4 |
| R1303 | 7030003200 | S.RES ERJ3GEYJ 100 V (10) | T | 96.9/125.4 |
| R1304 | 7030003200 | S.RES ERJ3GEYJ 100 V (10) | T | 98.2/125.4 |
| R1305 | 7030003200 | S.RES ERJ3GEYJ 100 V (10) | T | 99.5/125.4 |
| R1306 | 7030003200 | S.RES ERJ3GEYJ 100 V (10) | T | 100.8/125.4 |
| R1307 | 7030003200 | S.RES ERJ3GEYJ 100 V (10) | T | 102.1/125.4 |
| R1308 | 7030003200 | S.RES ERJ3GEYJ 100 V (10) | T | 103.4/125.4 |
| R1309 | 7030004040 | S.RES ERJ3GEYJ 4R7 V (4.7) | T | 91.5/116.2 |
| R1310 | 7030003500 | S.RES ERJ3GEYJ 332 V (3.3 k) | T | 161.6/103.7 |
| R1311 | 7030003500 | S.RES ERJ3GEYJ 332 V (3.3 k) | T | 162.9/103.7 |
| R1312 | 7030003500 | S.RES ERJ3GEYJ 332 V (3.3 k) | T | 164.2/103.7 |
| R1313 | 7030003500 | S.RES ERJ3GEYJ 332 V (3.3 k) | T | 165.5/103.7 |
| R1314 | 7030003500 | S.RES ERJ3GEYJ 332 V (3.3 k) | T | 166.8/103.7 |
| R1315 | 7030003500 | S.RES ERJ3GEYJ 332 V (3.3 k) | T | 168.1/103.7 |
| R1316 | 7030003500 | S.RES ERJ3GEYJ 332 V (3.3 k) | T | 169.4/103.7 |
| R1317 | 7030003500 | S.RES ERJ3GEYJ 332 V (3.3 k) | T | 170.7/103.7 |
| R1318 | 7030004040 | S.RES ERJ3GEYJ 4R7 V (4.7) | T | 174.3/91.6 |
| R1319 | 7030004040 | S.RES ERJ3GEYJ 4R7 V (4.7) | T | 53.8/98.9 |
| R1320 | 7030003500 | S.RES ERJ3GEYJ 332 V (3.3 k) | T | 50.7/111.5 |
| R1501 | 7030010420 | S.RES ERJ1TYJ 560U (56) | T | 4/78.4 |
| R1502 | 7030004040 | S.RES ERJ3GEYJ 4R7 V (4.7) | T | 89.5/118.1 |
| R1503 | 7030004040 | S.RES ERJ3GEYJ 4R7 V (4.7) | T | 89.5/119.4 |
| R1504 | 7030003440 | S.RES ERJ3GEYJ 102 V (1 k) | T | 87.4/112.6 |
| R1505 | 7030003440 | S.RES ERJ3GEYJ 102 V (1 k) | T | 88.7/121.5 |
| R1506 | 7030009620 | S.RES ERJ12YJ120U (12) | T | 146.2/109.5 |
| R1507 | 7030009620 | S.RES ERJ12YJ120U (12) | T | 146.2/113.2 |
| R1551 | 7030006220 | S.RES ERJ12YJ470U (47) | T | 75.1/128.9 |
| R1553 | 7030006220 | S.RES ERJ12YJ470U (47) | T | 55.6/131.1 |
| R1555 | 7030003560 | S.RES ERJ3GEYJ 103 V (10 k) | T | 59.9/130.3 |
| R1556 | 7030003720 | S.RES ERJ3GEYJ 224 V (220 k) | T | 61.3/129 |
| R1601 | 7030003400 | S.RES ERJ3GEYJ 471 V (470) | T | 22.1/32.8 |
| R1602 | 7030003440 | S.RES ERJ3GEYJ 102 V (1 k) | T | 9.3/19.1 |
| R1603 | 7030009591 | S.RES ERA3YED 472V (4.7 k) | T | 9.3/20.4 |
| R1605 | 7030003860 | S.RES ERJ3GE JPW V | T | 49.9/19.8 |
| R1606 | 7030003400 | S.RES ERJ3GEYJ 471 V (470) | T | 9.3/17.8 |
| R1607 | 7030003400 | S.RES ERJ3GEYJ 471 V (470) | T | 18/21.1 |
| R1609 | 7030003480 | S.RES ERJ3GEYJ 222 V (2.2 k) | T | 42.3/28.4 |
| R1611 | 7030003760 | S.RES ERJ3GEYJ 474 V (470 k) | T | 41/28.4 |
| R1612 | 7030003440 | S.RES ERJ3GEYJ 102 V (1 k) | T | 30.9/48.2 |
| R1613 | 7030003480 | S.RES ERJ3GEYJ 222 V (2.2 k) | T | 37.6/49.6 |
| R1614 | 7030003400 | S.RES ERJ3GEYJ 471 V (470) | T | 34.9/49.6 |
| R1615 | 7030003560 | S.RES ERJ3GEYJ 103 V (10 k) | T | 30.4/33.7 |
| R1616 | 7030003370 | S.RES ERJ3GEYJ 271 V (270) | T | 38.4/28.7 |
| R1617 | 7030003410 | S.RES ERJ3GEYJ 561 V (560) | T | 37.1/28.7 |
| R1620 | 7030003560 | S.RES ERJ3GEYJ 103 V (10 k) | T | 27.6/33.7 |
| R1621 | 7030003610 | S.RES ERJ3GEYJ 273 V (27 k) | T | 42.4/36 |
| R1622 | 7030003630 | S.RES ERJ3GEYJ 393 V (39 k) | T | 41.1/36 |
| R1623 | 7030003440 | S.RES ERJ3GEYJ 102 V (1 k) | T | 29.8/41.5 |
| R1624 | 7030003560 | S.RES ERJ3GEYJ 103 V (10 k) | T | 30.3/46.3 |
| R1625 | 7030003560 | S.RES ERJ3GEYJ 103 V (10 k) | T | 28.1/47 |
| R1626 | 7030003560 | S.RES ERJ3GEYJ 103 V (10 k) | T | 27.2/41.5 |
| R1627 | 7030003650 | S.RES ERJ3GEYJ 563 V (56 k) | T | 28.5/41.5 |
| R1701 | 7030003480 | S.RES ERJ3GEYJ 222 V (2.2 k) | T | 25.3/52.4 |
| R1702 | 7030003560 | S.RES ERJ3GEYJ 103 V (10 k) | T | 24.6/54.3 |
| R1703 | 7030003400 | S.RES ERJ3GEYJ 471 V (470) | T | 28/55.6 |
| R1704 | 7030003400 | S.RES ERJ3GEYJ 471 V (470) | T | 25.3/61.5 |
| R1705 | 7030005691 | S.RES ERA3YED 123V (12 k) | T | 29.3/58.1 |
| R1707 | 7030003400 | S.RES ERJ3GEYJ 471 V (470) | T | 30.1/54.9 |
| R1708 | 7030003860 | S.RES ERJ3GE JPW V | T | 30.1/53.6 |
| R1709 | 7030003440 | S.RES ERJ3GEYJ 102 V (1 k) | T | 48.5/51.9 |
| R1710 | 7030003440 | S.RES ERJ3GEYJ 102 V (1 k) | T | 49.2/47.7 |
| R1711 | 7030003320 | S.RES ERJ3GEYJ 101 V (100) | T | 42.3/48.2 |
| R1712 | 7030003320 | S.RES ERJ3GEYJ 101 V (100) | T | 49.2/45.1 |
| R1713 | 7030003440 | S.RES ERJ3GEYJ 102 V (1 k) | T | 42.3/44.3 |
| R1715 | 7030003550 | S.RES ERJ3GEYJ 822 V (8.2 k) | T | 44.5/42 |
| R1716 | 7030003480 | S.RES ERJ3GEYJ 222 V (2.2 k) | T | 44.5/40.7 |
| R1717 | 7030003440 | S.RES ERJ3GEYJ 102 V (1 k) | T | 46.5/41.3 |
| R1718 | 7030003560 | S.RES ERJ3GEYJ 103 V (10 k) | T | 44.5/39.4 |
| R1719 | 7030003560 | S.RES ERJ3GEYJ 103 V (10 k) | T | 79.3/66.6 |
| R1720 | 7030003400 | S.RES ERJ3GEYJ 471 V (470) | T | 75.4/70.8 |
| R1721 | 7030003400 | S.RES ERJ3GEYJ 471 V (470) | T | 75.3/62.1 |
| R1722 | 7030003440 | S.RES ERJ3GEYJ 102 V (1 k) | T | 75.3/63.4 |
| R1723 | 7030003440 | S.RES ERJ3GEYJ 102 V (1 k) | T | 74.5/65.4 |
| R1724 | 7030003400 | S.RES ERJ3GEYJ 471 V (470) | T | 58.9/69.1 |
| R1725 | 7030003400 | S.RES ERJ3GEYJ 471 V (470) | T | 60.4/71 |
| R1726 | 7030009591 | S.RES ERA3YED 472V (4.7 k) | T | 26.6/53.7 |

[MAIN UNIT]

| REF NO. | ORDER NO. | DESCRIPTION | M. | H/V LOCATION |
|---------|------------|------------------------------|----|--------------|
| R1801 | 7030003500 | S.RES ERJ3GEYJ 332 V (3.3 k) | T | 143.8/36.4 |
| R1802 | 7030003500 | S.RES ERJ3GEYJ 332 V (3.3 k) | T | 145.1/36.4 |
| R1803 | 7030003500 | S.RES ERJ3GEYJ 332 V (3.3 k) | T | 146.4/36.7 |
| R1804 | 7030003560 | S.RES ERJ3GEYJ 103 V (10 k) | T | 145.1/39.1 |
| R1901 | 7030004040 | S.RES ERJ3GEYJ 4R7 V (4.7) | T | 135/128.5 |
| R1902 | 7030003440 | S.RES ERJ3GEYJ 102 V (1 k) | T | 138.4/126.6 |
| R1903 | 7030003440 | S.RES ERJ3GEYJ 102 V (1 k) | T | 121.1/132.9 |
| R1904 | 7030003440 | S.RES ERJ3GEYJ 102 V (1 k) | T | 132.9/129.3 |
| R2001 | 7030003560 | S.RES ERJ3GEYJ 103 V (10 k) | T | 59.6/34.8 |
| R2002 | 7030003560 | S.RES ERJ3GEYJ 103 V (10 k) | T | 61.6/43.1 |
| R2004 | 7030003860 | S.RES ERJ3GE JPW V | T | 59/43.1 |
| R2005 | 7030003860 | S.RES ERJ3GE JPW V | T | 62.3/34.8 |
| R2050 | 7030003860 | S.RES ERJ3GE JPW V | T | 45.1/24.3 |
| R2101 | 7030003600 | S.RES ERJ3GEYJ 223 V (22 k) | T | 37.1/127.3 |
| R2102 | 7030003560 | S.RES ERJ3GEYJ 103 V (10 k) | T | 42.7/127.5 |
| R2103 | 7030003320 | S.RES ERJ3GEYJ 101 V (100) | T | 43.9/133.6 |
| R2104 | 7030003560 | S.RES ERJ3GEYJ 103 V (10 k) | T | 45.4/130.9 |
| R2105 | 7030003400 | S.RES ERJ3GEYJ 471 V (470) | T | 38.4/124.9 |
| R2106 | 7030003630 | S.RES ERJ3GEYJ 393 V (39 k) | T | 20/126.5 |
| R2107 | 7030003630 | S.RES ERJ3GEYJ 393 V (39 k) | T | 17.4/126.5 |
| R2108 | 7030003600 | S.RES ERJ3GEYJ 223 V (22 k) | T | 45.4/133.6 |
| R2201 | 7030003320 | S.RES ERJ3GEYJ 101 V (100) | T | 50.7/105 |
| R2202 | 7030003320 | S.RES ERJ3GEYJ 101 V (100) | T | 50.7/103.7 |
| R2203 | 7030003320 | S.RES ERJ3GEYJ 101 V (100) | T | 50.7/106.3 |
| R2204 | 7030003320 | S.RES ERJ3GEYJ 101 V (100) | T | 50.7/107.6 |
| R2205 | 7030003500 | S.RES ERJ3GEYJ 332 V (3.3 k) | T | 42.9/103.7 |
| R2206 | 7030003500 | S.RES ERJ3GEYJ 332 V (3.3 k) | T | 48/103.1 |
| R2207 | 7030003500 | S.RES ERJ3GEYJ 332 V (3.3 k) | T | 46.9/108.1 |
| R2208 | 7030003500 | S.RES ERJ3GEYJ 332 V (3.3 k) | T | 46.9/106.7 |
| R2301 | 7030003440 | S.RES ERJ3GEYJ 102 V (1 k) | T | 39.5/104.5 |
| R2302 | 7030003240 | S.RES ERJ3GEYJ 220 V (22 k) | T | 43.4/92.1 |
| R2303 | 7030004040 | S.RES ERJ3GEYJ 4R7 V (4.7) | T | 32.5/100 |
| R2306 | 7030003280 | S.RES ERJ3GEYJ 470 V (47) | T | 10.9/96.2 |
| R2401 | 7030003650 | S.RES ERJ3GEYJ 563 V (56 k) | T | 32/82.5 |
| R2402 | 7030003580 | S.RES ERJ3GEYJ 153 V (15 k) | T | 33.3/82.5 |
| R2403 | 7030003800 | S.RES ERJ3GEYJ 105 V (1 M) | T | 35.3/76.9 |
| R2404 | 7030003320 | S.RES ERJ3GEYJ 101 V (100) | T | 35.4/83.2 |
| R2405 | 7030003320 | S.RES ERJ3GEYJ 101 V (100) | T | 40.6/85.4 |
| R2406 | 7030003480 | S.RES ERJ3GEYJ 221 V (2.2 k) | T | 39.2/79.1 |
| R2407 | 7030005691 | S.RES ERA3YED 123V (12 k) | T | 32/85.2 |
| R2501 | 7030009591 | S.RES ERA3YED 472V (4.7 k) | T | 47.8/76.4 |
| R2502 | 7030003440 | S.RES ERJ3GEYJ 102 V (1 k) | T | 47.8/73.8 |
| R2503 | 7030003760 | S.RES ERJ3GEYJ 474 V (470 k) | T | 39.2/76.7 |
| R2504 | 7030003320 | S.RES ERJ3GEYJ 101 V (100) | T | 48.4/70.2 |
| R2505 | 7030003320 | S.RES ERJ3GEYJ 101 V (100) | T | 47.8/65.6 |
| R2506 | 7030003400 | S.RES ERJ3GEYJ 471 V (470) | T | 45.1/65.6 |
| R2507 | 7030003400 | S.RES ERJ3GEYJ 471 V (470) | T | 47.8/72.5 |
| R2508 | 7030003480 | S.RES ERJ3GEYJ 222 V (2.2 k) | T | 47.8/75.1 |
| R2701 | 7030003440 | S.RES ERJ3GEYJ 102 V (1 k) | T | 35/63.4 |
| R2702 | 7030003650 | S.RES ERJ3GEYJ 563 V (56 k) | T | 51.8/57.9 |
| R2703 | 7030003560 | S.RES ERJ3GEYJ 103 V (10 k) | T | 49.4/54.9 |
| R2704 | 7030003650 | S.RES ERJ3GEYJ 563 V (56 k) | T | 51.8/59.2 |
| R2705 | 7030003650 | S.RES ERJ3GEYJ 563 V (56 k) | T | 51.8/60.5 |
| R2706 | 7030003370 | S.RES ERJ3GEYJ 271 V (270) | T | 45/55.9 |
| R2708 | 7030003440 | S.RES ERJ3GEYJ 102 V (1 k) | T | 53.6/62 |
| R2709 | 7030003320 | S.RES ERJ3GEYJ 101 V (100) | T | 56.5/63.3 |
| R2710 | 7030003320 | S.RES ERJ3GEYJ 101 V (100) | T | 54.3/50.4 |
| R2711 | 7030003440 | S.RES ERJ3GEYJ 102 V (1 k) | T | 56.5/62 |
| R2712 | 7030003440 | S.RES ERJ3GEYJ 102 V (1 k) | T | 61.2/56.2 |
| R2713 | 7030003440 | S.RES ERJ3GEYJ 102 V (1 k) | T | 64.2/61 |
| R2714 | 7030003440 | S.RES ERJ3GEYJ 102 V (1 k) | T | 62.5/61.6 |
| R2715 | 7030003230 | S.RES ERJ3GEYJ 180 V (18) | T | 43.1/55.1 |
| R2716 | 7030003370 | S.RES ERJ3GEYJ 271 V (270) | T | 43.1/56.4 |
| R2717 | 7030003400 | S.RES ERJ3GEYJ 471 V (470) | T | 46.3/61.2 |
| R2718 | 7030003400 | S.RES ERJ3GEYJ 471 V (470) | T | 45/61.2 |
| R3001 | 7030003440 | S.RES ERJ3GEYJ 102 V (1 k) | T | 117.4/87 |
| R3002 | 7030003440 | S.RES ERJ3GEYJ 102 V (1 k) | T | 113.5/87 |
| R3003 | 7030003360 | S.RES ERJ3GEYJ 221 V (220) | T | 108.4/82.8 |
| R3004 | 7030003360 | S.RES ERJ3GEYJ 221 V (220) | T | 110.1/82.8 |
| R3005 | 7030003400 | S.RES ERJ3GEYJ 471 V (470) | T | 117.8/84.9 |
| R3006 | 7030003440 | S.RES ERJ3GEYJ 102 V (1 k) | T | 126.8/49.1 |
| R3007 | 7030003440 | S.RES ERJ3GEYJ 102 V (1 k) | T | 112.3/82.8 |
| R3008 | 7030003440 | S.RES ERJ3GEYJ 102 V (1 k) | T | 113.8/83.1 |
| R3009 | 7030003440 | S.RES ERJ3GEYJ 102 V (1 k) | T | 115.1/83 |
| R3010 | 7030003440 | S.RES ERJ3GEYJ 102 V (1 k) | T | 114/103.9 |
| R3011 | 7030003440 | S.RES ERJ3GEYJ 102 V (1 k) | T | 119.3/82.9 |
| R3012 | 7030003440 | S.RES ERJ3GEYJ 102 V (1 k) | T | 33.6/48.2 |
| R3013 | 7030003560 | S.RES ERJ3GEYJ 103 V (10 k) | T | 104.5/87 |
| R3014 | 7030003800 | S.RES ERJ3GEYJ 105 V (1 M) | T | 97.7/74.4 |
| R3015 | 7030003560 | S.RES ERJ3GEYJ 103 V (10 k) | T | 105.8/87 |
| R3016 | 7030003400 | S.RES ERJ3GEYJ 471 V (470) | T | 113.1/85 |
| R3017 | 7030003360 | S.RES ERJ3GEYJ 221 V (220) | T | 97.7/67.6 |
| R3018 | 7030003640 | S.RES ERJ3GEYJ 473 V (47 k) | T | 125.5/49.1 |
| R3019 | 7030003440 | S.RES ERJ3GEYJ 102 V (1 k) | T | 122.6/83 |
| R3020 | 703000 | | | |

[MAIN UNIT]

| REF NO. | ORDER NO. | DESCRIPTION | M. | H/V LOCATION |
|---------|------------|------------------------------|----|--------------|
| R3030 | 7030003600 | S.RES ERJ3GEYJ 223 V (22 k) | T | 134.6/44.1 |
| R3035 | 7030003600 | S.RES ERJ3GEYJ 223 V (22 k) | T | 149.1/45.1 |
| R3036 | 7030003640 | S.RES ERJ3GEYJ 473 V (47 k) | T | 110.9/87 |
| R3050 | 7030005691 | S.RES ERA3YED 123V (12 k) | T | 115.4/89.2 |
| R3051 | 7030009591 | S.RES ERA3YED 472V (4.7 k) | T | 108.7/89.7 |
| R3052 | 7030005871 | S.RES ERA3YKD 104V (100 k) | T | 110.7/89.7 |
| R3101 | 7030010420 | S.RES ERJ1TYJ 1R5U | T | 139.6/32.2 |
| R3201 | 7030003640 | S.RES ERJ3GEYJ 473 V (47 k) | T | 84.9/38 |
| R3202 | 7030005871 | S.RES ERA3YKD 104V (100 k) | T | 91.6/42.1 |
| R3203 | 7030003440 | S.RES ERJ3GEYJ 102 V (1 k) | T | 89/42.1 |
| R3204 | 7030003640 | S.RES ERJ3GEYJ 473 V (47 k) | T | 93.2/43.9 |
| R3301 | 7030003560 | S.RES ERJ3GEYJ 103 V (10 k) | T | 118.8/77.1 |
| R3302 | 7030003560 | S.RES ERJ3GEYJ 103 V (10 k) | T | 119.8/78.4 |
| R3303 | 7030003650 | S.RES ERJ3GEYJ 563 V (56 k) | T | 101.6/68.2 |
| R3304 | 7030003650 | S.RES ERJ3GEYJ 563 V (56 k) | T | 101.6/65.5 |
| R3305 | 7030003560 | S.RES ERJ3GEYJ 103 V (10 k) | T | 107.2/68.1 |
| R3306 | 7030003610 | S.RES ERJ3GEYJ 273 V (27 k) | T | 121.3/83 |
| R3307 | 7030003360 | S.RES ERJ3GEYJ 221 V (220) | T | 124.2/49.1 |
| R3308 | 7030003360 | S.RES ERJ3GEYJ 221 V (220) | T | 97.7/79.6 |
| R3309 | 7030003360 | S.RES ERJ3GEYJ 221 V (220) | T | 97.7/73.1 |
| R3310 | 7030003360 | S.RES ERJ3GEYJ 221 V (220) | T | 97.7/71.8 |
| R3311 | 7030003360 | S.RES ERJ3GEYJ 221 V (220) | T | 97.7/70.5 |
| R3312 | 7030003440 | S.RES ERJ3GEYJ 102 V (1 k) | T | 97.7/69.2 |
| R3313 | 7030005871 | S.RES ERA3YKD 104V (100 k) | T | 121.5/49.1 |
| R3314 | 7030005871 | S.RES ERA3YKD 104V (100 k) | T | 119.4/44.8 |
| R3315 | 7030003560 | S.RES ERJ3GEYJ 103 V (10 k) | T | 109.1/32.8 |
| R3316 | 7030003720 | S.RES ERJ3GEYJ 224 V (220 k) | T | 136.9/83 |
| R3317 | 7030003720 | S.RES ERJ3GEYJ 224 V (220 k) | T | 138.2/83 |
| R3318 | 7030003720 | S.RES ERJ3GEYJ 224 V (220 k) | T | 139.5/83 |
| R3319 | 7030003720 | S.RES ERJ3GEYJ 224 V (220 k) | T | 141.6/81.4 |
| R3320 | 7030003720 | S.RES ERJ3GEYJ 224 V (220 k) | T | 135.6/83 |
| R3321 | 7030003720 | S.RES ERJ3GEYJ 224 V (220 k) | T | 134.3/83 |
| R3322 | 7030003720 | S.RES ERJ3GEYJ 224 V (220 k) | T | 133/83 |
| R3323 | 7030003720 | S.RES ERJ3GEYJ 224 V (220 k) | T | 131.7/83 |
| R3324 | 7030003720 | S.RES ERJ3GEYJ 224 V (220 k) | T | 130.4/83 |
| R3325 | 7030003720 | S.RES ERJ3GEYJ 224 V (220 k) | T | 129.1/83 |
| R3326 | 7030003720 | S.RES ERJ3GEYJ 224 V (220 k) | T | 127.8/83 |
| R3327 | 7030003720 | S.RES ERJ3GEYJ 224 V (220 k) | T | 126.5/83 |
| R3328 | 7030003720 | S.RES ERJ3GEYJ 224 V (220 k) | T | 125.2/83 |
| R3329 | 7030003720 | S.RES ERJ3GEYJ 224 V (220 k) | T | 123.9/83 |
| R3330 | 7030003720 | S.RES ERJ3GEYJ 224 V (220 k) | T | 129.6/49.1 |
| R3331 | 7030003720 | S.RES ERJ3GEYJ 224 V (220 k) | T | 128.3/49.1 |
| R3332 | 7030003640 | S.RES ERJ3GEYJ 473 V (47 k) | T | 110.9/45.8 |
| R3333 | 7030003360 | S.RES ERJ3GEYJ 221 V (220) | T | 109.5/47.5 |
| R3334 | 7030003640 | S.RES ERJ3GEYJ 473 V (47 k) | T | 114.9/46.3 |
| R3335 | 7030003360 | S.RES ERJ3GEYJ 221 V (220) | T | 113/47.6 |
| R3336 | 7030003360 | S.RES ERJ3GEYJ 221 V (220) | T | 115.8/49.1 |
| R3337 | 7030003360 | S.RES ERJ3GEYJ 221 V (220) | T | 117.1/49.1 |
| R3338 | 7030003360 | S.RES ERJ3GEYJ 221 V (220) | T | 142.5/75.2 |
| R3339 | 7030003360 | S.RES ERJ3GEYJ 221 V (220) | T | 142.5/73.9 |
| R3340 | 7030003360 | S.RES ERJ3GEYJ 221 V (220) | T | 122.9/49.1 |
| R3350 | 7030003720 | S.RES ERJ3GEYJ 224 V (220 k) | T | 120/87 |
| R3402 | 7030003560 | S.RES ERJ3GEYJ 103 V (10 k) | T | 138.2/86.5 |
| R3403 | 7030003560 | S.RES ERJ3GEYJ 103 V (10 k) | T | 139.5/86.5 |
| R3405 | 7030003560 | S.RES ERJ3GEYJ 103 V (10 k) | T | 135.6/86.5 |
| R3406 | 7030003560 | S.RES ERJ3GEYJ 103 V (10 k) | T | 134.3/86.5 |
| R3408 | 7030003560 | S.RES ERJ3GEYJ 103 V (10 k) | T | 131.7/86.5 |
| R3411 | 7030003560 | S.RES ERJ3GEYJ 103 V (10 k) | T | 127.8/86.5 |
| R3412 | 7030003560 | S.RES ERJ3GEYJ 103 V (10 k) | T | 126.5/86.5 |
| R3413 | 7030003560 | S.RES ERJ3GEYJ 103 V (10 k) | T | 125.2/86.5 |
| R3601 | 7030003640 | S.RES ERJ3GEYJ 473 V (47 k) | T | 71.6/31.4 |
| R3602 | 7030003640 | S.RES ERJ3GEYJ 473 V (47 k) | T | 76.4/23.7 |
| R3603 | 7030003640 | S.RES ERJ3GEYJ 473 V (47 k) | T | 81.8/23.7 |
| R3604 | 7030003640 | S.RES ERJ3GEYJ 473 V (47 k) | T | 77.7/23.7 |
| R3605 | 7030003640 | S.RES ERJ3GEYJ 473 V (47 k) | T | 72.8/23.7 |
| R3606 | 7030003640 | S.RES ERJ3GEYJ 473 V (47 k) | T | 74.1/23.7 |
| R3608 | 7030003640 | S.RES ERJ3GEYJ 473 V (47 k) | T | 86.2/57.1 |
| R3609 | 7030003640 | S.RES ERJ3GEYJ 473 V (47 k) | T | 87.3/53.8 |
| R3610 | 7030003640 | S.RES ERJ3GEYJ 473 V (47 k) | T | 86/53.8 |
| R3611 | 7030003640 | S.RES ERJ3GEYJ 473 V (47 k) | T | 84.7/53.8 |
| R3612 | 7030003640 | S.RES ERJ3GEYJ 473 V (47 k) | T | 83.4/53.8 |
| R3613 | 7030003640 | S.RES ERJ3GEYJ 473 V (47 k) | T | 142.5/57 |
| R3614 | 7030003360 | S.RES ERJ3GEYJ 221 V (220) | T | 142.5/71.3 |
| R3615 | 7030003360 | S.RES ERJ3GEYJ 221 V (220) | T | 142.5/68.7 |
| R3616 | 7030003360 | S.RES ERJ3GEYJ 221 V (220) | T | 142.5/76.5 |
| R3617 | 7030003360 | S.RES ERJ3GEYJ 221 V (220) | T | 142.5/70 |
| R3618 | 7030003360 | S.RES ERJ3GEYJ 221 V (220) | T | 142.5/50.5 |
| R3619 | 7030003360 | S.RES ERJ3GEYJ 221 V (220) | T | 142.5/60.9 |
| R3620 | 7030003360 | S.RES ERJ3GEYJ 221 V (220) | T | 142.5/64.8 |
| R3621 | 7030003360 | S.RES ERJ3GEYJ 221 V (220) | T | 142.5/63.5 |
| R3622 | 7030003360 | S.RES ERJ3GEYJ 221 V (220) | T | 142.5/62.2 |
| R3623 | 7030003360 | S.RES ERJ3GEYJ 221 V (220) | T | 142.5/54.4 |
| R3624 | 7030003360 | S.RES ERJ3GEYJ 221 V (220) | T | 142.5/53.1 |
| R3625 | 7030003640 | S.RES ERJ3GEYJ 473 V (47 k) | T | 142.5/72.6 |
| R3626 | 7030003640 | S.RES ERJ3GEYJ 473 V (47 k) | T | 142.5/66.1 |
| R3627 | 7030003640 | S.RES ERJ3GEYJ 473 V (47 k) | T | 142.5/67.4 |
| R3628 | 7030003640 | S.RES ERJ3GEYJ 473 V (47 k) | T | 142.5/59.6 |
| R3629 | 7030003640 | S.RES ERJ3GEYJ 473 V (47 k) | T | 142.5/58.3 |
| R3630 | 7030003640 | S.RES ERJ3GEYJ 473 V (47 k) | T | 142.5/51.8 |
| R3801 | 7030009591 | S.RES ERA3YED 472V (4.7 k) | T | 137.2/48 |
| R3802 | 7030003640 | S.RES ERJ3GEYJ 473 V (47 k) | T | 131/52.9 |
| R3803 | 7030003560 | S.RES ERJ3GEYJ 103 V (10 k) | T | 131/55.5 |

[MAIN UNIT]

| REF NO. | ORDER NO. | DESCRIPTION | M. | H/V LOCATION |
|---------|------------|-----------------------------|----|--------------|
| R3903 | 7030003640 | S.RES ERJ3GEYJ 473 V (47 k) | T | 118.4/48.9 |
| R3906 | 7030003640 | S.RES ERJ3GEYJ 473 V (47 k) | T | 111.7/32.8 |
| R3910 | 7030003640 | S.RES ERJ3GEYJ 473 V (47 k) | T | 226.2/12.6 |
| R3915 | 7030003360 | S.RES ERJ3GEYJ 221 V (220) | T | 110.4/32.8 |
| R3916 | 7030003360 | S.RES ERJ3GEYJ 221 V (220) | T | 113/32.8 |
| R3917 | 7030003360 | S.RES ERJ3GEYJ 221 V (220) | T | 107.8/32.8 |
| R3918 | 7030003360 | S.RES ERJ3GEYJ 221 V (220) | T | 114.3/32.8 |
| R3919 | 7030003360 | S.RES ERJ3GEYJ 221 V (220) | T | 115.8/32.8 |
| R3920 | 7030003360 | S.RES ERJ3GEYJ 221 V (220) | T | 117.1/32.8 |
| R3921 | 7030003360 | S.RES ERJ3GEYJ 221 V (220) | T | 107.4/52.7 |
| R9005 | 7030003410 | S.RES ERJ3GEYJ 561 V (560) | T | 98.5/19.1 |
| R9051 | 7030003400 | S.RES ERJ3GEYJ 471 V (470) | T | 183.8/23.5 |
| R9054 | 7030003640 | S.RES ERJ3GEYJ 473 V (47 k) | T | 166.7/8.5 |
| R9055 | 7030005871 | S.RES ERA3YKD 104V (100 k) | T | 204.3/11.2 |
| R9056 | 7030009620 | S.RES ERJ12YJ120U (12) | T | 205.5/13.8 |
| R9057 | 7030003640 | S.RES ERJ3GEYJ 473 V (47 k) | T | 161.9/9.2 |
| R9058 | 7030003560 | S.RES ERJ3GEYJ 103 V (10 k) | T | 166.7/5.9 |
| R9059 | 7030009591 | S.RES ERA3YED 472V (4.7 k) | T | 179.1/17.2 |
| R9060 | 7030009591 | S.RES ERA3YED 472V (4.7 k) | T | 205.6/18.3 |
| R9061 | 7030003640 | S.RES ERJ3GEYJ 473 V (47 k) | T | 174.4/20.1 |
| R9062 | 7030003640 | S.RES ERJ3GEYJ 473 V (47 k) | T | 171.8/20.1 |
| R9063 | 7030003640 | S.RES ERJ3GEYJ 473 V (47 k) | T | 161.9/6.6 |
| R9064 | 7030003640 | S.RES ERJ3GEYJ 473 V (47 k) | T | 212.4/22.1 |
| R9066 | 7030003860 | S.RES ERJ3GE JPW V | T | 183.4/12.6 |
| R9067 | 7030003860 | S.RES ERJ3GE JPW V | T | 180.8/15.3 |
| R9070 | 7030003860 | S.RES ERJ3GE JPW V | T | 180.8/12.6 |
| R9071 | 7030003860 | S.RES ERJ3GE JPW V | T | 178.8/12.6 |
| R9101 | 7030003400 | S.RES ERJ3GEYJ 471 V (470) | T | 30.4/19 |
| R9102 | 7030009591 | S.RES ERA3YED 472V (4.7 k) | T | 40.7/18.4 |
| R9103 | 7030003640 | S.RES ERJ3GEYJ 473 V (47 k) | T | 47.5/16.8 |
| R9104 | 7030003640 | S.RES ERJ3GEYJ 473 V (47 k) | T | 41.5/13.1 |
| R9153 | 7030003440 | S.RES ERJ3GEYJ 102 V (1 k) | T | 222.2/12.6 |
| R9154 | 7030003440 | S.RES ERJ3GEYJ 102 V (1 k) | T | 249.4/12.5 |
| R9159 | 7030003440 | S.RES ERJ3GEYJ 102 V (1 k) | T | 227.7/12.6 |
| R9161 | 7030003640 | S.RES ERJ3GEYJ 473 V (47 k) | T | 220.7/12.6 |
| R9162 | 7030003640 | S.RES ERJ3GEYJ 473 V (47 k) | T | 249.4/13.8 |
| R9163 | 7030003640 | S.RES ERJ3GEYJ 473 V (47 k) | T | 229.2/12.6 |
| R9164 | 7030003360 | S.RES ERJ3GEYJ 221 V (220) | T | 233.3/11.9 |
| R9165 | 7030005871 | S.RES ERA3YKD 104V (100 k) | T | 244.6/12.7 |
| R9166 | 7030005871 | S.RES ERA3YKD 104V (100 k) | T | 243.3/12.7 |
| R9167 | 7030005871 | S.RES ERA3YKD 104V (100 k) | T | 245.9/12.7 |
| R9168 | 7030005871 | S.RES ERA3YKD 104V (100 k) | T | 247.2/12.7 |
| R9169 | 7030005871 | S.RES ERA3YKD 104V (100 k) | T | 247.2/17.2 |
| R9170 | 7030005871 | S.RES ERA3YKD 104V (100 k) | T | 245.9/17.2 |
| R9171 | 7030005871 | S.RES ERA3YKD 104V (100 k) | T | 243.3/17.2 |
| R9172 | 7030005871 | S.RES ERA3YKD 104V (100 k) | T | 244.6/17.2 |
| C1 | 4030007110 | S.CER C1608 CH 1H 680J-T | T | 204.3/130.1 |
| C2 | 4030007120 | S.CER C1608 CH 1H 820J-T | T | 200.5/130.1 |
| C3 | 4030007150 | S.CER C1608 CH 1H 151J-T | T | 200.5/132.9 |
| C4 | 4030007050 | S.CER C1608 CH 1H 220J-T | T | 198.6/132.7 |
| C5 | 4030007120 | S.CER C1608 CH 1H 820J-T | T | 198.6/134 |
| C6 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 191.7/131.1 |
| C7 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 196.5/133.7 |
| C8 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 191.7/129.8 |
| C9 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 188.5/130.7 |
| C10 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 186.6/133.8 |
| C11 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 184/133.8 |
| C54 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 171.5/129.5 |
| C56 | 4030006870 | S.CER C1608 JB 1H 222K-T | T | 174.2/129.5 |
| C57 | 4030006900 | S.CER C1608 JB 1H 103K-T | T | 175.1/131.4 |
| C59 | 4030010020 | S.CER C1608 JB 1H 122K-T | T | 176.9/129.5 |
| C61 | 4030008860 | S.CER C1608 JB 1H 153K-T | T | 176.4/131.4 |
| C62 | 4030006870 | S.CER C1608 JB 1H 222K-T | T | 179.7/130.8 |
| C63 | 4030008860 | S.CER C1608 JB 1H 153K-T | T | 177.7/131.4 |
| C64 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 166.5/124.6 |
| C65 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 183.3/127.8 |
| C66 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 168.4/127.9 |
| C67 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 167.1/127.9 |
| C68 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 163.9/126.4 |
| C101 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 163.6/121.8 |
| C102 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 171.1/123.1 |
| C103 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 178/123.1 |
| C104 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 185/123.1 |
| C105 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 191.8/123.2 |
| C106 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 198.5/123.3 |
| C107 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 205.5/123.3 |
| C108 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 211.7/124.4 |
| C109 | 4030006870 | S.CER C1608 JB 1H 222K-T | T | 158.5/116.6 |
| C110 | 4030009980 | S.CER C1608 JB 1H 152K-T | T | 163.7/119.7 |
| C111 | 4030010040 | S.CER C1608 JB 1H 561K-T | T | 172.2/118.8 |
| C112 | 4030010040 | S.CER C1608 JB 1H 561K-T | T | 179.4/120.1 |
| C113 | 4030006850 | S.CER C1608 JB 1H 471K-T | T | 186.1/120 |
| C114 | 4030011330 | S.CER C1608 CH 1H 391J-T | T | 192.9/120.1 |
| C115 | | | | |

[MAIN UNIT]

| REF NO. | ORDER NO. | DESCRIPTION | M. | H/V LOCATION |
|---------|------------|--------------------------|----|--------------|
| C122 | 4030007100 | S.CER C1608 CH 1H 560J-T | T | 186.1/118.7 |
| C123 | 4030007080 | S.CER C1608 CH 1H 390J-T | T | 192.9/118.8 |
| C124 | 4030007090 | S.CER C1608 CH 1H 470J-T | T | 199.6/118.8 |
| C125 | 4030007050 | S.CER C1608 CH 1H 220J-T | T | 207.1/120.1 |
| C126 | 4030007040 | S.CER C1608 CH 1H 180J-T | T | 213.3/119.5 |
| C127 | 4030008920 | S.CER C1608 JB 1H 473K-T | T | 162/112.5 |
| C128 | 4030009970 | S.CER C1608 JB 1H 182K-T | T | 158.5/112.7 |
| C129 | 4030009980 | S.CER C1608 JB 1H 152K-T | T | 169/114.3 |
| C130 | 4030009980 | S.CER C1608 JB 1H 152K-T | T | 164.6/117.5 |
| C131 | 4030009980 | S.CER C1608 JB 1H 152K-T | T | 171.8/115.4 |
| C132 | 4030007140 | S.CER C1608 CH 1H 121J-T | T | 174.1/114.8 |
| C133 | 4030010040 | S.CER C1608 JB 1H 561K-T | T | 171.1/117.4 |
| C134 | 4030006850 | S.CER C1608 JB 1H 471K-T | T | 178.3/117.4 |
| C135 | 4030010760 | S.CER C1608 CH 1H 331J-T | T | 185/117.7 |
| C136 | 4030011280 | S.CER C1608 CH 1H 271J-T | T | 192.8/114.4 |
| C137 | 4030007150 | S.CER C1608 CH 1H 151J-T | T | 191.8/115.7 |
| C138 | 4030011280 | S.CER C1608 CH 1H 271J-T | T | 199.1/115.5 |
| C139 | 4030007170 | S.CER C1608 CH 1H 221J-T | T | 198.4/117.4 |
| C140 | 4030007160 | S.CER C1608 CH 1H 181J-T | T | 205.7/116.4 |
| C141 | 4030007160 | S.CER C1608 CH 1H 181J-T | T | 205/118.3 |
| C142 | 4030007150 | S.CER C1608 CH 1H 151J-T | T | 212.8/115.5 |
| C143 | 4030007130 | S.CER C1608 CH 1H 101J-T | T | 212.1/117.4 |
| C144 | 4030007140 | S.CER C1608 CH 1H 121J-T | T | 181.4/114.8 |
| C145 | 4030010040 | S.CER C1608 JB 1H 561K-T | T | 179/115.5 |
| C146 | 4030006850 | S.CER C1608 JB 1H 471K-T | T | 185.7/115.2 |
| C147 | 4030008850 | S.CER C1608 JB 1H 123K-T | T | 164.5/116.1 |
| C148 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 171.1/113 |
| C149 | 4030009970 | S.CER C1608 JB 1H 182K-T | T | 178.4/112.9 |
| C150 | 4030006870 | S.CER C1608 JB 1H 222K-T | T | 186.1/113.3 |
| C151 | 4030006870 | S.CER C1608 JB 1H 222K-T | T | 192.7/113.1 |
| C152 | 4030009980 | S.CER C1608 JB 1H 152K-T | T | 199.5/113.6 |
| C153 | 4030009980 | S.CER C1608 JB 1H 152K-T | T | 205.5/114.4 |
| C154 | 4030006860 | S.CER C1608 JB 1H 102K-T | T | 213.3/113.5 |
| C155 | 4030009980 | S.CER C1608 JB 1H 152K-T | T | 168.4/111.7 |
| C156 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 163.8/113.9 |
| C157 | 4030006870 | S.CER C1608 JB 1H 222K-T | T | 171.1/111.7 |
| C158 | 4030009980 | S.CER C1608 JB 1H 152K-T | T | 178.1/111 |
| C159 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 186.1/112 |
| C160 | 4030007170 | S.CER C1608 CH 1H 221J-T | T | 196.5/110.7 |
| C161 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 191.9/110.8 |
| C162 | 4030007160 | S.CER C1608 CH 1H 181J-T | T | 202.7/110.3 |
| C163 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 199.5/112.2 |
| C164 | 4030007150 | S.CER C1608 CH 1H 151J-T | T | 210.6/112.6 |
| C165 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 205.5/113 |
| C166 | 4030007130 | S.CER C1608 CH 1H 101J-T | T | 217.2/109.9 |
| C167 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 213.3/112.1 |
| C168 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 158.9/121.1 |
| C169 | 4030006860 | S.CER C1608 JB 1H 102K-T | T | 175.5/112.5 |
| C170 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 171.1/109.9 |
| C171 | 4030006850 | S.CER C1608 JB 1H 471K-T | T | 182.4/112.9 |
| C172 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 178.1/109.7 |
| C173 | 4030010760 | S.CER C1608 CH 1H 331J-T | T | 189.1/110.3 |
| C174 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 184.3/110.1 |
| C175 | 4030007040 | S.CER C1608 CH 1H 180J-T | T | 199.7/121.4 |
| C176 | 4030010020 | S.CER C1608 JB 1H 122K-T | T | 167.7/114.3 |
| C177 | 4030007130 | S.CER C1608 CH 1H 101J-T | T | 205.2/120.9 |
| C178 | 4030007130 | S.CER C1608 CH 1H 101J-T | T | 165/119.7 |
| C179 | 4030007150 | S.CER C1608 CH 1H 151J-T | T | 191.8/117 |
| C201 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 190.2/104.7 |
| C202 | 4030007120 | S.CER C1608 CH 1H 820J-T | T | 192.7/97.9 |
| C203 | 4030007050 | S.CER C1608 CH 1H 220J-T | T | 190/97.9 |
| C204 | 4030007150 | S.CER C1608 CH 1H 151J-T | T | 189.2/96 |
| C205 | 4030009910 | S.CER C1608 CH 1H 040B-T | T | 183.5/101.9 |
| C206 | 4030007130 | S.CER C1608 CH 1H 101J-T | T | 188/101.8 |
| C207 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 182/96.5 |
| C208 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 216/59.1 |
| C209 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 185.5/86.5 |
| C210 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 178.4/86.4 |
| C211 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 216.1/51.2 |
| C212 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 186.1/72.1 |
| C213 | 4030009910 | S.CER C1608 CH 1H 040B-T | T | 180/74.9 |
| C214 | 4030006860 | S.CER C1608 JB 1H 102K-T | T | 191.1/77.3 |
| C215 | 4030006970 | S.CER C1608 CH 1H 060D-T | T | 170.3/64.3 |
| C217 | 4030006960 | S.CER C1608 CH 1H 050C-T | T | 188.6/54.9 |
| C218 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 184.4/49.1 |
| C219 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 192.7/51.4 |
| C220 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 191.2/51.5 |
| C221 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 192.4/57.9 |
| C223 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 202.5/49.3 |
| C224 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 186.3/47.7 |
| C225 | 4030006970 | S.CER C1608 CH 1H 060D-T | T | 170.3/63 |
| C226 | 4030009910 | S.CER C1608 CH 1H 040B-T | T | 182.2/101.9 |
| C227 | 4030006960 | S.CER C1608 CH 1H 050C-T | T | 180/77.5 |
| C301 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 206.1/50.8 |
| C302 | 4030006970 | S.CER C1608 CH 1H 060D-T | T | 211.3/43.9 |
| C303 | 4030006960 | S.CER C1608 CH 1H 050C-T | T | 200/43.2 |
| C305 | 4030006850 | S.CER C1608 JB 1H 471K-T | T | 160/54.7 |
| C307 | 4030011280 | S.CER C1608 CH 1H 271J-T | T | 158.7/63.6 |
| C308 | 4030009580 | S.CER C1608 JB 1H 681K-T | T | 161.5/64.9 |
| C309 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 159.3/65.6 |
| C310 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 163.7/68.4 |
| C311 | 4030009970 | S.CER C1608 JB 1H 182K-T | T | 158.2/71.7 |

[MAIN UNIT]

| REF NO. | ORDER NO. | DESCRIPTION | M. | H/V LOCATION |
|---------|------------|--------------------------|----|--------------|
| C312 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 209.2/59.2 |
| C314 | 4030006860 | S.CER C1608 JB 1H 102K-T | T | 164.8/54.6 |
| C315 | 4030006870 | S.CER C1608 JB 1H 222K-T | T | 159.5/71.7 |
| C401 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 164.6/75.5 |
| C402 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 141/98.7 |
| C403 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 140.3/103.4 |
| C404 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 138.7/105.2 |
| C405 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 136.3/104.7 |
| C406 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 136/99.9 |
| C407 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 119/90.7 |
| C408 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 133.7/106 |
| C409 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 121.4/100.3 |
| C410 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 104.9/99.8 |
| C411 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 132.9/101.3 |
| C412 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 109.7/99.5 |
| C413 | 4030007140 | S.CER C1608 CH 1H 121J-T | T | 116.4/90.7 |
| C414 | 4030007160 | S.CER C1608 CH 1H 181J-T | T | 107.8/100.1 |
| C501 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 84.2/99.7 |
| C502 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 93.1/99.7 |
| C503 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 85.6/99.7 |
| C504 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 86.9/99.7 |
| C505 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 89/100.3 |
| C506 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 95.2/98.2 |
| C507 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 84/94.6 |
| C508 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 92.8/93.3 |
| C509 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 91/70.5 |
| C510 | 4510009330 | S.ELE EEEHA1E470WP | T | 79.7/96.9 |
| C511 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 91/71.8 |
| C512 | 4510009330 | S.ELE EEEHA1E470WP | T | 68.7/87.8 |
| C516 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 91.2/90.1 |
| C517 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 94.2/85.1 |
| C518 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 94.2/80.4 |
| C519 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 91/80.4 |
| C520 | 4510008970 | S.ELE EEEHB1C100R | T | 90.7/77.3 |
| C521 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 88.1/81.1 |
| C601 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 198.8/85.1 |
| C602 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 200.7/81.3 |
| C603 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 193.7/78.7 |
| C604 | 4030006860 | S.CER C1608 JB 1H 102K-T | T | 204.4/75.1 |
| C605 | 4030010760 | S.CER C1608 CH 1H 331J-T | T | 196.9/75.3 |
| C606 | 4030007010 | S.CER C1608 CH 1H 100D-T | T | 202.5/74.3 |
| C607 | 4030009510 | S.CER C1608 CH 1H 010B-T | T | 202.3/71.8 |
| C608 | 4030007010 | S.CER C1608 CH 1H 100D-T | T | 197.8/72.2 |
| C609 | 4030006970 | S.CER C1608 CH 1H 060D-T | T | 195.9/71.7 |
| C610 | 4030009510 | S.CER C1608 CH 1H 010B-T | T | 195.7/73 |
| C611 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 191.2/69.3 |
| C612 | 4030007060 | S.CER C1608 CH 1H 270J-T | T | 205.2/78.2 |
| C701 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 199.7/95.4 |
| C702 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 204.9/104.1 |
| C703 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 201/96.7 |
| C705 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 215.2/97.5 |
| C706 | 4030007060 | S.CER C1608 CH 1H 270J-T | T | 208.6/97.5 |
| C707 | 4030006970 | S.CER C1608 CH 1H 060D-T | T | 210.4/99.5 |
| C709 | 4030007040 | S.CER C1608 CH 1H 390J-T | T | 211.2/97.5 |
| C710 | 4030007040 | S.CER C1608 CH 1H 180J-T | T | 215.5/100.6 |
| C711 | 4030007050 | S.CER C1608 CH 1H 220J-T | T | 213.3/97.5 |
| C712 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 206.5/81 |
| C714 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 199.6/67.6 |
| C715 | 4030006960 | S.CER C1608 CH 1H 050C-T | T | 210.2/73.7 |
| C716 | 4030006860 | S.CER C1608 JB 1H 102K-T | T | 198.3/67.1 |
| C717 | 4030006860 | S.CER C1608 JB 1H 102K-T | T | 207.6/59.2 |
| C718 | 4030006860 | S.CER C1608 JB 1H 102K-T | T | 194.2/66.6 |
| C720 | 4030007080 | S.CER C1608 CH 1H 390J-T | T | 209.6/55.8 |
| C721 | 4030006970 | S.CER C1608 CH 1H 060D-T | T | 209.9/97.5 |
| C801 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 136.3/95.6 |
| C802 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 138.3/98.8 |
| C804 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 132.7/90.3 |
| C805 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 130.6/93 |
| C806 | 4510009330 | S.ELE EEEHA1E470WP | T | 154.6/100 |
| C901 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 80.5/77.3 |
| C902 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 85.5/75.4 |
| C903 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 79.7/99.9 |
| C904 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 85.4/80 |
| C905 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 75.8/83 |
| C906 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 77.9/78.2 |
| C907 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 77.1/79.9 |
| C908 | 4510008970 | S.ELE EEEHB1C100R | T | 78.3/88.2 |
| C909 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 74.5/83 |
| C910 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 82.6/87.6 |
| C1001 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 74.4/54.2 |
| C1002 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 76.2/58.3 |
| C1003 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 81.7/57.3 |

[MAIN UNIT]

| REF NO. | ORDER NO. | DESCRIPTION | M. | H/V LOCATION |
|---------|------------|--------------------------|----|--------------|
| C1054 | 4030006900 | S.CER C1608 JB 1H 103K-T | T | 78.7/48.9 |
| C1055 | 4030006860 | S.CER C1608 JB 1H 102K-T | T | 77.4/49 |
| C1056 | 4030008880 | S.CER C1608 JB 1H 223K-T | T | 74.8/50 |
| C1057 | 4030008880 | S.CER C1608 JB 1H 223K-T | T | 73.5/50 |
| C1058 | 4030008880 | S.CER C1608 JB 1H 223K-T | T | 80.3/48.1 |
| C1059 | 4030006900 | S.CER C1608 JB 1H 103K-T | T | 78.9/45.9 |
| C1061 | 4030006860 | S.CER C1608 JB 1H 102K-T | T | 76/40 |
| C1062 | 4030008880 | S.CER C1608 JB 1H 223K-T | T | 72.1/40 |
| C1063 | 4030008880 | S.CER C1608 JB 1H 223K-T | T | 73.4/40 |
| C1064 | 4030008880 | S.CER C1608 JB 1H 223K-T | T | 70.7/44.1 |
| C1101 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 41.9/88.6 |
| C1102 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 48.1/80 |
| C1201 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 128.1/112.9 |
| C1202 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 119.2/121.7 |
| C1203 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 114.4/109.1 |
| C1205 | 4510008970 | S.ELE EEEHB1C100R | T | 132.4/111 |
| C1206 | 4030006860 | S.CER C1608 JB 1H 102K-T | T | 133.7/114.9 |
| C1208 | 4030008680 | S.CER C2012 JF 1C 105Z-T | T | 133.2/120.3 |
| C1209 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 142.7/123 |
| C1210 | 4030008680 | S.CER C2012 JF 1C 105Z-T | T | 129.7/120.3 |
| C1211 | 4030008680 | S.CER C2012 JF 1C 105Z-T | T | 131.5/120.3 |
| C1212 | 4030008680 | S.CER C2012 JF 1C 105Z-T | T | 136/115.2 |
| C1213 | 4030008680 | S.CER C2012 JF 1C 105Z-T | T | 136.3/113.4 |
| C1214 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 119.7/110.4 |
| C1221 | 4030007130 | S.CER C1608 CH 1H 101J-T | T | 115.3/120.4 |
| C1301 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 94.6/133.8 |
| C1302 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 95.9/133.8 |
| C1303 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 97.2/133.8 |
| C1304 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 98.5/133.8 |
| C1305 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 99.8/133.8 |
| C1306 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 101.1/133.8 |
| C1307 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 102.4/133.8 |
| C1308 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 103.7/133.8 |
| C1309 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 105.6/123.2 |
| C1310 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 174.3/94.7 |
| C1311 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 63.6/115.1 |
| C1312 | 4510009330 | S.ELE EEEHA1E470WP | T | 176.3/102.5 |
| C1313 | 4510009310 | S.ELE EEEHB1E4R7R | T | 77.3/110.8 |
| C1314 | 4510009330 | S.ELE EEEHA1E470WP | T | 59.5/98.9 |
| C1315 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 159.3/104.1 |
| C1451 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 23.8/28.4 |
| C1501 | 4510009330 | S.ELE EEEHA1E470WP | T | 15.4/69.2 |
| C1502 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 11.5/73.5 |
| C1503 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 12.4/77.4 |
| C1504 | 4510008970 | S.ELE EEEHB1C100R | T | 4.4/85 |
| C1505 | 4510008970 | S.ELE EEEHB1C100R | T | 146.4/119.5 |
| C1506 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 147.5/115.8 |
| C1507 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 156.5/114.4 |
| C1508 | 4510009330 | S.ELE EEEHA1E470WP | T | 154.4/108.3 |
| C1509 | 4030008680 | S.CER C2012 JF 1C 105Z-T | T | 87.4/116.6 |
| C1510 | 4030008680 | S.CER C2012 JF 1C 105Z-T | T | 86.2/125 |
| C1551 | 4030008680 | S.CER C2012 JF 1C 105Z-T | T | 76.6/132.7 |
| C1552 | 4510009330 | S.ELE EEEHA1E470WP | T | 75.2/121.2 |
| C1555 | 4510009330 | S.ELE EEEHA1E470WP | T | 67.5/122.5 |
| C1557 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 51.9/132.4 |
| C1558 | 4510008970 | S.ELE EEEHB1C100R | T | 55.8/122.4 |
| C1559 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 56.7/126 |
| C1560 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 64.7/127 |
| C1561 | 4030007170 | S.CER C1608 CH 1H 221J-T | T | 62.6/129 |
| C1562 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 59.3/119 |
| C1563 | 4030007170 | S.CER C1608 CH 1H 221J-T | T | 63.9/129 |
| C1601 | 4510006640 | ELE 16 ME 1000 CZ | T | |
| C1602 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 5.7/42.9 |
| C1603 | 4510009350 | S.ELE EEEHA1C471P | T | 12.7/38.4 |
| C1604 | 4510009350 | S.ELE EEEHA1C471P | T | 5.6/67.4 |
| C1605 | 4510009350 | S.ELE EEEHA1C471P | T | 16.4/60.1 |
| C1606 | 4030006900 | S.CER C1608 JB 1H 103K-T | T | 2.9/30.8 |
| C1607 | 4510008970 | S.ELE EEEHB1C100R | T | 4.8/20.9 |
| C1608 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 13/16.3 |
| C1609 | 4030008680 | S.CER C2012 JF 1C 105Z-T | T | 18.2/17.7 |
| C1610 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 15.3/21.1 |
| C1611 | 4030008680 | S.CER C2012 JF 1C 105Z-T | T | 43.2/22.6 |
| C1612 | 4510009310 | S.ELE EEEHB1E4R7R | T | 38/32.2 |
| C1613 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 39.7/28.4 |
| C1614 | 4510009350 | S.ELE EEEHA1C471P | T | 12.7/49.3 |
| C1615 | 4510008970 | S.ELE EEEHB1C100R | T | 22.1/40.8 |
| C1616 | 4510008970 | S.ELE EEEHB1C100R | T | 22.1/36 |
| C1617 | 4510008970 | S.ELE EEEHB1C100R | T | 23.6/46.2 |
| C1618 | 4030008680 | S.CER C2012 JF 1C 105Z-T | T | 31.1/49.8 |
| C1619 | 4030008920 | S.CER C1608 JB 1H 473K-T | T | 2.9/28 |
| C1621 | 4510009310 | S.ELE EEEHB1E4R7R | T | 38/39.8 |
| C1622 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 39.8/36 |
| C1623 | 4030008680 | S.CER C2012 JF 1C 105Z-T | T | 31.3/43.3 |
| C1624 | 4030008680 | S.CER C2012 JF 1C 105Z-T | T | 28.6/44.6 |
| C1625 | 4030008680 | S.CER C2012 JF 1C 105Z-T | T | 26.9/44.6 |
| C1702 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 28/58.2 |
| C1703 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 23.2/57.9 |
| C1705 | 4030008680 | S.CER C2012 JF 1C 105Z-T | T | 34.3/54.3 |
| C1706 | 4510009310 | S.ELE EEEHB1E4R7R | T | 41.3/52.1 |
| C1707 | 4030008850 | S.CER C1608 JB 1H 123K-T | T | 49/50.6 |
| C1709 | 4030014300 | S.CER C1608 JB 1E 563K-T | T | 45.9/50.6 |
| C1710 | 4030014300 | S.CER C1608 JB 1E 563K-T | T | 45.9/51.9 |

[MAIN UNIT]

| REF NO. | ORDER NO. | DESCRIPTION | M. | H/V LOCATION |
|---------|------------|--------------------------|----|--------------|
| C1711 | 4030014300 | S.CER C1608 JB 1E 563K-T | T | 42.3/41.6 |
| C1713 | 4510008970 | S.ELE EEEHB1C100R | T | 38/44.6 |
| C1714 | 4510008970 | S.ELE EEEHB1C100R | T | 52.3/46.8 |
| C1715 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 47.8/41.3 |
| C1716 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 74.5/68.1 |
| C1717 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 77.3/62.2 |
| C1718 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 58.1/67.1 |
| C1719 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 61.9/69.7 |
| C1720 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 64.2/68.8 |
| C1721 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 28.8/60.9 |
| C1801 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 134/42.8 |
| C1802 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 143.8/39.1 |
| C1803 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 158.1/22.8 |
| C1804 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 144.3/41.7 |
| C1805 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 147.1/43.5 |
| C1901 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 146.9/124 |
| C1902 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 143.5/125 |
| C1903 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 127.5/122.4 |
| C1904 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 136/125.9 |
| C1905 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 132.9/127.9 |
| C1906 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 122.6/124.5 |
| C1907 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 137.6/128.5 |
| C1908 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 140.8/125 |
| C1909 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 109.9/109.5 |
| C1910 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 119.8/132.9 |
| C1911 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 138.9/128.5 |
| C1912 | 4510009350 | S.ELE EEEHA1C471P | T | 156.7/128.2 |
| C1913 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 126/122.7 |
| C2001 | 4030005090 | S.CER C2012 JB 1H 223K-T | T | 65.9/43.9 |
| C2002 | 4510009310 | S.ELE EEEHB1E4R7R | T | 65.9/38.4 |
| C2003 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 56.9/34.8 |
| C2005 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 59/41.8 |
| C2006 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 56.4/43.1 |
| C2007 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 61.6/41.8 |
| C2008 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 56.4/41.8 |
| C2009 | 4030006900 | S.CER C1608 JB 1H 103K-T | T | 65.9/43.9 |
| C2051 | 4510006640 | ELE 16 ME 1000 CZ | T | |
| C2052 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 62.4/26.5 |
| C2053 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 59.8/26.5 |
| C2054 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 57.2/25.2 |
| C2055 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 54.6/27.8 |
| C2056 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 57.2/26.5 |
| C2057 | 4510006640 | ELE 16 ME 1000 CZ | T | |
| C2101 | 4030007010 | S.CER C1608 CH 1H 100D-T | T | 27.9/126.5 |
| C2102 | 4030007030 | S.CER C1608 CH 1H 150J-T | T | 33.6/128.1 |
| C2103 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 30.8/133.6 |
| C2104 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 30.9/126.4 |
| C2105 | 4030008920 | S.CER C1608 JB 1H 473K-T | T | 39.3/128.1 |
| C2106 | 4030008680 | S.CER C2012 JF 1C 105Z-T | T | 43.8/130.2 |
| C2107 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 31.2/128.7 |
| C2201 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 42.5/122.9 |
| C2202 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 31.1/121.4 |
| C2203 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 10.3/123.2 |
| C2204 | 4030006860 | S.CER C1608 JB 1H 102K-T | T | 38.9/120.8 |
| C2205 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 26.1/120.8 |
| C2206 | 4030007090 | S.CER C1608 CH 1H 470J-T | T | 2.3/120.8 |
| C2207 | 4030006850 | S.CER C1608 JB 1H 471K-T | T | 43/118.7 |
| C2208 | 4030009980 | S.CER C1608 JB 1H 152K-T | T | 31.4/118.2 |
| C2209 | 4030010040 | S.CER C1608 JB 1H 561K-T | T | 10.2/117.4 |
| C2210 | 4030007170 | S.CER C1608 CH 1H 221J-T | T | 41/118 |
| C2211 | 4030007170 | S.CER C1608 CH 1H 221J-T | T | 29.4/116.9 |
| C2212 | 4030007150 | S.CER C1608 CH 1H 151J-T | T | 8.3/116.3 |
| C2213 | 4030010020 | S.CER C1608 JB 1H 122K-T | T | 36/115 |
| C2214 | 4030007170 | S.CER C1608 CH 1H 221J-T | T | 25/114.8 |
| C2215 | 4030007090 | S.CER C1608 CH 1H 470J-T | T | 2/111.3 |
| C2216 | 4030006860 | S.CER C1608 JB 1H 102K-T | T | 44.1/115.2 |
| C2217 | 4030006870 | S.CER C1608 JB 1H 222K-T | T | 31.4/116.9 |
| C2218 | 4030009580 | S.CER C1608 JB 1H 681K-T | T | 10.2/116.1 |
| C2219 | 4030007130 | S.CER C1608 CH 1H 101J-T | T | 38.1/112.2 |
| C2220 | 4030007160 | S.CER C1608 CH 1H 181J-T | T | 27.3/111.2 |
| C2221 | 4030007110 | S.CER C1608 CH 1H 680J-T | T | 5.9/109.1 |
| C2222 | 4030010020 | S.CER C1608 JB 1H 122K-T | T | 39.6/112.2 |
| C2223 | 4030007160 | S.CER C1608 CH 1H 181J-T | T | 29.4/111.2 |
| C2224 | 4030007110 | S.CER C1608 CH 1H 680J-T | T | 7.3/109.1 |
| C2225 | 4030010020 | S.CER C1608 JB 1H 122K-T | T | 42.1/112.6 |
| C2226 | 4030009980 | S.CER C1608 JB 1H 152K-T | T | 31.8/108.3 |
| C2227 | 4030009580 | S.CER C1608 JB 1H 681K-T | T | 10.4/110.4 |
| C2228 | 4030007090 | S.CER C1608 CH 1H 470J-T | T | 39.6/109.5 |
| C2229 | 4030007030 | S.CER C1608 CH 1H 150J-T | T | 14.3/118.4 |
| C2232 | 4030007100 | S.CER C1608 CH 1H 560J-T | T | 28.6/107.6 |
| C2234 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 39/106.8 |
| C2235 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 20.8/120.9 |
| C2236 | 4030011330 | S.CER C1608 CH 1H 391J-T | T | 27.4/104.7 |
| C2237 | 403 | | | |

[MAIN UNIT]

| REF NO. | ORDER NO. | DESCRIPTION | M. | H/V LOCATION |
|---------|------------|--------------------------|----|--------------|
| C2246 | 4030006860 | S.CER C1608 JB 1H 102K-T | T | 21/116.2 |
| C2247 | 4030007150 | S.CER C1608 CH 1H 151J-T | T | 16.6/111 |
| C2248 | 4030007060 | S.CER C1608 CH 1H 270J-T | T | 17.9/111 |
| C2249 | 4030006860 | S.CER C1608 JB 1H 102K-T | T | 21.2/111.2 |
| C2250 | 4030006860 | S.CER C1608 JB 1H 102K-T | T | 21.9/114.3 |
| C2251 | 4030007040 | S.CER C1608 CH 1H 180J-T | T | 19.3/106.5 |
| C2252 | 4030011280 | S.CER C1608 CH 1H 271J-T | T | 15.4/105 |
| C2253 | 4030010020 | S.CER C1608 JB 1H 122K-T | T | 19.2/108.4 |
| C2254 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 21.4/105.8 |
| C2263 | 4030009510 | S.CER C1608 CH 1H 010B-T | T | 13.4/113.7 |
| C2264 | 4030009510 | S.CER C1608 CH 1H 010B-T | T | 19.2/111 |
| C2266 | 4030007010 | S.CER C1608 CH 1H 100D-T | T | 8.6/110.9 |
| C2267 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 46.7/103.1 |
| C2268 | 4030007080 | S.CER C1608 CH 1H 390J-T | T | 14.1/106.6 |
| C2269 | 4030007080 | S.CER C1608 CH 1H 390J-T | T | 4/106.9 |
| C2270 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 11.3/102.8 |
| C2271 | 4030007090 | S.CER C1608 CH 1H 470J-T | T | 25.6/105.4 |
| C2272 | 4030010760 | S.CER C1608 CH 1H 331J-T | T | 43/117.4 |
| C2301 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 40.4/100.6 |
| C2302 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 45/92.1 |
| C2303 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 30.6/99.3 |
| C2304 | 4030006850 | S.CER C1608 JB 1H 471K-T | T | 7.4/99.5 |
| C2307 | 4030007040 | S.CER C1608 CH 1H 180J-T | T | 5.2/89.3 |
| C2308 | 4030009910 | S.CER C1608 CH 1H 040B-T | T | 32/79.5 |
| C2309 | 4030007040 | S.CER C1608 CH 1H 180J-T | T | 12.4/95.6 |
| C2310 | 4030007130 | S.CER C1608 CH 1H 101J-T | T | 8.1/97.4 |
| C2311 | 4030007140 | S.CER C1608 CH 1H 121J-T | T | 9.6/96.2 |
| C2312 | 4030009910 | S.CER C1608 CH 1H 040B-T | T | 30.7/79.5 |
| C2402 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 33.3/79.5 |
| C2403 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 32.5/76.9 |
| C2404 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 35.4/81.9 |
| C2405 | 4030009910 | S.CER C1608 CH 1H 040B-T | T | 40.5/79.1 |
| C2406 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 35.3/84.5 |
| C2409 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 44.1/76 |
| C2501 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 41.4/74.4 |
| C2502 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 47/70.4 |
| C2503 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 47.3/67.7 |
| C2504 | 4030009910 | S.CER C1608 CH 1H 040B-T | T | 45.1/67 |
| C2701 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 41.4/69.4 |
| C2702 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 37.5/62.8 |
| C2703 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 42.4/58.4 |
| C2704 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 42.4/61.1 |
| C2705 | 4510008970 | S.ELE EEEHB1C100R | T | 40/66.4 |
| C2706 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 40.1/57.6 |
| C2707 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 45.8/53.2 |
| C2708 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 53.6/63.3 |
| C2710 | 4510008970 | S.ELE EEEHB1C100R | T | 54.4/68.6 |
| C2711 | 4510008970 | S.ELE EEEHB1C100R | T | 58.1/50.5 |
| C2712 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 62.5/58.9 |
| C2713 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 61.2/58.9 |
| C2714 | 4030009970 | S.CER C1608 JB 1H 182K-T | T | 59.8/54.7 |
| C2715 | 4030010040 | S.CER C1608 JB 1H 561K-T | T | 58.5/54.7 |
| C2716 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 61.2/61.6 |
| C2717 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 46.3/58.5 |
| C2718 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 45/58.5 |
| C2719 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 49.4/56.2 |
| C3001 | 4030008920 | S.CER C1608 JB 1H 473K-T | T | 109.6/87 |
| C3002 | 4030008920 | S.CER C1608 JB 1H 473K-T | T | 112.2/87 |
| C3003 | 4030008920 | S.CER C1608 JB 1H 473K-T | T | 114.8/87 |
| C3004 | 4030008920 | S.CER C1608 JB 1H 473K-T | T | 116.1/87 |
| C3005 | 4030008920 | S.CER C1608 JB 1H 473K-T | T | 118.7/87 |
| C3006 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 34.2/46.3 |
| C3007 | 4030007130 | S.CER C1608 CH 1H 101J-T | T | 116.5/42.2 |
| C3008 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 32.9/46.3 |
| C3009 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 31.6/46.3 |
| C3101 | 4510009330 | S.ELE EEEHA1E470WP | T | 146.1/26.8 |
| C3102 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 141.7/23.5 |
| C3103 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 138.1/23.7 |
| C3104 | 4510009330 | S.ELE EEEHA1E470WP | T | 134/26.7 |
| C3201 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 96.2/46.8 |
| C3202 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 90.3/42.1 |
| C3302 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 119.8/79.7 |
| C3303 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 103.1/70.8 |
| C3304 | 4030007060 | S.CER C1608 CH 1H 270J-T | T | 106.5/64.7 |
| C3305 | 4030007040 | S.CER C1608 CH 1H 180J-T | T | 106.9/60.8 |
| C3306 | 4030008850 | S.CER C1608 JB 1H 123K-T | T | 103.6/64.7 |
| C3307 | 4030008920 | S.CER C1608 JB 1H 473K-T | T | 121.3/87 |
| C3308 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 112.4/77.8 |
| C3309 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 112.4/79.2 |
| C3310 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 108.3/63.5 |
| C3311 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 128.6/61.5 |
| C3312 | 4030009510 | S.CER C1608 CH 1H 010B-T | T | 99.7/60.9 |
| C3313 | 4610001830 | S.TRI TZB4S100AB10R00 | T | 98.7/57.4 |
| C3314 | 4030008860 | S.CER C1608 JB 1H 153K-T | T | 103.6/66 |
| C3315 | 4030009510 | S.CER C1608 CH 1H 010B-T | T | 99.7/62.2 |
| C3316 | 4030007130 | S.CER C1608 CH 1H 101J-T | T | 47.1/35.3 |
| C3317 | 4030007170 | S.CER C1608 CH 1H 221J-T | T | 45.2/25.7 |
| C3601 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 94.3/59.2 |
| C3602 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 105.4/104.5 |
| C3603 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 92.4/46.7 |
| C3604 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 173.5/79.2 |
| C3605 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 66.8/102.9 |

[MAIN UNIT]

| REF NO. | ORDER NO. | DESCRIPTION | M. | H/V LOCATION |
|---------|------------|----------------------------|----|--------------|
| C3606 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 70.2/97.7 |
| C3801 | 4510008970 | S.ELE EEEHB1C100R | T | 153.9/36.7 |
| C3802 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 134.3/51.4 |
| C3901 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 142.5/55.7 |
| C9001 | 4030006900 | S.CER C1608 JB 1H 103K-T | T | 144.9/17 |
| C9002 | 4030006900 | S.CER C1608 JB 1H 103K-T | T | 126.8/17 |
| C9003 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 140/11.9 |
| C9004 | 4030006880 | S.CER C2012 JB 1H 471K-T | T | 151/11.9 |
| C9005 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 148.2/11.9 |
| C9007 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 142.7/11.9 |
| C9051 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 183.8/24.8 |
| C9052 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 166.7/9.8 |
| C9053 | 4030006900 | S.CER C1608 JB 1H 103K-T | T | 204.4/24.6 |
| C9054 | 4030008680 | S.CER C2012 JF 1C 105Z-T | T | 169.2/11.6 |
| C9055 | 4030008680 | S.CER C2012 JF 1C 105Z-T | T | 172.5/11.6 |
| C9056 | 4030008680 | S.CER C2012 JF 1C 105Z-T | T | 175.8/11.6 |
| C9057 | 4030008680 | S.CER C2012 JF 1C 105Z-T | T | 166.1/16.1 |
| C9058 | 4030006900 | S.CER C1608 JB 1H 103K-T | T | 166.7/7.2 |
| C9060 | 4030006900 | S.CER C1608 JB 1H 103K-T | T | 209.8/26.9 |
| C9101 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 29.6/16.9 |
| C9102 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 30.4/14.8 |
| C9103 | 4030006900 | S.CER C1608 JB 1H 103K-T | T | 40.7/15.4 |
| C9151 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 237.7/19.1 |
| C9152 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 256.3/17.4 |
| RL2101 | 6330001320 | RLY AHY103 | | |
| RL9001 | 6330001790 | RLY ATX203 | | |
| RL9002 | 6330001790 | RLY ATX203 | | |
| RL9051 | 6330001790 | RLY ATX203 | | |
| RL9052 | 6330001790 | RLY ATX203 | | |
| CP1201 | 6910009670 | S.CHK HK3-S-T | T | 115.8/133.5 |
| CP1601 | 6910009670 | S.CHK HK3-S-T | T | 41.7/33.1 |
| CP3801 | 6910009670 | S.CHK HK3-S-T | T | 168.3/46.7 |
| CP3802 | 6910009670 | S.CHK HK3-S-T | T | 172.4/46.7 |
| W2101 | 7030011280 | JPW J1/4Z | | |
| J1 | 6510007020 | CNR TMP-J01X-V6 | | |
| J51 | 6510007020 | CNR TMP-J01X-V6 | | |
| J301 | 6510007020 | CNR TMP-J01X-V6 | | |
| J601 | 6510007020 | CNR TMP-J01X-V6 | | |
| J1101 | 6510021651 | CNR IMSA-9180B-30B-PT1 | | |
| J1102 | 6510022811 | CNR IMSA-9180B-22B-PT1 | | |
| J1301 | 6510022561 | CNR 16FMN-BTRK-A (LF) (SN) | | |
| J1451 | 6510024310 | CNR B4B-PH-K-S | | |
| J1901 | 6510025470 | CNR 20FMN-BTRK-A (LF) (SN) | | |
| J2051 | 6510009420 | CNR B9B-ZR | | |
| J2101 | 6510007020 | CNR TMP-J01X-V6 | | |
| J2301 | 6510007020 | CNR TMP-J01X-V6 | | |
| J3001 | 6510022631 | CNR 10FMN-BTRK-A (LF) (SN) | | |
| J3601 | 6510025480 | CNR 24FMN-BTRK-A (LF) (SN) | | |
| J3801 | 6510021860 | CNR BH-800.8 | | |
| J9001 | 6510023120 | CNR CD6109SA1J0 | | |
| J9051 | 6510023120 | CNR CD6109SA1J0 | | |
| J9151 | 6510023210 | CNR CD6125SA1J0 | | |
| T9003 | 5920000570 | TSM 12T01 | | |
| T9004 | 5920000570 | TSM 12T01 | | |
| BT1 | 3020000110 | LTM CR2032 | | |
| EP1901 | 6910012350 | S.BEA MMZ1608Y 102BT | T | 136.3/128.5 |
| EP3001 | 6910012350 | S.BEA MMZ1608Y 102BT | T | 126.8/46.3 |
| EP9001 | 6910012350 | S.BEA MMZ1608Y 102BT | T | 152.8/22.8 |

M.=Mounted side (T: Mounted on the Top side, B: Mounted on the Bottom side)
S.=Surface mount

[PLL UNIT]

| REF NO. | ORDER NO. | DESCRIPTION | M. | H/V LOCATION |
|---------|------------|----------------------------|----|--------------|
| IC5001 | 1180001071 | S.IC TA7805F (TE16L, Q) | T | 65.5/32.6 |
| IC5031 | 1180001251 | S.IC TA7808F (TE16L, Q) | T | 31.1/14.7 |
| IC5101 | 1140007881 | S.IC TC190G08EFG0046JDZ | T | 158/36.5 |
| IC5102 | 1130004831 | S.IC TC74SU04F (TE85R F) | T | 159.2/22.5 |
| IC5103 | 1130004831 | S.IC TC74SU04F (TE85R F) | T | 170/47.1 |
| IC5401 | 1130009230 | S.IC LMX2306TMX | T | 203.6/46.3 |
| IC5701 | 1140004550 | S.IC M65343FP/SC1287 | T | 64.1/65.8 |
| IC5702 | 1130004831 | S.IC TC74SU04F (TE85R F) | T | 56.6/73.7 |
| IC5801 | 1140004550 | S.IC M65343FP/SC1287 | T | 36.3/60.9 |
| IC5802 | 1130004831 | S.IC TC74SU04F (TE85R F) | T | 44.2/68.4 |
| IC5901 | 1140004550 | S.IC M65343FP/SC1287 | T | 36.4/34.7 |
| IC5902 | 1130004831 | S.IC TC74SU04F (TE85R F) | T | 44.3/42.2 |
| Q5101 | 1530002691 | S.TR 2SC4116-GR (TE85R F) | T | 147.5/16 |
| Q5202 | 1530002601 | S.TR 2SC4215 O F | T | 123.8/39.4 |
| Q5281 | 1530002601 | S.TR 2SC4215 O F | T | 99.9/55.9 |
| Q5301 | 1560000331 | S.FET 2SK370-GR (TE85R F) | T | 193.7/30.6 |
| Q5302 | 1530002691 | S.TR 2SC4116-GR (TE85R F) | T | 201/31.6 |
| Q5351 | 1530002601 | S.TR 2SC4215 O F | T | 196.9/19.3 |
| Q5401 | 1590001330 | S.TR DTA114EUA T106 | T | 205.9/50.7 |
| Q5521 | 1560000491 | S.FET 2SK508-T2B-A K52 | T | 138.7/66.4 |
| Q5553 | 1530002691 | S.TR 2SC4116-GR (TE85R F) | T | 136/75.1 |
| Q5601 | 1530002601 | S.TR 2SC4215 O F | T | 177.7/67.9 |
| Q5602 | 1530002601 | S.TR 2SC4215 O F | T | 182.4/70.9 |
| Q5603 | 1530002601 | S.TR 2SC4215 O F | T | 188.3/66.5 |
| Q5604 | 1530002601 | S.TR 2SC4215 O F | T | 184.9/60.7 |
| Q5881 | 1530003151 | S.TR 2SC4673D-TD-E | T | 9.1/66 |
| Q5882 | 1530002601 | S.TR 2SC4215 O F | T | 19.3/61.1 |
| D5101 | 1750000271 | S.DIO 1SS301 (TE85R F) | T | 171.1/40.9 |
| D5301 | 1790000540 | S.VCP MA338 (TX) | T | 183.5/26.8 |
| D5302 | 1790001211 | S.DIO 1SS375-TL-E | T | 200.5/26.7 |
| D5303 | 1790001211 | S.DIO 1SS375-TL-E | T | 200.5/22.9 |
| D5402 | 1750000271 | S.DIO 1SS301 (TE85R F) | T | 212.9/48.3 |
| D5521 | 1720000831 | S.VCP KV1770STL-G | T | 146.9/67.4 |
| FI5101 | 2020001820 | S.CER SFCEV10M5FA00-R0 | T | 156.8/16.4 |
| X5251 | 6050011520 | XTL CR-604 (32.000 MHz) | | |
| L5005 | 6200009300 | S.COL ELJPA 100KF 10U | T | 63.5/12.7 |
| L5021 | 2040000490 | COL EXC-ELDR25C | | |
| L5101 | 6200001831 | S.COL NLV32T-100J | T | 172.6/18.8 |
| L5202 | 6200003261 | S.COL NLV32T-101J | T | 126.9/47.1 |
| L5203 | 6150004250 | COL LS-471A (C-14922) | | |
| L5204 | 6150004250 | COL LS-471A (C-14922) | | |
| L5301 | 6200003261 | S.COL NLV32T-101J | T | 183.7/31.4 |
| L5302 | 6130001850 | COL LB-185 | | |
| L5303 | 6200001831 | S.COL NLV32T-100J | T | 194.1/33.8 |
| L5304 | 6200003261 | S.COL NLV32T-101J | T | 199.4/35.4 |
| L5351 | 6200003261 | S.COL NLV32T-101J | T | 206/20.3 |
| L5352 | 6200003101 | S.COL NLV32T-3R9J | T | 190.7/18.5 |
| L5401 | 6200001831 | S.COL NLV32T-100J | T | 210.4/51 |
| L5521 | 6170000400 | COL LW-38 | | |
| L5522 | 6170000400 | COL LW-38 | | |
| L5523 | 6190001281 | COL #E544GN-110248 | | |
| L5552 | 6200003261 | S.COL NLV32T-101J | T | 127.7/58.9 |
| L5601 | 6200003261 | S.COL NLV32T-101J | T | 176.3/61.9 |
| L5602 | 6200003421 | S.COL NLV32T-R15J | T | 192.1/70.1 |
| L5603 | 6200003431 | S.COL NLV32T-R10J | T | 195.1/66.2 |
| L5604 | 6200003431 | S.COL NLV32T-R10J | T | 197.8/69.7 |
| L5605 | 6200003261 | S.COL NLV32T-101J | T | 180.7/61.8 |
| L5701 | 6200001831 | S.COL NLV32T-100J | T | 73.9/73.2 |
| L5781 | 6200001711 | S.COL NLV32T-220J | T | 75/49 |
| L5782 | 6200001711 | S.COL NLV32T-220J | T | 75.6/54 |
| L5783 | 6200003151 | S.COL NLV32T-180J | T | 74.3/59.2 |
| L5801 | 6200001831 | S.COL NLV32T-100J | T | 41.4/51.1 |
| L5881 | 6200001851 | S.COL NLV32T-5R6J | T | 19.5/50.8 |
| L5882 | 6200001851 | S.COL NLV32T-5R6J | T | 24.5/50.2 |
| L5883 | 6200004900 | S.COL ELJFC 5R6K-F | T | 29.7/50.9 |
| L5884 | 6200005011 | S.COL NLV25T-100J | T | 19.3/67.4 |
| L5885 | 6200002041 | S.COL NLV25T-101J | T | 8.7/69.8 |
| L5901 | 6200001831 | S.COL NLV32T-100J | T | 41.7/24.9 |
| L5981 | 6200003151 | S.COL NLV32T-180J | T | 21.2/24.6 |
| L5982 | 6200001711 | S.COL NLV32T-220J | T | 26.1/24 |
| L5983 | 6200003141 | S.COL NLV32T-150J | T | 30.2/24.6 |
| R5002 | 7030003400 | S.RES ERJ3GEYJ 471 V (470) | T | 82.4/12.3 |
| R5003 | 7030003400 | S.RES ERJ3GEYJ 471 V (470) | T | 78.3/14.5 |
| R5004 | 7030003400 | S.RES ERJ3GEYJ 471 V (470) | T | 75.7/14.5 |
| R5005 | 7030003400 | S.RES ERJ3GEYJ 471 V (470) | T | 73.1/14.5 |
| R5006 | 7030003400 | S.RES ERJ3GEYJ 471 V (470) | T | 70.5/14.5 |
| R5008 | 7030003400 | S.RES ERJ3GEYJ 471 V (470) | T | 79.6/14.5 |
| R5009 | 7030003400 | S.RES ERJ3GEYJ 471 V (470) | T | 77/14.5 |
| R5010 | 7030003400 | S.RES ERJ3GEYJ 471 V (470) | T | 74.4/14.5 |
| R5011 | 7030003400 | S.RES ERJ3GEYJ 471 V (470) | T | 71.8/14.5 |

[PLL UNIT]

| REF NO. | ORDER NO. | DESCRIPTION | M. | H/V LOCATION |
|---------|-------------|------------------------------|----|--------------|
| R5021 | 7070000311 | RES ERG1SJ 100 (10) | | |
| R5101 | 70300007200 | S.RES ERA3YEB 202V (2 k) | T | 142/26.7 |
| R5102 | 70300007200 | S.RES ERA3YEB 202V (2 k) | T | 142/28.3 |
| R5103 | 70300007200 | S.RES ERA3YEB 202V (2 k) | T | 142/29.9 |
| R5104 | 70300007200 | S.RES ERA3YEB 202V (2 k) | T | 142/31.5 |
| R5105 | 70300007200 | S.RES ERA3YEB 202V (2 k) | T | 142/33.1 |
| R5106 | 70300007200 | S.RES ERA3YED 202V (2 k) | T | 142/34.7 |
| R5107 | 70300007200 | S.RES ERA3YED 202V (2 k) | T | 142/36.3 |
| R5108 | 70300007200 | S.RES ERA3YED 202V (2 k) | T | 142/37.9 |
| R5109 | 70300007200 | S.RES ERA3YED 202V (2 k) | T | 142/39.5 |
| R5110 | 70300007200 | S.RES ERA3YED 202V (2 k) | T | 142/41.1 |
| R5111 | 70300007200 | S.RES ERA3YED 202V (2 k) | T | 142/42.7 |
| R5112 | 70300007200 | S.RES ERA3YED 202V (2 k) | T | 142/44.3 |
| R5113 | 70300007210 | S.RES ERA3YEB 102V (1 k) | T | 140/27.5 |
| R5114 | 70300007210 | S.RES ERA3YEB 102V (1 k) | T | 138.7/29.1 |
| R5115 | 70300007210 | S.RES ERA3YEB 102V (1 k) | T | 140/30.7 |
| R5116 | 70300007210 | S.RES ERA3YEB 102V (1 k) | T | 138.7/32.3 |
| R5117 | 70300007210 | S.RES ERA3YEB 102V (1 k) | T | 140/33.9 |
| R5118 | 70300007230 | S.RES ERA3YED 102V (1 k) | T | 138.7/35.5 |
| R5119 | 70300007230 | S.RES ERA3YED 102V (1 k) | T | 140/37.1 |
| R5120 | 70300007230 | S.RES ERA3YED 102V (1 k) | T | 138.7/38.7 |
| R5121 | 70300007230 | S.RES ERA3YED 102V (1 k) | T | 140/40.3 |
| R5122 | 70300007230 | S.RES ERA3YED 102V (1 k) | T | 138.7/41.9 |
| R5123 | 70300007230 | S.RES ERA3YED 102V (1 k) | T | 140/43.5 |
| R5124 | 70300007220 | S.RES ERA3YED 102V (2 k) | T | 142/45.9 |
| R5125 | 70300003320 | S.RES ERJ3GEYJ 201 V (100) | T | 156.7/24.3 |
| R5126 | 70300003800 | S.RES ERJ3GEYJ 105 V (1 M) | T | 161.9/22.9 |
| R5127 | 70300003380 | S.RES ERJ3GEYJ 331 V (330) | T | 162.1/17.1 |
| R5128 | 70300003320 | S.RES ERJ3GEYJ 101 V (100) | T | 152.7/22.8 |
| R5129 | 70300003380 | S.RES ERJ3GEYJ 331 V (330) | T | 152.2/15.9 |
| R5130 | 70300003460 | S.RES ERJ3GEYJ 152 V (1.5 k) | T | 145.4/15.8 |
| R5131 | 70300003400 | S.RES ERJ3GEYJ 471 V (470) | T | 149.4/15.9 |
| R5132 | 70300003490 | S.RES ERJ3GEYJ 272 V (2.7 k) | T | 144/15.8 |
| R5133 | 70300003640 | S.RES ERJ3GEYJ 473 V (47 k) | T | 165.7/25.4 |
| R5134 | 70300003640 | S.RES ERJ3GEYJ 473 V (47 k) | T | 167.6/25.9 |
| R5135 | 70300003800 | S.RES ERJ3GEYJ 105 V (1 M) | T | 169.7/44.7 |
| R5136 | 70300003680 | S.RES ERJ3GEYJ 104 V (100 k) | T | 169.6/33.9 |
| R5137 | 70300003440 | S.RES ERJ3GEYJ 102 V (1 k) | T | 169.9/31.5 |
| R5138 | 70300003440 | S.RES ERJ3GEYJ 102 V (1 k) | T | 153.6/46.2 |
| R5139 | 70300003440 | S.RES ERJ3GEYJ 102 V (1 k) | T | 150.8/49.4 |
| R5140 | 70300003640 | S.RES ERJ3GEYJ 473 V (47 k) | T | 156/49.4 |
| R5141 | 70300003640 | S.RES ERJ3GEYJ 473 V (47 k) | T | 153.4/49.4 |
| R5142 | 70300003640 | S.RES ERJ3GEYJ 473 V (47 k) | T | 150.3/47.5 |
| R5143 | 70300003640 | S.RES ERJ3GEYJ 473 V (47 k) | T | 157.3/49.4 |
| R5144 | 70300003640 | S.RES ERJ3GEYJ 473 V (47 k) | T | 154.7/49.4 |
| R5145 | 70300003640 | S.RES ERJ3GEYJ 473 V (47 k) | T | 152.1/49.4 |
| R5146 | 70300003430 | S.RES ERJ3GEYJ 821 V (820) | T | 169.1/35.8 |
| R5203 | 70300003320 | S.RES ERJ3GEYJ 101 V (100) | T | 126.3/41.5 |
| R5204 | 70300003600 | S.RES ERJ3GEYJ 223 V (22 k) | T | 123.6/41.5 |
| R5205 | 70300003560 | S.RES ERJ3GEYJ 103 V (10 k) | T | 120.7/41.5 |
| R5206 | 70300003360 | S.RES ERJ3GEYJ 221 V (220) | T | 120.7/40 |
| R5207 | 70300003860 | S.RES ERJ3GE JPW V | T | 124.3/44.8 |
| R5251 | 70300003400 | S.RES ERJ3GEYJ 471 V (470) | T | 99.5/64.9 |
| R5252 | 70300003860 | S.RES ERJ3GE JPW V | T | 99.9/62.5 |
| R5281 | 70300003400 | S.RES ERJ3GEYJ 471 V (470) | T | 99.2/58.9 |
| R5282 | 70300003320 | S.RES ERJ3GEYJ 101 V (100) | T | 98/55.7 |
| R5283 | 70300003480 | S.RES ERJ3GEYJ 222 V (2.2 k) | T | 101.8/56.1 |
| R5284 | 70300003520 | S.RES ERJ3GEYJ 472 V (4.7 k) | T | 100.5/58.9 |
| R5302 | 70300003340 | S.RES ERJ3GEYJ 151 V (150) | T | 185.9/31.9 |
| R5303 | 70300003680 | S.RES ERJ3GEYJ 104 V (100 k) | T | 189.8/29.4 |
| R5304 | 70300003680 | S.RES ERJ3GEYJ 104 V (100 k) | T | 191/36 |
| R5305 | 70300003340 | S.RES ERJ3GEYJ 151 V (150) | T | 190.1/33.3 |
| R5306 | 70300003320 | S.RES ERJ3GEYJ 101 V (100) | T | 195.2/36 |
| R5307 | 70300003690 | S.RES ERJ3GEYJ 124 V (120 k) | T | 199/31.7 |
| R5308 | 70300003320 | S.RES ERJ3GEYJ 101 V (100) | T | 203.8/31.4 |
| R5309 | 70300003430 | S.RES ERJ3GEYJ 821 V (820) | T | 204/28.8 |
| R5310 | 70300003430 | S.RES ERJ3GEYJ 821 V (820) | T | 204.5/23.2 |
| R5311 | 70300003430 | S.RES ERJ3GEYJ 821 V (820) | T | 203.2/26.5 |
| R5312 | 70300003400 | S.RES ERJ3GEYJ 471 V (470) | T | 205.8/23.2 |
| R5351 | 70300003570 | S.RES ERJ3GEYJ 123 V (12 k) | T | 200.1/19.3 |
| R5352 | 70300003400 | S.RES ERJ3GEYJ 471 V (470) | T | 198.8/19.3 |
| R5353 | 70300003440 | S.RES ERJ3GEYJ 102 V (1 k) | T | 201.5/19.3 |
| R5354 | 70300003400 | S.RES ERJ3GEYJ 471 V (470) | T | 186.1/19.4 |
| R5401 | 70300003860 | S.RES ERJ3GE JPW V | T | 203/49.9 |
| R5403 | 70300003450 | S.RES ERJ3GEYJ 122 V (1.2 k) | T | 195.6/47.9 |
| R5404 | 70300003440 | S.RES ERJ3GEYJ 102 V (1 k) | T | 209.7/44.9 |
| R5406 | 70300003680 | S.RES ERJ3GEYJ 104 V (100 k) | T | 209.7/48.8 |
| R5407 | 70300003440 | S.RES ERJ3GEYJ 102 V (1 k) | T | 203/51.3 |
| R5408 | 70300003440 | S.RES ERJ3GEYJ 102 V (1 k) | T | 209.7/46.2 |
| R5409 | 70300003860 | S.RES ERJ3GE JPW V | T | 191.6/51.1 |
| R5410 | 70300003440 | S.RES ERJ3GEYJ 102 V (1 k) | T | 209.7/47.5 |
| R5411 | 70300003860 | S.RES ERJ3GE JPW V | T | 198.3/47.9 |
| R5505 | 70300003860 | S.RES ERJ3GE JPW V | T | 136.7/63.2 |
| R5522 | 70300003370 | S.RES ERJ3GEYJ 271 V (270) | T | 137.6/61.3 |
| R5524 | 70300003320 | S.RES ERJ3GEYJ 101 V (100) | T | 139.2/73.7 |
| R5551 | 70300003320 | S.RES ERJ3GEYJ 101 V (100) | T | 186.6/46.1 |
| R5556 | 70300003560 | S.RES ERJ3GEYJ 103 V (10 k) | T | 134.1/75 |
| R5557 | 70300003560 | S.RES ERJ3GEYJ 103 V (10 k) | T | 132.8/73.6 |
| R5601 | 70300003520 | S.RES ERJ3GEYJ 472 V (4.7 k) | T | 177.9/66 |
| R5602 | 70300003320 | S.RES ERJ3GEYJ 101 V (100) | T | 175.6/66.9 |
| R5603 | 70300003440 | S.RES ERJ3GEYJ 102 V (1 k) | T | 179.4/70.5 |
| R5604 | 70300003650 | S.RES ERJ3GEYJ 563 V (56 k) | T | 182.9/68.8 |

M.=Mounted side (T: Mounted on the Top side, B: Mounted on the Bottom side)

S.=Surface mount

[PLL UNIT]

| REF NO. | ORDER NO. | DESCRIPTION | M. | H/V LOCATION |
|---------|------------|------------------------------|----|--------------|
| R5605 | 7030003320 | S.RES ERJ3GEYJ 101 V (100) | T | 184.4/66.1 |
| R5606 | 7030003380 | S.RES ERJ3GEYJ 331 V (330) | T | 184.4/67.5 |
| R5607 | 7030003520 | S.RES ERJ3GEYJ 472 V (4.7 k) | T | 188.5/64.6 |
| R5608 | 7030003520 | S.RES ERJ3GEYJ 472 V (4.7 k) | T | 188.5/70.6 |
| R5609 | 7030003320 | S.RES ERJ3GEYJ 101 V (100) | T | 186.3/66.4 |
| R5610 | 7030003360 | S.RES ERJ3GEYJ 221 V (220) | T | 189.8/69.6 |
| R5611 | 7030003250 | S.RES ERJ3GEYJ 270 V (27) | T | 190.4/66.4 |
| R5612 | 7030003380 | S.RES ERJ3GEYJ 331 V (330) | T | 183.6/63.9 |
| R5613 | 7030003650 | S.RES ERJ3GEYJ 563 V (56 k) | T | 184.5/62.6 |
| R5614 | 7030003350 | S.RES ERJ3GEYJ 181 V (180) | T | 180.5/66.9 |
| R5701 | 7030007220 | S.RES ERA3YED 202V (2 k) | T | 58/52.9 |
| R5702 | 7030007230 | S.RES ERA3YED 102V (1 k) | T | 59.3/52.9 |
| R5703 | 7030007230 | S.RES ERA3YED 102V (1 k) | T | 60.6/52.9 |
| R5704 | 7030007230 | S.RES ERA3YED 102V (1 k) | T | 61.9/52.9 |
| R5705 | 7030007230 | S.RES ERA3YED 102V (1 k) | T | 63.2/52.9 |
| R5706 | 7030007230 | S.RES ERA3YED 102V (1 k) | T | 64.5/52.9 |
| R5707 | 7030007230 | S.RES ERA3YED 102V (1 k) | T | 65.8/52.9 |
| R5708 | 7030007210 | S.RES ERA3YEB 102V (1 k) | T | 67.1/52.9 |
| R5709 | 7030007210 | S.RES ERA3YEB 102V (1 k) | T | 68.4/54.5 |
| R5710 | 7030007210 | S.RES ERA3YEB 102V (1 k) | T | 69.7/57.1 |
| R5711 | 7030007220 | S.RES ERA3YED 202V (2 k) | T | 58/55.5 |
| R5712 | 7030007220 | S.RES ERA3YED 202V (2 k) | T | 59.3/55.5 |
| R5713 | 7030007220 | S.RES ERA3YED 202V (2 k) | T | 60.6/55.5 |
| R5714 | 7030007220 | S.RES ERA3YED 202V (2 k) | T | 61.9/55.5 |
| R5715 | 7030007220 | S.RES ERA3YED 202V (2 k) | T | 63.2/55.5 |
| R5716 | 7030007220 | S.RES ERA3YED 202V (2 k) | T | 64.5/55.5 |
| R5717 | 7030007220 | S.RES ERA3YED 202V (2 k) | T | 65.8/55.5 |
| R5718 | 7030007200 | S.RES ERA3YEB 202V (2 k) | T | 67.1/55.5 |
| R5719 | 7030007200 | S.RES ERA3YEB 202V (2 k) | T | 68.4/57.1 |
| R5720 | 7030007200 | S.RES ERA3YEB 202V (2 k) | T | 72.5/61.5 |
| R5721 | 7030003800 | S.RES ERJ3GEYJ 105 V (1 M) | T | 59/73.7 |
| R5722 | 7030003320 | S.RES ERJ3GEYJ 101 V (100) | T | 60.9/75.1 |
| R5781 | 7030003410 | S.RES ERJ3GEYJ 561 V (560) | T | 75.2/45.4 |
| R5782 | 7030007860 | S.RES ERJ3GEYJ 8R2V (8.2) | T | 73.8/43.9 |
| R5783 | 7030003410 | S.RES ERJ3GEYJ 561 V (560) | T | 75.4/46.7 |
| R5799 | 7030003440 | S.RES ERJ3GEYJ 102 V (1 k) | T | 72.4/49.1 |
| R5801 | 7030007220 | S.RES ERA3YED 202V (2 k) | T | 23.4/67.5 |
| R5802 | 7030007230 | S.RES ERA3YED 102V (1 k) | T | 23.4/66.2 |
| R5803 | 7030007230 | S.RES ERA3YED 102V (1 k) | T | 23.4/64.9 |
| R5804 | 7030007230 | S.RES ERA3YED 102V (1 k) | T | 23.4/63.6 |
| R5805 | 7030007230 | S.RES ERA3YED 102V (1 k) | T | 23.4/62.3 |
| R5806 | 7030007230 | S.RES ERA3YED 102V (1 k) | T | 23.4/61 |
| R5807 | 7030007230 | S.RES ERA3YED 102V (1 k) | T | 23.4/59.7 |
| R5808 | 7030007210 | S.RES ERA3YEB 102V (1 k) | T | 23.4/58.4 |
| R5809 | 7030007210 | S.RES ERA3YEB 102V (1 k) | T | 25/57.1 |
| R5810 | 7030007210 | S.RES ERA3YEB 102V (1 k) | T | 27.6/55.8 |
| R5811 | 7030007220 | S.RES ERA3YED 202V (2 k) | T | 26/67.5 |
| R5812 | 7030007220 | S.RES ERA3YED 202V (2 k) | T | 26/66.2 |
| R5813 | 7030007220 | S.RES ERA3YED 202V (2 k) | T | 26/64.9 |
| R5814 | 7030007220 | S.RES ERA3YED 202V (2 k) | T | 26/63.6 |
| R5815 | 7030007220 | S.RES ERA3YED 202V (2 k) | T | 26/62.3 |
| R5816 | 7030007220 | S.RES ERA3YED 202V (2 k) | T | 26/61 |
| R5817 | 7030007220 | S.RES ERA3YED 202V (2 k) | T | 26/59.7 |
| R5818 | 7030007200 | S.RES ERA3YEB 202V (2 k) | T | 26/58.4 |
| R5819 | 7030007200 | S.RES ERA3YEB 202V (2 k) | T | 27.6/57.1 |
| R5820 | 7030007200 | S.RES ERA3YEB 202V (2 k) | T | 32/52.4 |
| R5821 | 7030003800 | S.RES ERJ3GEYJ 105 V (1 M) | T | 44.2/66 |
| R5822 | 7030003320 | S.RES ERJ3GEYJ 101 V (100) | T | 45.4/64.2 |
| R5881 | 7030000220 | S.RES MCR10EZHJ 47 | T | 12.9/68.1 |
| R5882 | 7030003440 | S.RES ERJ3GEYJ 102 V (1 k) | T | 10.3/62.8 |
| R5883 | 7030003450 | S.RES ERJ3GEYJ 122 V (1.2 k) | T | 13.2/63.3 |
| R5885 | 7030003370 | S.RES ERJ3GEYJ 271 V (270) | T | 16.9/58.7 |
| R5886 | 7030003440 | S.RES ERJ3GEYJ 102 V (1 k) | T | 19.3/59.2 |
| R5887 | 7030003450 | S.RES ERJ3GEYJ 122 V (1.2 k) | T | 19.3/56.5 |
| R5888 | 7030003280 | S.RES ERJ3GEYJ 470 V (47) | T | 20.2/63.9 |
| R5889 | 7030003450 | S.RES ERJ3GEYJ 122 V (1.2 k) | T | 19.3/53.7 |
| R5890 | 7030003410 | S.RES ERJ3GEYJ 561 V (560) | T | 16.9/63.9 |
| R5891 | 7030003400 | S.RES ERJ3GEYJ 471 V (470) | T | 19.3/55.1 |
| R5892 | 7030003260 | S.RES ERJ3GEYJ 330 V (33) | T | 6.9/60.3 |
| R5901 | 7030007220 | S.RES ERA3YED 202V (2 k) | T | 23.5/41.3 |
| R5902 | 7030007230 | S.RES ERA3YED 102V (1 k) | T | 23.5/40 |
| R5903 | 7030007230 | S.RES ERA3YED 102V (1 k) | T | 23.5/38.7 |
| R5904 | 7030007230 | S.RES ERA3YED 102V (1 k) | T | 23.5/37.4 |
| R5905 | 7030007230 | S.RES ERA3YED 102V (1 k) | T | 23.5/36.1 |
| R5906 | 7030007230 | S.RES ERA3YED 102V (1 k) | T | 23.5/34.8 |
| R5907 | 7030007230 | S.RES ERA3YED 102V (1 k) | T | 23.5/33.5 |
| R5908 | 7030007210 | S.RES ERA3YEB 102V (1 k) | T | 23.5/32.2 |
| R5909 | 7030007210 | S.RES ERA3YEB 102V (1 k) | T | 25.1/30.9 |
| R5910 | 7030007210 | S.RES ERA3YEB 102V (1 k) | T | 27.7/29.6 |
| R5911 | 7030007220 | S.RES ERA3YED 202V (2 k) | T | 26.1/41.3 |
| R5912 | 7030007220 | S.RES ERA3YED 202V (2 k) | T | 26.1/40 |
| R5913 | 7030007220 | S.RES ERA3YED 202V (2 k) | T | 26.1/38.7 |
| R5914 | 7030007220 | S.RES ERA3YED 202V (2 k) | T | 26.1/37.4 |
| R5915 | 7030007220 | S.RES ERA3YED 202V (2 k) | T | 26.1/36.1 |
| R5916 | 7030007220 | S.RES ERA3YED 202V (2 k) | T | 26.1/34.8 |
| R5917 | 7030007220 | S.RES ERA3YED 202V (2 k) | T | 26.1/33.5 |
| R5918 | 7030007200 | S.RES ERA3YEB 202V (2 k) | T | 26.1/32.2 |
| R5919 | 7030007200 | S.RES ERA3YEB 202V (2 k) | T | 27.7/30.9 |
| R5920 | 7030007200 | S.RES ERA3YEB 202V (2 k) | T | 32.4/26.1 |
| R5921 | 7030003800 | S.RES ERJ3GEYJ 105 V (1 M) | T | 44.3/39.8 |
| R5922 | 7030003320 | S.RES ERJ3GEYJ 101 V (100) | T | 45.5/38 |
| R5981 | 7030003860 | S.RES ERJ3GE JPW V | T | 18/26.1 |

[PLL UNIT]

| REF NO. | ORDER NO. | DESCRIPTION | M. | H/V LOCATION |
|---------|------------|----------------------------|----|--------------|
| R5982 | 7030003440 | S.RES ERJ3GEYJ 102 V (1 k) | T | 21.4/27.4 |
| C5021 | 4510009330 | S.ELE EEEHA1E470WP | T | 58.2/33.6 |
| C5022 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 64.1/25.9 |
| C5023 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 69.7/29.5 |
| C5024 | 4510009330 | S.ELE EEEHA1E470WP | T | 72.7/34.6 |
| C5031 | 4510009330 | S.ELE EEEHA1E470WP | T | 23.5/15.3 |
| C5032 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 27/10.2 |
| C5033 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 35.2/10.7 |
| C5034 | 4510009330 | S.ELE EEEHA1E470WP | T | 38.5/15.3 |
| C5101 | 4030007060 | S.CER C1608 CH 1H 270J-T | T | 146.4/29.9 |
| C5102 | 4030007010 | S.CER C1608 CH 1H 100D-T | T | 147.6/31.8 |
| C5103 | 4030006960 | S.CER C1608 CH 1H 050C-T | T | 147.6/34.5 |
| C5104 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 156.7/21.5 |
| C5105 | 4030006880 | S.CER C1608 JB 1H 102K-T | T | 163.5/17.1 |
| C5106 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 148.6/18.1 |
| C5107 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 150.8/15.9 |
| C5108 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 142.6/15.8 |
| C5110 | 4510008970 | S.ELE EEEHB1C100R | T | 172.4/18.7 |
| C5111 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 172.4/44.7 |
| C5112 | 4030007090 | S.CER C1608 CH 1H 470J-T | T | 168.3/33.9 |
| C5113 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 170.3/29.5 |
| C5115 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 169/29.5 |
| C5116 | 4510009330 | S.ELE EEEHA1E470WP | T | 171.9/24.3 |
| C5117 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 168.6/38.1 |
| C5118 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 169.9/38.1 |
| C5120 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 161.1/26.3 |
| C5121 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 159.3/26.3 |
| C5122 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 156.9/26.4 |
| C5123 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 151.9/26.2 |
| C5124 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 150.3/46.2 |
| C5125 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 148.2/43.2 |
| C5126 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 149.1/29.4 |
| C5201 | 4030006860 | S.CER C1608 JB 1H 102K-T | T | 127.3/39.2 |
| C5202 | 4030006860 | S.CER C1608 JB 1H 102K-T | T | 123.6/42.8 |
| C5203 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 120.7/36.5 |
| C5204 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 120.7/38.7 |
| C5205 | 4030007030 | S.CER C1608 CH 1H 150J-T | T | 124.9/36.5 |
| C5206 | 4030006910 | S.CER C1608 CH 1H 0R5C-T | T | 119.9/28.2 |
| C5207 | 4030007030 | S.CER C1608 CH 1H 150J-T | T | 119.9/23.5 |
| C5251 | 4030007130 | S.CER C1608 CH 1H 101J-T | T | 98/66.3 |
| C5253 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 82/70.7 |
| C5254 | 4510008970 | S.ELE EEEHB1C100R | T | 84.4/74.6 |
| C5281 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 103.1/56.1 |
| C5282 | 4030006880 | S.CER C1608 JB 1H 102K-T | T | 101.8/58.9 |
| C5283 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 111.4/63.8 |
| C5301 | 4550000730 | S.TAN TEESVA 0J 225M8R | T | 187.7/33.3 |
| C5302 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 172/34.6 |
| C5303 | 4030009650 | S.CER C1608 CH 1H 240J-T | T | 184.2/23.5 |
| C5304 | 4030011570 | S.CER CM105 CH 101G 50AT | T | 189.8/25.8 |
| C5305 | 4610001850 | S.TRI TZB4R200AB10R00 | T | 186.8/26.9 |
| C5306 | 4030007150 | S.CER C1608 CH 1H 151J-T | T | 191.1/25.8 |
| C5307 | 4030007150 | S.CER C1608 CH 1H 151J-T | T | 191.1/29.8 |
| C5308 | 4030007150 | S.CER C1608 CH 1H 151J-T | T | 190.1/32 |
| C5309 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 190.1/34.6 |
| C5310 | 4030007010 | S.CER C1608 CH 1H 100D-T | T | 197.1/31.7 |
| C5311 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 205.8/30.6 |
| C5312 | 4510008970 | S.ELE EEEHB1C100R | T | 207.8/34.5 |
| C5313 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 203.8/30.1 |
| C5314 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 204.5/26.5 |
| C5315 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 205.8/26.5 |
| C5351 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 203.2/23.2 |
| C5352 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 195/19.4 |
| C5353 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 203/19.3 |
| C5354 | 4030010000 | S.CER C1608 CH 1H 510J-T | T | 193.7/19.4 |
| C5355 | 4030006960 | S.CER C1608 CH 1H 050C-T | T | 190.7/20.7 |
| C5356 | 4030010000 | S.CER C1608 CH 1H 510J-T | T | 187.8/19.4 |
| C5357 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 184.6/19.4 |
| C5401 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 196.9/44 |
| C5402 | 4030006860 | S.CER C1608 JB 1H 102K-T | T | 196.9/45.3 |
| C5403 | 4030006900 | S.CER C1608 JB 1H 103K-T | T | 198.8/45.8 |
| C5404 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 196.6/46.6 |
| C5408 | 4550005980 | S.TAN TEESVA 1A 475M8R | T | 199/50.9 |
| C5521 | 4610001830 | S.TRI TZB4S100AB10R00 | T | 145.6/72 |
| C5522 | 4030007130 | S.CER C1608 CH 1H 101J-T | T | 143.8/66.8 |
| C5523 | 4030007010 | S.CER C1608 CH 1H 100D-T | T | 139.6/69.5 |
| C5524 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 144.7/65.4 |
| C5525 | 4030006870 | S.CER C1608 JB 1H 222K-T | T | 138/63.2 |
| C5526 | 4030009510 | S.CER C1608 CH 1H 010B-T | T | 141.6/65.3 |
| C5528 | 4030006860 | S.CER C1608 JB 1H 102K-T | T | 144.5/68.5 |
| C5529 | 4030011340 | S.CER C1608 CH 1H 471J-T | T | 140.5/72.2 |
| C5551 | 4550005980 | S.TAN TEESVA 1A 475M8R | T | 187.1/49.6 |
| C5552 | 4550003250 | S.TAN TEESVA 1V 474M8R | T | 181.6/42.7 |
| C5556 | 4030006860 | S.CER C1608 JB 1H 102K-T | T | 150.1/75 |
| C5557 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 148.8/75 |
| C5558 | 4510009370 | ELE 16 ME 470 CZ | T | |
| C5560 | 4510009320 | S.ELE EEEHB0J220R | T | 129.7/72.2 |
| C5561 | 403001 | | | |

[PLL UNIT]

| REF NO. | ORDER NO. | DESCRIPTION | M. | H/V LOCATION |
|---------|------------|-----------------------------------|----|--------------|
| C5604 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 178.5/60.7 |
| C5605 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 184.5/70.6 |
| C5606 | 4030006860 | S.CER C1608 JB 1H 102K-T | T | 187.3/68.4 |
| C5607 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 186.4/63.2 |
| C5608 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 187.2/70.6 |
| C5609 | 4030007090 | S.CER C1608 CH 1H 470J-T | T | 190.4/63.8 |
| C5610 | 4030011280 | S.CER C1608 CH 1H 271J-T | T | 192.2/66.2 |
| C5611 | 4030007090 | S.CER C1608 CH 1H 470J-T | T | 193.1/64 |
| C5612 | 4030007060 | S.CER C1608 CH 1H 270J-T | T | 194.3/70.9 |
| C5613 | 4030007020 | S.CER C1608 CH 1H 120J-T | T | 195.7/64 |
| C5614 | 4030007060 | S.CER C1608 CH 1H 270J-T | T | 195.6/70.9 |
| C5615 | 4030006980 | S.CER C1608 CH 1H 070D-T | T | 198/66.2 |
| C5616 | 4030007040 | S.CER C1608 CH 1H 180J-T | T | 200/69.1 |
| C5617 | 4030006860 | S.CER C1608 JB 1H 102K-T | T | 187.9/62.4 |
| C5618 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 182.9/60.9 |
| C5619 | 4030006930 | S.CER C1608 CH 1H 020C-T | T | 180.8/65 |
| C5701 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 56.4/63.3 |
| C5702 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 71.9/65.1 |
| C5703 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 56.4/66.6 |
| C5704 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 70.1/71.9 |
| C5705 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 62.5/73.6 |
| C5706 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 65.5/73.6 |
| C5707 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 72.7/71.1 |
| C5708 | 4510008970 | S.ELE EEEHB1C100R | T | 69.5/75.3 |
| C5709 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 56.2/71.2 |
| C5710 | 4030006860 | S.CER C1608 JB 1H 102K-T | T | 60.7/76.4 |
| C5711 | 4030007010 | S.CER C1608 CH 1H 100D-T | T | 56.9/76.1 |
| C5781 | 4030008770 | S.CER C1608 JB 1H 562K-T | T | 73.2/51.2 |
| C5782 | 4030009490 | S.CER C1608 JB 1H 821K-T | T | 75.8/51.2 |
| C5783 | 4030006900 | S.CER C1608 JB 1H 103K-T | T | 72.6/52.5 |
| C5784 | 4030009980 | S.CER C1608 JB 1H 152K-T | T | 73.4/54.4 |
| C5785 | 4030006900 | S.CER C1608 JB 1H 103K-T | T | 74.8/56.9 |
| C5794 | 4030008920 | S.CER C1608 JB 1H 473K-T | T | 73.1/46.2 |
| C5801 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 33.8/68.6 |
| C5802 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 35.6/53.1 |
| C5803 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 37.1/68.6 |
| C5804 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 45/57.4 |
| C5805 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 44.1/62.1 |
| C5806 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 44.2/59.5 |
| C5807 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 39.2/51.9 |
| C5808 | 4510008970 | S.ELE EEEHB1C100R | T | 45.3/53.7 |
| C5809 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 41.7/69.2 |
| C5810 | 4030006860 | S.CER C1608 JB 1H 102K-T | T | 46.7/64.2 |
| C5811 | 4030007010 | S.CER C1608 CH 1H 100D-T | T | 46.5/68.1 |
| C5881 | 4030008920 | S.CER C1608 JB 1H 473K-T | T | 13.2/65.8 |
| C5882 | 4030007020 | S.CER C1608 CH 1H 120J-T | T | 18.2/63.9 |
| C5883 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 19.3/57.9 |
| C5884 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 17.1/54.4 |
| C5885 | 4030006980 | S.CER C1608 CH 1H 070D-T | T | 21.7/52.8 |
| C5886 | 4030009500 | S.CER C1608 CH 1H 0R5B-T | T | 21.7/50.1 |
| C5887 | 4030006980 | S.CER C1608 CH 1H 070D-T | T | 23.1/53.1 |
| C5888 | 4030009510 | S.CER C1608 CH 1H 010B-T | T | 25.3/52.4 |
| C5889 | 4030011770 | S.CER C1608 CH 1H 060B-T | T | 27.5/52 |
| C5890 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 8.2/62 |
| C5891 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 16.9/61.3 |
| C5892 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 11/69.5 |
| C5893 | 4030007150 | S.CER C1608 CH 1H 151J-T | T | 5.6/59.7 |
| C5901 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 33.9/42.4 |
| C5902 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 35.7/26.9 |
| C5903 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 37.2/42.4 |
| C5904 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 45/30.5 |
| C5905 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 44.2/35.8 |
| C5906 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 44.2/33.1 |
| C5907 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 39.5/25.6 |
| C5908 | 4510008970 | S.ELE EEEHB1C100R | T | 45.6/26.8 |
| C5909 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 41.8/43 |
| C5910 | 4030006860 | S.CER C1608 JB 1H 102K-T | T | 46.8/38 |
| C5911 | 4030007010 | S.CER C1608 CH 1H 100D-T | T | 46.8/42.1 |
| C5981 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 18.7/27.4 |
| C5982 | 4030007020 | S.CER C1608 CH 1H 120J-T | T | 23.4/26.7 |
| C5983 | 4030009520 | S.CER C1608 CH 1H 020B-T | T | 23.4/24 |
| C5984 | 4030007050 | S.CER C1608 CH 1H 220J-T | T | 25.5/27.5 |
| C5985 | 4030009530 | S.CER C1608 CH 1H 030B-T | T | 25.5/26.2 |
| C5986 | 4030009990 | S.CER C1608 CH 1H 200J-T | T | 27.5/26.8 |
| J5001 | 6510022581 | S.CNR 24FMN-BMTTR-A-TBT (LF) (SN) | T | 78/6.5 |
| W5201 | 8970021851 | WIR 62/99/300/C24/C31 | | |
| W5601 | 8970024241 | WIR 62/99/140/C24/C31 | | |
| W5801 | 8970024690 | WIR 62/99/180/C24/C31 | | |

[PA UNIT]

| REF NO. | ORDER NO. | DESCRIPTION | M. | H/V LOCATION |
|---------|------------|------------------------------|----|--------------|
| IC6501 | 1110005450 | S.IC TS522IDT | T | 112.5/15.7 |
| IC6601 | 1180001251 | S.IC TA7808F (TE16L,Q) | T | 119.9/77.5 |
| Q6101 | 1560001241 | S.FET RD01MUS1-T113 | T | 169.9/48.1 |
| Q6401 | 1590003040 | TR SD1487 | | |
| Q6402 | 1590003040 | TR SD1487 | | |
| Q6403 | 1540000501 | TR 2SD1585-AZ K | | |
| Q6601 | 1510001040 | S.TR 2SA1037AKT146S | T | 143.8/68.6 |
| Q6602 | 1590000680 | S.TR DTC114EUA T106 | T | 139.5/72.7 |
| Q6701 | 1590000680 | S.TR DTC114EUA T106 | T | 151.3/27.2 |
| Q6801 | 1590003050 | S.FET PD55003 | T | 158/58 |
| D6701 | 1160000140 | S.DIO DAP222 TL | T | 151.5/29.9 |
| L6101 | 6200003840 | S.COL MLF2012D R22K-T | T | 178.5/45.5 |
| L6102 | 6180000990 | COL LAL 04NA 101K | | |
| L6202 | 6180001240 | COL LAL 04NA 820K | | |
| L6204 | 2040000490 | COL EXC-ELDR25C | | |
| L6301 | 6140003720 | COL LR-416 | | |
| L6303 | 2040000490 | COL EXC-ELDR25C | | |
| L6401 | 2040000490 | COL EXC-ELDR25C | | |
| L6402 | 2040000490 | COL EXC-ELDR25C | | |
| L6403 | 2040000490 | COL EXC-ELDR25C | | |
| L6404 | 6140003590 | COL LR-400 | | |
| L6405 | 6140003350 | COL LR-376 | | |
| L6406 | 6190001710 | COL SK-10M-15X2Y | | |
| L6407 | 2040000490 | COL EXC-ELDR25C | | |
| L6408 | 6110001730 | COL LA-262 | | |
| L6501 | 6200003261 | S.COL NLV32T-101J | T | 101/13.5 |
| L6701 | 6200003590 | S.COL EXCCL3225U1 | T | 113.2/6.5 |
| L6702 | 6200002041 | S.COL NLV25T-101J | T | 85/9.2 |
| L6703 | 6200003241 | S.COL NLV32T-221J | T | 177.7/24.9 |
| L6704 | 6200003241 | S.COL NLV32T-221J | T | 180.7/24.9 |
| L6705 | 6200008820 | S.COL HF70ACC 635050-T | T | 180/31.6 |
| L6706 | 6200003241 | S.COL NLV32T-221J | T | 171.1/15.6 |
| L6707 | 6200003950 | S.COL HF50ACC 322513-T | T | 88.3/13.3 |
| L6708 | 6200003950 | S.COL HF50ACC 322513-T | T | 80.3/6.3 |
| R6101 | 7030003270 | S.RES ERJ3GEYJ 390 V (39) | T | 178.7/42.5 |
| R6102 | 7030003350 | S.RES ERJ3GEYJ 181 V (180) | T | 180.6/41.8 |
| R6103 | 7030003350 | S.RES ERJ3GEYJ 181 V (180) | T | 180.6/43.3 |
| R6104 | 7030003300 | S.RES ERJ3GEYJ 680 V (68) | T | 176.4/47.1 |
| R6105 | 7030003480 | S.RES ERJ3GEYJ 222 V (2.2 k) | T | 174.6/47.6 |
| R6106 | 7030003520 | S.RES ERJ3GEYJ 472 V (4.7 k) | T | 174.6/49.7 |
| R6107 | 7030003420 | S.RES ERJ3GEYJ 681 V (680) | T | 173.3/49.7 |
| R6109 | 7030003400 | S.RES ERJ3GEYJ 471 V (470) | T | 172.4/51.6 |
| R6110 | 7030000210 | S.RES MCR10EZHJ 39 | T | 171.8/54.5 |
| R6111 | 7030000210 | S.RES MCR10EZHJ 39 | T | 171.3/56.3 |
| R6112 | 7030000210 | S.RES MCR10EZHJ 39 | T | 171.2/58 |
| R6201 | 7030000250 | S.RES MCR10EZHJ 82 | T | 164.7/50.6 |
| R6202 | 7030003510 | S.RES ERJ3GEYJ 392 V (3.9 k) | T | 164.2/46.5 |
| R6203 | 7030003520 | S.RES ERJ3GEYJ 472 V (4.7 k) | T | 165/48.4 |
| R6204 | 7030010800 | S.RES ERJ1TYJ 2R7U (2.7) | T | 153.7/45.1 |
| R6206 | 7030000340 | S.RES MCR10EZHJ 470 | T | 152.7/71.5 |
| R6301 | 7030000260 | S.RES MCR10EZHJ 100 | T | 146.2/48.4 |
| R6302 | 7030003480 | S.RES ERJ3GEYJ 222 V (2.2 k) | T | 146.7/44.5 |
| R6303 | 7030003450 | S.RES ERJ3GEYJ 122 V (1.2 k) | T | 146.7/42.5 |
| R6304 | 7310005080 | S.TRI RH03ADCN3X (3.3 k) | T | 149.5/40 |
| R6401 | 7030010260 | S.RES ERJ1TYJ 3R3 U | T | 92.5/17.5 |
| R6402 | 7030010260 | S.RES ERJ1TYJ 3R3 U | T | 92.5/21.5 |
| R6403 | 7030010260 | S.RES ERJ1TYJ 3R3 U | T | 93/25.5 |
| R6404 | 7030010260 | S.RES ERJ1TYJ 3R3 U | T | 92.5/72.5 |
| R6405 | 7030010260 | S.RES ERJ1TYJ 3R3 U | T | 92.5/68.5 |
| R6406 | 7030010260 | S.RES ERJ1TYJ 3R3 U | T | 92.9/64.5 |
| R6407 | 7030001010 | S.RES MCR50JZHJ 10 | T | 82.8/31.5 |
| R6408 | 7030001010 | S.RES MCR50JZHJ 10 | T | 82.7/56.9 |
| R6409 | 7070000371 | RES ERX2SJ 2R2 (2.2) | | |
| R6410 | 7070000371 | RES ERX2SJ 2R2 (2.2) | | |
| R6411 | 7070000521 | RES ERX3SJ 2R2 (2.2) | | |
| R6412 | 7310005140 | S.TRI RH03ADCJ3X (2.2 k) | T | 127.9/20.6 |
| R6413 | 7030000300 | S.RES MCR10EZHJ 220 | T | 132.8/19 |
| R6502 | 7030005981 | S.RES ERA3YED 333V (33 k) | T | 119.7/13.2 |
| R6503 | 7030005981 | S.RES ERA3YED 333V (33 k) | T | 118.7/16.7 |
| R6504 | 7030005971 | S.RES ERA3YKD 683V (68 k) | T | 120.5/19.7 |
| R6505 | 7030005971 | S.RES ERA3YKD 683V (68 k) | T | 117.5/18.2 |
| R6507 | 7030003840 | S.RES ERJ3GEYJ 225 V (2.2 M) | T | 116.7/13 |
| R6509 | 7030003320 | S.RES ERJ3GEYJ 101 V (100) | T | 114.5/12.2 |
| R6513 | 7030003740 | S.RES ERJ3GEYJ 334 V (330 k) | T | 107.7/15.6 |
| R6515 | 7030003520 | S.RES ERJ3GEYJ 472 V (4.7 k) | T | 103.9/13.9 |
| R6516 | 7310005020 | S.TRI RH03ADC14X (10 k) | T | 116.2/23.4 |
| R6518 | 7030003680 | S.RES ERJ3GEYJ 104 V (100 k) | T | 103/18.5 |
| R6602 | 7030003520 | S.RES ERJ3GEYJ 472 V (4.7 k) | T | 140.6/70.8 |
| R6603 | 7030003520 | S.RES ERJ3GEYJ 472 V (4.7 k) | T | 140.5/68.6 |
| R6604 | 7030003580 | S.RES ERJ3GEYJ 153 V (15 k) | T | 137.3/71.8 |
| R6651 | 7120000510 | RES LR20DT10 5L0 | | |
| R6652 | 7120000510 | RES LR20DT10 5L0 | | |
| R6653 | 7120000510 | RES LR20DT10 5L0 | | |
| R6654 | 7120000510 | RES LR20DT10 5L0 | | |

M.=Mounted side (T: Mounted on the Top side, B: Mounted on the Bottom side)

S.=Surface mount

[PA UNIT]

| REF NO. | ORDER NO. | DESCRIPTION | M. | H/V LOCATION |
|---------|------------|------------------------------|----|--------------|
| R6702 | 7030003520 | S.RES ERJ3GEYJ 472 V (4.7 k) | T | 61.7/7.7 |
| R6704 | 7030003480 | S.RES ERJ3GEYJ 222 V (2.2 k) | T | 64.5/7 |
| R6801 | 7030003410 | S.RES ERJ3GEYJ 561 V (560) | T | 156.2/67.5 |
| R6802 | 7030004050 | S.RES ERJ3GEYJ 1R0 V (1) | T | 167.2/57.5 |
| C6101 | 4030007120 | S.CER C1608 CH 1H 820J-T | T | 180.6/44.6 |
| C6102 | 4030007120 | S.CER C1608 CH 1H 820J-T | T | 180.6/46.4 |
| C6103 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 176.4/46.3 |
| C6104 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 176.4/48.9 |
| C6105 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 173.3/47.1 |
| C6106 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 176.4/50.4 |
| C6108 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 166.4/46.4 |
| C6109 | 4030005110 | S.CER C2012 JB 1E 473K-T | T | 175.6/53 |
| C6201 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 167/50.1 |
| C6202 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 162.9/47.6 |
| C6203 | 4030004750 | S.CER C2012 JB 1H 103K-T | T | 158.5/47 |
| C6205 | 4030008700 | S.CER GRM21BB11H473KA01L | T | 149.7/48 |
| C6206 | 4030008700 | S.CER GRM21BB11H473KA01L | T | 145.5/74.2 |
| C6301 | 4030008960 | S.CER C2012 JB 1C 104K-T | T | 147.2/52.7 |
| C6302 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 146.7/45.5 |
| C6303 | 4510009370 | ELE 16 ME 470 CZ | | |
| C6305 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 110.3/60.2 |
| C6306 | 4510006640 | ELE 16 ME 1000 CZ | | |
| C6307 | 4320001210 | S.MIC UC552H 6800J-T | T | 123.2/42.7 |
| C6308 | 4030011790 | S.CER GRM55RF52A684ZD01L | T | 123.4/57.1 |
| C6401 | 4030011760 | S.CER GRM55R1X2D682JV01L | T | 93/33.5 |
| C6403 | 4030011760 | S.CER GRM55R1X2D682JV01L | T | 93/56.5 |
| C6408 | 4030018370 | S.CER ERF22X 6C1H 102J D01L | T | 63.2/44.9 |
| C6409 | 4030018370 | S.CER ERF22X 6C1H 102J D01L | T | 66.5/44.9 |
| C6410 | 4030018230 | S.CER ERF22X 6C2D 221JD | T | 71.5/44.9 |
| C6412 | 4510006640 | ELE 16 ME 1000 CZ | | |
| C6413 | 4510006640 | ELE 16 ME 1000 CZ | | |
| C6414 | 4030004740 | S.CER C2012 JB 1H 472K-T | T | 3.6/19 |
| C6415 | 4030011790 | S.CER GRM55RF52A684ZD01L | T | 16.7/21.3 |
| C6416 | 4030008920 | S.CER C1608 JB 1H 473K-T | T | 125/24.5 |
| C6417 | 4510006640 | ELE 16 ME 1000 CZ | | |
| C6418 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 125/23.2 |
| C6419 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 131.2/12 |
| C6424 | 4030018370 | S.CER ERF22X 6C1H 102J D01L | T | 93.4/45 |
| C6427 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 149/24.5 |
| C6428 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 83.7/81.3 |
| C6432 | 4030011740 | S.CER GRM32N2C2H201JV01L | T | 60.9/13.3 |
| C6433 | 4030011740 | S.CER GRM32N2C2H201JV01L | T | 59.2/78.8 |
| C6501 | 4030007130 | S.CER C1608 CH 1H 101J-T | T | 116.7/16 |
| C6503 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 111.2/12.2 |
| C6602 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 139.1/68.6 |
| C6603 | 4510009370 | ELE 16 ME 470 CZ | | |
| C6604 | 4510009330 | S.ELE EEEHA1E470WP | T | 104.5/72.5 |
| C6605 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 109.7/76 |
| C6606 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 109.7/79 |
| C6607 | 4510009330 | S.ELE EEEHA1E470WP | T | 104.7/80.2 |
| C6608 | 4030008700 | S.CER GRM21BB11H473KA01L | T | 55.1/6.7 |
| C6609 | 4510009390 | ELE 16 ME 2200 CZ | | |
| C6610 | 4030017320 | S.CER GRM21BB11H104KA11L | T | 7.8/77.8 |
| C6611 | 4030004740 | S.CER C2012 JB 1H 472K-T | T | 7.8/75.5 |
| C6612 | 4030004720 | S.CER C2012 JB 1H 102K-T | T | 10.5/79.2 |
| C6701 | 4030008920 | S.CER C1608 JB 1H 473K-T | T | 149.1/30.6 |
| C6702 | 4030008920 | S.CER C1608 JB 1H 473K-T | T | 59.8/8.4 |
| C6703 | 4030008920 | S.CER C1608 JB 1H 473K-T | T | 64.5/5.5 |
| C6704 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 85.6/11.2 |
| C6705 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 110.2/6.5 |
| C6706 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 165.5/6.1 |
| C6707 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 181.7/26.1 |
| C6708 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 186.7/34.6 |
| C6710 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 186.5/37.3 |
| C6711 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 178.2/20.0 |
| C6712 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 163.5/6.7 |
| C6713 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 167.3/6.8 |
| C6714 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 163.5/5.4 |
| C6715 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 168.2/8.1 |
| C6716 | 4030007130 | S.CER C1608 CH 1H 101J-T | T | 179.6/20.3 |
| C6717 | 4030007130 | S.CER C1608 CH 1H 101J-T | T | 187.9/37.3 |
| C6718 | 4030007130 | S.CER C1608 CH 1H 101J-T | T | 181.7/24.7 |
| C6719 | 4030007130 | S.CER C1608 CH 1H 101J-T | T | 186.8/31.6 |
| C6801 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 159/67.5 |
| RL6701 | 6330001470 | RLY AJS1311 | | |
| J6301 | 6510021531 | CNR IMSA-9230B-1-04Z024-PT1 | | |
| J6302 | 6510021531 | CNR IMSA-9230B-1-04Z024-PT1 | | |
| J6401 | 6510007020 | CNR TMP-J01X-V6 | | |
| J6411 | 6510021391 | CNR IMSA-9230B-1-03Z024-PT1 | | |
| J6412 | 6510021391 | CNR IMSA-9230B-1-03Z024-PT1 | | |
| J6701 | 6510022541 | S.CNR 20FMN-BMTTR-A-TBT (LF) | T | 98/8.1 |
| J6702 | 6510007020 | CNR TMP-J01X-V6 | | |
| J6703 | 6510003400 | CNR B04B-EH-S | | |
| F6701 | 5210000061 | FUS FGB 5A PBF (FGB0 125V) | | |
| F6702 | 5220000230 | HOL S-N5054 | | |

[PA UNIT]

| REF NO. | ORDER NO. | DESCRIPTION | M. | H/V LOCATION |
|---------|------------|-----------------------|----|--------------|
| F6703 | 5220000230 | HOL S-N5054 | | |
| S6701 | 6910011800 | TML OHD3-130M | | |
| W6401 | 9054500690 | WIR 76/98/020/X98/X98 | | |
| W6402 | 9054500690 | WIR 76/98/020/X98/X98 | | |
| W6601 | 9062700030 | WIR 77/98/040/X98/X98 | | |
| EP6601 | 6910000630 | BEA FSRH070140RN000B | | |
| EP6602 | 6510018330 | TER F4053A | | |
| EP6603 | 6510018330 | TER F4053A | | |
| EP6701 | 6910012350 | S.BEA MMZ1608Y 102BT | T | 95.6/12 |
| EP6702 | 6910012350 | S.BEA MMZ1608Y 102BT | T | 94.9/13.3 |
| EP6703 | 6910012350 | S.BEA MMZ1608Y 102BT | T | 97.6/13.5 |
| EP6704 | 6910012350 | S.BEA MMZ1608Y 102BT | T | 84.7/7.3 |
| EP6705 | 6910012350 | S.BEA MMZ1608Y 102BT | T | 103.3/16.4 |
| EP6706 | 6910012350 | S.BEA MMZ1608Y 102BT | T | 162.9/9.8 |
| EP6707 | 6910012350 | S.BEA MMZ1608Y 102BT | T | 165.6/10.1 |
| EP6708 | 6910012350 | S.BEA MMZ1608Y 102BT | T | 164.3/9.8 |
| EP6709 | 6910012350 | S.BEA MMZ1608Y 102BT | T | 86.6/5.5 |
| EP6710 | 6910012350 | S.BEA MMZ1608Y 102BT | T | 166.9/10.1 |

[DRIVER BOARD]

| REF NO. | ORDER NO. | DESCRIPTION | M. | H/V LOCATION |
|---------|------------|--------------------------|----|--------------|
| Q6851 | 1590003060 | S.FET PD55015 | T | 9.7/20 |
| R6851 | 7030010520 | S.RES ERJ1TYJ 101U (100) | T | 8.2/13.1 |
| R6852 | 7030000020 | S.RES MCR10EZJH 1 | T | 1.9/15.4 |
| C6851 | 4030004750 | S.CER C2012 JB 1H 103K-T | T | 14.1/14.1 |

[VARISTOR-1 BOARD]

| REF NO. | ORDER NO. | DESCRIPTION | M. | H/V LOCATION |
|---------|------------|--------------------------|----|--------------|
| D6431 | 1790001760 | S.VSR MA30-(TX) | T | 3.4/13.5 |
| C6431 | 4030008920 | S.CER C1608 JB 1H 473K-T | T | 3.7/11.7 |

[VRISTOR-2 BOARD]

| REF NO. | ORDER NO. | DESCRIPTION | M. | H/V LOCATION |
|---------|------------|--------------------------|----|--------------|
| D6432 | 1790001760 | S.VSR MA30-(TX) | T | 3.7/13.6 |
| C6432 | 4030008920 | S.CER C1608 JB 1H 473K-T | T | 3.8/11.7 |

M.=Mounted side (T: Mounted on the Top side, B: Mounted on the Bottom side)
S.=Surface mount

[FILTER UNIT]

| REF NO. | ORDER NO. | DESCRIPTION | M. | H/V LOCATION |
|---------|------------|------------------------------|----|--------------|
| Q7301 | 1590000680 | S.TR DTC114EUA T106 | B | 139.2/88.4 |
| D7271 | 1750000191 | S.DIO 1SS322 (TE85R F) | B | 161.2/81.9 |
| D7272 | 1750000191 | S.DIO 1SS322 (TE85R F) | B | 161.2/85.5 |
| D7301 | 1750000550 | S.DIO 1SS355 TE-17 | B | 136.2/92.4 |
| L7031 | 6200002041 | S.COL NLV25T-101J | B | 156.5/59.6 |
| L7035 | 6200002041 | S.COL NLV25T-101J | B | 148.5/4.5 |
| L7036 | 6140002240 | COL LR-236 (T68-2) | | |
| L7037 | 6140001990 | COL LR-226 (T68-2) | | |
| L7038 | 6140002000 | COL LR-227 (T68-2) | | |
| L7061 | 6200002041 | S.COL NLV25T-101J | B | 115.4/64.3 |
| L7065 | 6200002041 | S.COL NLV25T-101J | B | 128.2/14.9 |
| L7066 | 6140002340 | COL LR-263 (T68-2) | | |
| L7067 | 6140002230 | COL LR-235 (T68-2) | | |
| L7068 | 6140002240 | COL LR-236 (T68-2) | | |
| L7091 | 6200002041 | S.COL NLV25T-101J | B | 96.1/83.8 |
| L7095 | 6200002041 | S.COL NLV25T-101J | B | 110.9/15.5 |
| L7096 | 6140002260 | COL LR-238 (T68-2) | | |
| L7097 | 6140002230 | COL LR-235 (T68-2) | | |
| L7098 | 6140002230 | COL LR-235 (T68-2) | | |
| L7121 | 6200002041 | S.COL NLV25T-101J | B | 79.7/80.8 |
| L7125 | 6200002041 | S.COL NLV25T-101J | B | 96.2/16 |
| L7126 | 6140002260 | COL LR-238 (T68-2) | | |
| L7127 | 6140002340 | COL LR-263 (T68-2) | | |
| L7128 | 6140002340 | COL LR-263 (T68-2) | | |
| L7151 | 6200005051 | S.COL NLV25T-330J | B | 64.5/82.4 |
| L7155 | 6200005051 | S.COL NLV25T-330J | B | 75/16.8 |
| L7156 | 6140002280 | COL LR-241 (T68-6) | | |
| L7157 | 6140002250 | COL LR-237 (T68-2) | | |
| L7158 | 6140002250 | COL LR-237 (T68-2) | | |
| L7181 | 6200005051 | S.COL NLV25T-330J | B | 50.4/89.7 |
| L7182 | 6140003580 | COL LR-399 | | |
| L7183 | 6140003570 | COL LR-398 | | |
| L7184 | 6140003570 | COL LR-398 | | |
| L7185 | 6200005051 | S.COL NLV25T-330J | B | 57.9/17.6 |
| L7211 | 6200005011 | S.COL NLV25T-100J | B | 47.3/89 |
| L7215 | 6200005011 | S.COL NLV25T-100J | B | 23.1/30.4 |
| L7216 | 6140003570 | COL LR-398 | | |
| L7217 | 6140003570 | COL LR-398 | | |
| L7218 | 6140003570 | COL LR-398 | | |
| L7241 | 6200005011 | S.COL NLV25T-100J | B | 6.3/75.3 |
| L7244 | 6200005011 | S.COL NLV25T-100J | B | 16.6/30.5 |
| L7245 | 6140003780 | COL LR-437 | | |
| L7246 | 6140003780 | COL LR-437 | | |
| L7248 | 6140003780 | COL LR-437 | | |
| L7271 | 6200002041 | S.COL NLV25T-101J | B | 170.9/80.5 |
| L7272 | 6140003490 | COL LR-391 | | |
| L7273 | 6200002041 | S.COL NLV25T-101J | B | 170.9/87.6 |
| L7321 | 6140001460 | COL LR-170 | | |
| L7331 | 6200002041 | S.COL NLV25T-101J | B | 24.5/4.6 |
| L7332 | 6200002041 | S.COL NLV25T-101J | B | 24.4/10.6 |
| R7271 | 7030003560 | S.RES ERJ3GEYJ 103 V (10 k) | B | 167.5/81.6 |
| R7272 | 7030003490 | S.RES ERJ3GEYJ 272 V (2.7 k) | B | 166.7/79.4 |
| R7273 | 7030003520 | S.RES ERJ3GEYJ 472 V (4.7 k) | B | 163.9/79.4 |
| R7274 | 7030008190 | S.RES ERJ12YJ330U (33) | B | 155.4/83.7 |
| R7275 | 7030003560 | S.RES ERJ3GEYJ 103 V (10 k) | B | 167.5/85.8 |
| R7276 | 7030003490 | S.RES ERJ3GEYJ 272 V (2.7 k) | B | 166.7/88.8 |
| R7277 | 7030003520 | S.RES ERJ3GEYJ 472 V (4.7 k) | B | 163.9/88.8 |
| R7301 | 7030003200 | S.RES ERJ3GEYJ 100 V (10) | B | 131.3/95.5 |
| R7314 | 7540000250 | ABS SA05C 401N | | |
| R7315 | 7030010650 | S.RES ERJ12YJ823U (82 k) | B | 159.1/99.4 |
| C7031 | 4510009360 | ELE 50 ME 1 CZ | | |
| C7032 | 4030011600 | S.CER C1608 JB 1E 104K-T | B | 148.9/6.5 |
| C7033 | 4320001220 | S.MIC UC522H 1001J-T | B | 157.6/18.8 |
| C7034 | 4010006410 | CER HM13SJ SL 471J 500V | | |
| C7035 | 4010006410 | CER HM13SJ SL 471J 500V | | |
| C7036 | 4320001220 | S.MIC UC522H 1001J-T | B | 164.4/32.5 |
| C7037 | 4010005360 | CER HM11SJ SL 301J 500V | | |
| C7038 | 4010005880 | CER HM95SJ SL 271J 500V | | |
| C7039 | 4320001230 | S.MIC UC552H 1201J-T | B | 161.8/39.2 |
| C7041 | 4030011120 | S.CER GRM31M2C2H100JV01L | B | 178.5/42.5 |
| C7042 | 4010005930 | CER HM11SJ SL 391J 500V | | |
| C7043 | 4010005930 | CER HM11SJ SL 391J 500V | | |
| C7044 | 4010005930 | CER HM11SJ SL 391J 500V | | |
| C7045 | 4010005370 | CER HM11SJ SL 331J 500V | | |
| C7046 | 4030011600 | S.CER C1608 JB 1E 104K-T | B | 159.1/60.6 |
| C7049 | 4010005850 | CER HM95SJ SL 181J 500V | | |
| C7050 | 4320001230 | S.MIC UC552H 1201J-T | B | 160.7/26.2 |
| C7051 | 4320001230 | S.MIC UC552H 1201J-T | B | 166.5/45.7 |
| C7052 | 4030011740 | S.CER GRM32N2C2H201JV01L | B | 170/50.7 |
| C7061 | 4510009360 | ELE 50 ME 1 CZ | | |
| C7062 | 4030011600 | S.CER C1608 JB 1E 104K-T | B | 128.6/16.8 |
| C7063 | 4030011730 | S.CER GRM31M2C2H101JV01L | B | 144.2/25.7 |
| C7064 | 4010006410 | CER HM13SJ SL 471J 500V | | |
| C7065 | 4010006410 | CER HM13SJ SL 471J 500V | | |

[FILTER UNIT]

| REF NO. | ORDER NO. | DESCRIPTION | M. | H/V LOCATION |
|---------|------------|--------------------------|----|--------------|
| C7066 | 4010005370 | CER HM11SJ SL 331J 500V | | |
| C7067 | 4010005880 | CER HM95SJ SL 271J 500V | | |
| C7068 | 4010005880 | CER HM95SJ SL 271J 500V | | |
| C7069 | 4010005880 | CER HM95SJ SL 271J 500V | | |
| C7070 | 4030011730 | S.CER GRM31M2C2H101JV01L | B | 156/30.5 |
| C7071 | 4010006410 | CER HM13SJ SL 471J 500V | | |
| C7072 | 4010006410 | CER HM13SJ SL 471J 500V | | |
| C7073 | 4010006410 | CER HM13SJ SL 471J 500V | | |
| C7074 | 4010006410 | CER HM13SJ SL 471J 500V | | |
| C7075 | 4010005370 | CER HM11SJ SL 331J 500V | | |
| C7076 | 4010005370 | CER HM11SJ SL 331J 500V | | |
| C7077 | 4010005370 | CER HM11SJ SL 331J 500V | | |
| C7078 | 4010005930 | CER HM11SJ SL 391J 500V | | |
| C7079 | 4010006410 | CER HM13SJ SL 471J 500V | | |
| C7080 | 4030012480 | S.CER GRM31M2C2H121JV01L | B | 128.4/48.6 |
| C7081 | 4030012480 | S.CER GRM31M2C2H121JV01L | B | 125.7/48.6 |
| C7082 | 4010005930 | CER HM11SJ SL 391J 500V | | |
| C7083 | 4010005930 | CER HM11SJ SL 391J 500V | | |
| C7084 | 4030011550 | S.CER GRM31M2C2H680JV01L | B | 138.1/55.1 |
| C7085 | 4030011600 | S.CER C1608 JB 1E 104K-T | B | 118.3/61.9 |
| C7086 | 4030011120 | S.CER GRM31M2C2H100JV01L | B | 144.2/28.3 |
| C7087 | 4030012480 | S.CER GRM31M2C2H121JV01L | B | 152.3/29 |
| C7091 | 4510009360 | ELE 50 ME 1 CZ | | |
| C7092 | 4030006880 | S.CER C1608 JB 1H 472K-T | B | 111/17.5 |
| C7094 | 4010005370 | CER HM11SJ SL 331J 500V | | |
| C7095 | 4010005930 | CER HM11SJ SL 391J 500V | | |
| C7096 | 4010005930 | CER HM11SJ SL 391J 500V | | |
| C7098 | 4010005370 | CER HM11SJ SL 331J 500V | | |
| C7099 | 4010006410 | CER HM13SJ SL 471J 500V | | |
| C7100 | 4030011730 | S.CER GRM31M2C2H101JV01L | B | 106.6/67.2 |
| C7101 | 4010005360 | CER HM11SJ SL 301J 500V | | |
| C7102 | 4030006880 | S.CER C1608 JB 1H 472K-T | B | 102.8/85.3 |
| C7105 | 4010006410 | CER HM13SJ SL 471J 500V | | |
| C7106 | 4010005830 | CER HM74SJ SL 151J 500V | | |
| C7108 | 4010005370 | CER HM11SJ SL 331J 500V | | |
| C7121 | 4510009360 | ELE 50 ME 1 CZ | | |
| C7122 | 4030006880 | S.CER C1608 JB 1H 472K-T | B | 93.6/17.5 |
| C7124 | 4030012480 | S.CER GRM31M2C2H121JV01L | B | 82/29.4 |
| C7125 | 4010005930 | CER HM11SJ SL 391J 500V | | |
| C7126 | 4030011120 | S.CER GRM31M2C2H100JV01L | B | 85.1/41.7 |
| C7127 | 4030012480 | S.CER GRM31M2C2H121JV01L | B | 82.5/41.7 |
| C7128 | 4010005880 | CER HM95SJ SL 271J 500V | | |
| C7129 | 4010005360 | CER HM11SJ SL 301J 500V | | |
| C7130 | 4030011510 | S.CER GRM31M2C2H560JV01L | B | 86.8/67.2 |
| C7131 | 4030011070 | S.CER GRM31M2C2H5R0CY21L | B | 86.8/64.6 |
| C7132 | 4010005360 | CER HM11SJ SL 301J 500V | | |
| C7133 | 4030006880 | S.CER C1608 JB 1H 472K-T | B | 85.4/79.6 |
| C7136 | 4010005850 | CER HM95SJ SL 181J 500V | | |
| C7137 | 4030011730 | S.CER GRM31M2C2H101JV01L | B | 93.2/28.9 |
| C7151 | 4510009360 | ELE 50 ME 1 CZ | | |
| C7152 | 4030006880 | S.CER C1608 JB 1H 472K-T | B | 74/18.7 |
| C7153 | 4030014460 | S.CER GRM31M2C2H820JV01L | B | 69.2/39.8 |
| C7154 | 4010005930 | CER HM11SJ SL 391J 500V | | |
| C7155 | 4030012480 | S.CER GRM31M2C2H121JV01L | B | 72.5/55.1 |
| C7156 | 4030011120 | S.CER GRM31M2C2H100JV01L | B | 74.6/55.1 |
| C7157 | 4010005930 | CER HM11SJ SL 391J 500V | | |
| C7158 | 4030014460 | S.CER GRM31M2C2H820JV01L | B | 73.2/67.8 |
| C7160 | 4030006880 | S.CER C1608 JB 1H 472K-T | B | 67.8/79.5 |
| C7163 | 4010005850 | CER HM95SJ SL 181J 500V | | |
| C7164 | 4030014460 | S.CER GRM31M2C2H820JV01L | B | 65.8/28.6 |
| C7181 | 4510009360 | ELE 50 ME 1 CZ | | |
| C7182 | 4030006880 | S.CER C1608 JB 1H 472K-T | B | 63.3/18.7 |
| C7183 | 4030012480 | S.CER GRM31M2C2H121JV01L | B | 62.6/24.8 |
| C7184 | 4030012480 | S.CER GRM31M2C2H121JV01L | B | 53.1/28.8 |
| C7185 | 4010005880 | CER HM95SJ SL 271J 500V | | |
| C7186 | 4030011510 | S.CER GRM31M2C2H560JV01L | B | 53.1/40.6 |
| C7187 | 4010005370 | CER HM11SJ SL 331J 500V | | |
| C7188 | 4030011180 | S.CER GRM31M2C2H220JV01L | B | 50.6/68.8 |
| C7190 | 4030006880 | S.CER C1608 JB 1H 472K-T | B | 51/85 |
| C7193 | 4010005850 | CER HM95SJ SL 181J 500V | | |
| C7211 | 4510009360 | ELE 50 ME 1 CZ | | |
| C7212 | 4030006880 | S.CER C1608 JB 1H 472K-T | B | 25.7/35.3 |
| C7214 | 4030011240 | S.CER GRM31M2C2H470JV01L | B | 35.6/61.7 |
| C7216 | 4030011190 | S.CER GRM31M2C2H270JV01L | B | 33.1/75.9 |
| C7217 | 4030012480 | S.CER GRM31M2C2H121JV01L | B | 29/77.3 |
| C7218 | 4030006880 | S.CER C1608 JB 1H 472K-T | B | 44/85.3 |
| C7221 | 4030014460 | S.CER GRM31M2C2H820JV01L | B | 30.7/45.2 |
| C7222 | 4010005860 | CER HM95SJ SL 201J 500V | | |
| C7223 | 4030014460 | S.CER GRM31M2C2H820JV01L | B | 30.7/47.4 |
| C7224 | 4030011210 | S.CER GRM31M2C2H330JV01L | B | 30.3/65.8 |
| C7225 | 4030011190 | S.CER GRM31M2C2H270JV01L | B | 30.7/42.9 |
| C7241 | 4030006880 | S.CER C1608 JB 1H 472K-T | B | 15.3/35.1 |
| C7242 | 4030011730 | S.CER GRM31M2C2H101JV01L | B | 9.2/46.6 |
| C7243 | 4030011510 | S.CER GRM31M2C2H560JV01L | B | 9.2/48.9 |
| C7244 | 4030011180 | S.CER GRM31M2C2H220JV01L | B | 8.8/57.7 |
| C7247 | 4030011190 | S.CER GRM31M2C2H270JV01L | B | 16.3/65.6 |
| C7248 | 4030011210 | S.CER GRM31M2C2H330JV01L | B | 24.7/60.6 |
| C7249 | 4030011230 | S.CER GRM31M2C2H390JV01L | B | 24.2/65.8 |
| C7250 | 4030006880 | S.CER C1608 JB 1H 472K-T | B | 9.1/80.1 |
| C7253 | 4010005830 | CER HM74SJ SL 151J 500V | | |
| C7254 | 4030011180 | S.CER GRM31M2C2H220JV01L | | |

[FILTER UNIT]

| REF NO. | ORDER NO. | DESCRIPTION | M. | H/V LOCATION |
|---------|------------|----------------------------|----|--------------|
| C7272 | 4030006900 | S.CER C1608 JB 1H 103K-T | B | 159/80.3 |
| C7273 | 4030007090 | S.CER C1608 CH 1H 470J-T | B | 165.4/86.1 |
| C7274 | 4030006870 | S.CER C1608 JB 1H 222K-T | B | 159/87.1 |
| C7275 | 4610001340 | TRI ECR-LA010 A12 | | |
| C7277 | 4010005850 | CER HM95SJ SL 181J 500V | | |
| C7278 | 4030007090 | S.CER C1608 CH 1H 470J-T | B | 163.2/81.3 |
| C7301 | 4030006880 | S.CER C1608 JB 1H 472K-T | B | 136.3/90.7 |
| C7302 | 4030006880 | S.CER C1608 JB 1H 472K-T | B | 139.2/86.2 |
| C7303 | 4030006880 | S.CER C1608 JB 1H 472K-T | B | 137.1/88.4 |
| C7304 | 4030006880 | S.CER C1608 JB 1H 472K-T | B | 129.4/99.2 |
| C7321 | 4030011730 | S.CER GRM31M2C2H101JV01L | B | 163.9/74 |
| C7322 | 4030011170 | S.CER GRM31M2C2H180JV01L | B | 166.9/69.3 |
| C7323 | 4030011730 | S.CER GRM31M2C2H101JV01L | B | 169.7/74 |
| C7325 | 4030011790 | S.CER GRM55RF52A684ZD01L | B | 155.1/72.6 |
| C7332 | 4030006880 | S.CER C1608 JB 1H 472K-T | B | 22.1/10.5 |
| C7345 | 4030006880 | S.CER C1608 JB 1H 472K-T | B | 27.1/11.7 |
| RL7031 | 6330001570 | RLY AJS1315 | | |
| RL7032 | 6330001570 | RLY AJS1315 | | |
| RL7061 | 6330001570 | RLY AJS1315 | | |
| RL7062 | 6330001570 | RLY AJS1315 | | |
| RL7091 | 6330001570 | RLY AJS1315 | | |
| RL7092 | 6330001570 | RLY AJS1315 | | |
| RL7121 | 6330001570 | RLY AJS1315 | | |
| RL7122 | 6330001570 | RLY AJS1315 | | |
| RL7151 | 6330001570 | RLY AJS1315 | | |
| RL7152 | 6330001570 | RLY AJS1315 | | |
| RL7181 | 6330001570 | RLY AJS1315 | | |
| RL7182 | 6330001570 | RLY AJS1315 | | |
| RL7211 | 6330001570 | RLY AJS1315 | | |
| RL7212 | 6330001570 | RLY AJS1315 | | |
| RL7241 | 6330001570 | RLY AJS1315 | | |
| RL7242 | 6330001570 | RLY AJS1315 | | |
| RL7301 | 6330000781 | RLY AGP 2013F | | |
| J7001 | 6510007020 | CNR TMP-J01X-V6 | | |
| J7311 | 6510007020 | CNR TMP-J01X-V6 | | |
| J7331 | 6510022561 | CNR 16FMN-BTRK-A (LF) (SN) | | |
| W7321 | 8970024700 | WIR 62/99/360/C24/C31 | | |

[REG-DC UNIT]

| REF NO. | ORDER NO. | DESCRIPTION | M. | H/V LOCATION |
|---------|------------|-------------------------------------|----|--------------|
| IC301 | 1110003071 | S.IC μPC494GS-E1-A | T | 19.1/202.5 |
| IC302 | 1180002261 | S.IC TA78L12F (TE12L F) | T | 40.5/208.2 |
| IC401 | 1190002250 | S.IC TLP131 (GB-TPL F) | T | 49.4/111.9 |
| IC402 | 1190002220 | S.IC TLP141G (N F) | T | 55.7/112 |
| IC403 | 1110001241 | S.IC μPC358G2-T1-A | T | 54/69 |
| Q101 | 1590003610 | FET STP120NF10 | | |
| Q102 | 1590003610 | FET STP120NF10 | | |
| Q103 | 1590003610 | FET STP120NF10 | | |
| Q104 | 1590003610 | FET STP120NF10 | | |
| Q301 | 1510000801 | S.TR 2SA1213-Y (TE12R, CF) | T | 36.4/192.7 |
| Q302 | 1510000801 | S.TR 2SA1213-Y (TE12R, CF) | T | 37.7/200 |
| Q401 | 1510000771 | S.TR 2SA1586-GR (TE85R F) | T | 50.8/91.7 |
| D101 | 1710001230 | DIO S3V60-5000 | | |
| D102 | 1730002430 | S.ZEN MA8150-M (TX) | T | 37.2/196.2 |
| D103 | 1730002430 | S.ZEN MA8150-M (TX) | T | 38.4/203.4 |
| D201 | 1710001220 | DIO MUR3020WTG | | |
| D202 | 1710001220 | DIO MUR3020WTG | | |
| D203 | 1790001491 | DIO D1NL20U-5070 | | |
| D301 | 1750000291 | S.DIO 1SS300 (TE85R F) | T | 40.7/192.1 |
| D302 | 1750000291 | S.DIO 1SS300 (TE85R F) | T | 41.9/199.4 |
| D303 | 1790001250 | S.DIO MA2S111-(TX) | T | 10.9/194.4 |
| D304 | 1790001250 | S.DIO MA2S111-(TX) | T | 10.9/197.1 |
| D401 | 1730002320 | S.ZEN MA8051-M (TX) | T | 50.4/102.6 |
| D402 | 1790001250 | S.DIO MA2S111-(TX) | T | 48.4/102.4 |
| D403 | 1790001250 | S.DIO MA2S111-(TX) | T | 50.4/99.2 |
| D404 | 1790001250 | S.DIO MA2S111-(TX) | T | 48.4/99.2 |
| D405 | 1730002320 | S.ZEN MA8051-M (TX) | T | 55.3/62.5 |
| D406 | 1790001250 | S.DIO MA2S111-(TX) | T | 49.1/96.7 |
| D407 | 1790001250 | S.DIO MA2S111-(TX) | T | 51.7/97.5 |
| L101 | 6190001670 | COL FK-230N-1020H | | |
| L102 | 6190001670 | COL FK-230N-1020H | | [12 V] only |
| L201 | 6190001700 | COL HD3535-1928V | | |
| L202 | 6140004630 | COL LR-522 | | |
| L203 | 6140004630 | COL LR-522 | | |
| L221 | 6910000670 | COL BL01RN1A1D2B | | |
| L222 | 6910000670 | COL BL01RN1A1D2B | | |
| R101 | 7030003720 | S.RES ERJ3GEYJ 224 V (220 k) | T | 172.2/81.2 |
| R102 | 7070000321 | RES ERX1SJ 3R3 (3.3) | | |
| R103 | 7070000321 | RES ERX1SJ 3R3 (3.3) | | |
| R104 | 7070000251 | RES ERX2SJ 4R7 (4.7) | | |
| R105 | 7070000251 | RES ERX2SJ 4R7 (4.7) | | |
| R106 | 7070000321 | RES ERX1SJ 3R3 (3.3) | | |
| R107 | 7070000321 | RES ERX1SJ 3R3 (3.3) | | |
| R201 | 7070000601 | RES ERG2SJ 470 (47) | | |
| R202 | 7070000601 | RES ERG2SJ 470 (47) | | |
| R203 | 7070000601 | RES ERG2SJ 470 (47) | | |
| R204 | 7120000510 | RES LR20DT10 5L0 | | |
| R205 | 7120000510 | RES LR20DT10 5L0 | | |
| R301 | 7030003440 | S.RES ERJ3GEYJ 102 V (1 k) | T | 32.4/191.9 |
| R302 | 7030003440 | S.RES ERJ3GEYJ 102 V (1 k) | T | 33.3/199.2 |
| R303 | 7030003570 | S.RES ERJ3GEYJ 123 V (12 k) [12 V] | T | 12.4/203.6 |
| | 7030003620 | S.RES ERJ3GEYJ 333 V (33 k) [24 V] | T | 12.4/203.6 |
| R304 | 7030003520 | S.RES ERJ3GEYJ 472 V (4.7 k) [12 V] | T | 10.7/200.3 |
| | 7030003530 | S.RES ERJ3GEYJ 562 V (5.6 k) [24 V] | T | 10.7/200.3 |
| R305 | 7030003320 | S.RES ERJ3GEYJ 101 V (100) | T | 20.4/208.3 |
| R306 | 7030003520 | S.RES ERJ3GEYJ 472 V (4.7 k) | T | 12.4/206.8 |
| R307 | 7030003520 | S.RES ERJ3GEYJ 472 V (4.7 k) | T | 10.7/206.8 |
| R308 | 7030003440 | S.RES ERJ3GEYJ 102 V (1 k) | T | 16.3/208.3 |
| R309 | 7030003620 | S.RES ERJ3GEYJ 333 V (33 k) | T | 12.4/200.3 |
| R310 | 7030003490 | S.RES ERJ3GEYJ 272 V (2.7 k) | T | 23/196.7 |
| R311 | 7030003480 | S.RES ERJ3GEYJ 222 V (2.2 k) | T | 18.5/195.5 |
| R312 | 7030003610 | S.RES ERJ3GEYJ 273 V (27 k) | T | 55.7/120.2 |
| R313 | 7030003720 | S.RES ERJ3GEYJ 224 V (220 k) | T | 48.2/118.2 |
| R314 | 7030003550 | S.RES ERJ3GEYJ 822 V (8.2 k) [24 V] | T | 11.5/208.9 |
| | 7030003860 | S.RES ERJ3GE JPW V [12 V] | T | 11.5/208.9 |
| R315 | 7030003390 | S.RES ERJ3GEYJ 391 V (390) | T | 10.7/203.6 |
| R401 | 7030003430 | S.RES ERJ3GEYJ 821 V (820) | T | 48.1/105.9 |
| R402 | 7030003520 | S.RES ERJ3GEYJ 472 V (4.7 k) | T | 50.2/62.9 |
| R403 | 7030003720 | S.RES ERJ3GEYJ 224 V (220 k) | T | 52.5/63.7 |
| R404 | 7030003480 | S.RES ERJ3GEYJ 222 V (2.2 k) | T | 52.5/62.2 |
| R405 | 7030003420 | S.RES ERJ3GEYJ 681 V (680) | T | 52.4/106.6 |
| R406 | 7030003520 | S.RES ERJ3GEYJ 472 V (4.7 k) | T | 54.8/106.8 |
| R407 | 7030003450 | S.RES ERJ3GEYJ 122 V (1.2 k) | T | 57.5/62.2 |
| R408 | 7030003760 | S.RES ERJ3GEYJ 474 V (470 k) | T | 52/74.4 |
| R409 | 7030003520 | S.RES ERJ3GEYJ 472 V (4.7 k) | T | 47.8/74.4 |
| R410 | 7030003620 | S.RES ERJ3GEYJ 333 V (33 k) | T | 56.6/74.5 |
| R411 | 7030003400 | S.RES ERJ3GEYJ 471 V (470) | T | 57.1/65.1 |
| R412 | 7030003380 | S.RES ERJ3GEYJ 331 V (330) | T | 52.9/76.6 |
| R414 | 7030003530 | S.RES ERJ3GEYJ 562 V (5.6 k) | T | 39/47 |
| R415 | 7310005140 | S.TRI RH03ADCJ3X (2.2 k) | T | 39/43.8 |
| R416 | 7030003500 | S.RES ERJ3GEYJ 332 V (3.3 k) | T | 39/40.2 |
| R418 | 7520000120 | POS PTFM04BC222Q2N34B0 | | |
| R419 | 7030003640 | S.RES ERJ3GEYJ 473 V (47 k) | T | 56.2/96.4 |
| R420 | 7310005110 | S.TRI RH03ADCS2X (470) | T | 55.7/79.7 |

M.=Mounted side (T: Mounted on the Top side, B: Mounted on the Bottom side)
S.=Surface mount

[REG-DC UNIT]

| REF NO. | ORDER NO. | DESCRIPTION | M. | H/V LOCATION |
|---------|------------|-----------------------------|----|--------------|
| C101 | 4310000860 | MLR 50 F2D 474J | | |
| C102 | 4510007351 | ELE 35 ME 1000 AX | | |
| C103 | 4310000860 | MLR 50 F2D 474J | | |
| C104 | 4310000860 | MLR 50 F2D 474J | | |
| C105 | 4510008451 | ELE 35 ME 2200 AX | | |
| C107 | 4340000320 | S.MLR ECHU1H473JC9 | T | 119.3/188 |
| C108 | 4340000320 | S.MLR ECHU1H473JC9 | T | 123.2/202.5 |
| C110 | 4340000330 | S.MLR ECHU1H103J | T | 116/188.9 |
| C111 | 4340000330 | S.MLR ECHU1H103J | T | 126.3/201.7 |
| C112 | 4510007351 | ELE 35 ME 1000 AX | | |
| C113 | 4510007351 | ELE 35 ME 1000 AX | | |
| C114 | 4510007351 | ELE 35 ME 1000 AX | | |
| C115 | 4340000340 | S.MLR ECWU1103JX5 | T | 64.9/172.2 |
| C116 | 4340000340 | S.MLR ECWU1103JX5 | T | 88.4/172.2 |
| C117 | 4310001210 | MLR 250 MMB 473K | | |
| C118 | 4510007351 | ELE 35 ME 1000 AX | | |
| C119 | 4510007351 | ELE 35 ME 1000 AX | | |
| C120 | 4510007351 | ELE 35 ME 1000 AX | | |
| C121 | 4560000150 | CER 100 RPE210E | | |
| C122 | 4560000150 | CER 100 RPE210E | | |
| C123 | 4510009490 | ELE 35 ME 470 AX | | [12 V] only |
| C201 | 4340000340 | S.MLR ECWU1103JX5 | T | 74.1/35.2 |
| C202 | 4340000340 | S.MLR ECWU1103JX5 | T | 78.3/40.4 |
| C203 | 4340000340 | S.MLR ECWU1103JX5 | T | 85.5/40.4 |
| C204 | 4510009180 | ELE 25 ME 2700 AX | | |
| C205 | 4510009180 | ELE 25 ME 2700 AX | | |
| C206 | 4510009180 | ELE 25 ME 2700 AX | | |
| C207 | 4340000330 | S.MLR ECHU1H103J | T | 48.4/12.9 |
| C208 | 4340000330 | S.MLR ECHU1H103J | T | 53.8/21.8 |
| C209 | 4510009180 | ELE 25 ME 2700 AX | | |
| C210 | 4510009180 | ELE 25 ME 2700 AX | | |
| C211 | 4510009180 | ELE 25 ME 2700 AX | | |
| C212 | 4340000350 | S.MLR ECWU1C474JC9 | T | 27.6/22.4 |
| C213 | 4340000350 | S.MLR ECWU1C474JC9 | T | 8.5/34.4 |
| C301 | 4340000360 | S.MLR ECWU1H104JC9 | T | 35.5/208.6 |
| C302 | 4340000360 | S.MLR ECWU1H104JC9 | T | 7.5/201.5 |
| C303 | 4510007180 | ELE 50 ME 47 CZ | | |
| C304 | 4340000330 | S.MLR ECHU1H103J | T | 20.3/194.8 |
| C305 | 4340000330 | S.MLR ECHU1H103J | T | 16.5/194.7 |
| C306 | 4340000250 | S.MLR ECHU 1C 104JX5 | T | 13.4/194.7 |
| C307 | 4510008970 | S.ELE EEEHB1C100R | T | 7.6/194.6 |
| C308 | 4340000330 | S.MLR ECHU1H103J | T | 55.7/118.3 |
| C401 | 4340000250 | S.MLR ECHU 1C 104JX5 | T | 52/59.7 |
| C402 | 4340000380 | S.MLR ECHU1C473JX5 | T | 48.6/77 |
| C403 | 4510009330 | S.ELE EEEHA1E470WP | T | 47.4/69.1 |
| C404 | 4510008970 | S.ELE EEEHB1C100R | T | 55.2/102.9 |
| C405 | 4510009290 | S.ELE EEEHB1H1R0R | T | 34.6/44 |
| C407 | 4340000250 | S.MLR ECHU 1C 104JX5 | T | 54/91.3 |
| RL101 | 6330001830 | RLY ALF1P12 | | |
| RL102 | 6330001830 | RLY ALF1P12 | | |
| RL103 | 6330001830 | RLY ALF1P12 | | [12 V] only |
| J101 | 6510004980 | CNR RTB-1.5-4F | | |
| F101 | 5210000061 | FUS FGB 5A PBF (FGB0 125 V) | | |
| F102 | 5220000230 | HOL S-N5054 | | |
| F103 | 5220000230 | HOL S-N5054 | | |
| T101 | 5910001030 | TSM TP-74 (12V) | | [12 V] |
| | 5910001040 | TSM TP-75 (24V) | | [24 V] |
| EP101 | 6910010910 | TER PB-3-S | | |
| EP102 | 6910010910 | TER PB-3-S | | |
| EP104 | 6910010910 | TER PB-3-S | | |
| EP105 | 6910010910 | TER PB-3-S | | |
| EP106 | 6910010910 | TER PB-3-S | | |
| EP107 | 6910010910 | TER PB-3-S | | |
| EP201 | 6910011330 | TER OT-009 M3 | | |
| EP202 | 6910011330 | TER OT-009 M3 | | |
| EP205 | 6910011330 | TER OT-009 M3 | | |
| EP206 | 6910010910 | TER PB-3-S | | |
| EP207 | 6910011330 | TER OT-009 M3 | | |
| EP418 | 9029702901 | TUB IRRAX 0.7 (d) L=8 mm | | |

[DSP BOARD]

| REF NO. | ORDER NO. | DESCRIPTION | M. | H/V LOCATION |
|---------|------------|------------------------------|----|--------------|
| IC1 | 1130010011 | S.IC TC7WHU04FU (TE12K F) | T | 54.6/17 |
| IC3 | 1130010540 | S.IC SN74AHC74PWR | B | 51.9/12.2 |
| IC4 | 1130010540 | S.IC SN74AHC74PWR | B | 56.1/22.1 |
| IC51 | 1130010011 | S.IC TC7WHU04FU (TE12K F) | T | 31.7/15.1 |
| IC101 | 1130010520 | S.IC SN74HCT244APWR | T | 18.9/21.8 |
| IC102 | 1110004770 | S.IC BU9480F-E2 | B | 68.7/4.5 |
| IC152 | 1180002321 | S.REG TK11218CMCL-G | T | 77.8/46.9 |
| IC161 | 1180002020 | S.REG BA033FP-E2 | B | 64/43.1 |
| IC171 | 1180002271 | S.REG TK11250CMCL-G | T | 78.4/3.6 |
| IC201 | 1130012701 | S.IC AT49LV1024A-45VU | B | 41.4/37.8 |
| IC202 | 1130008041 | S.IC TC7SH04FU (TE85L,JF) | B | 51.1/40.5 |
| IC203 | 1130008811 | S.IC TC7SH32FU (TE85L,JF) | B | 52/30.3 |
| IC301 | 1140010330 | S.IC TMS320VC33PGEA120 | T | 41.1/32.9 |
| IC401 | 1130010550 | S.IC SN74AHC595PWR | T | 18.9/31.7 |
| IC403 | 1130010530 | S.IC SN74AHCT374PWR | B | 18.8/42.2 |
| IC404 | 1130010530 | S.IC SN74AHCT374PWR | B | 18.8/31.6 |
| IC405 | 1130004670 | S.IC BU4021BF-E2 | B | 19.1/22.9 |
| IC406 | 1130010540 | S.IC SN74AHC74PWR | T | 18.9/11.8 |
| IC501 | 1190001611 | S.IC AK4528VFP-E2/P | T | 64.5/25.6 |
| IC601 | 1110005420 | S.IC BA15532F-E2 | B | 74.7/42 |
| IC651 | 1110005420 | S.IC BA15532F-E2 | B | 75/31.1 |
| IC701 | 1110001901 | S.IC µPC4570G2-T1-A | B | 72.3/15.7 |
| IC801 | 1130010560 | S.IC SN74AHC244PWR | B | 17.9/10.3 |
| Q201 | 1590001660 | S.TR XP4312 (TX) | B | 41.3/31.2 |
| Q301 | 1590000430 | S.TR DTC144EUA T106 | T | 10.1/44.9 |
| Q302 | 1590000430 | S.TR DTC144EUA T106 | T | 10.1/47.4 |
| D301 | 1750000370 | S.DIO DA221 TL | T | 27.5/41.8 |
| D302 | 1750000370 | S.DIO DA221 TL | T | 28.1/45.3 |
| D303 | 1750000370 | S.DIO DA221 TL | T | 27.6/47.4 |
| D304 | 1750000370 | S.DIO DA221 TL | B | 34.5/22.5 |
| D901 | 1790000970 | S.DIO MA729 (TX) | T | 10.2/42.8 |
| X1 | 6050009860 | S.XTL CR-566 (12.288 MHz) | T | 50.4/11.4 |
| X51 | 6050011270 | S.XTL CR-709 (60.000 MHz) | T | 32.2/9.3 |
| L1 | 6200003281 | S.COL NLV25T-2R2J | T | 54.4/21.3 |
| L2 | 6200003281 | S.COL NLV25T-2R2J | B | 48.1/16.7 |
| L3 | 6200003281 | S.COL NLV25T-2R2J | B | 61.2/18.6 |
| L51 | 6200003281 | S.COL NLV25T-2R2J | T | 36.1/14.5 |
| L52 | 6200001981 | S.COL NLV25T-1R0J | T | 27.4/15.2 |
| L101 | 6200003281 | S.COL NLV25T-2R2J | T | 17.1/16.2 |
| L102 | 6200003281 | S.COL NLV25T-2R2J | T | 66.9/7.4 |
| L301 | 6200003281 | S.COL NLV25T-2R2J | B | 56.4/46.9 |
| L302 | 6200009840 | S.COL LQH32CN2R2M23L | B | 57.5/39.7 |
| L401 | 6200003281 | S.COL NLV25T-2R2J | T | 13.7/34.7 |
| L403 | 6200003281 | S.COL NLV25T-2R2J | B | 23.8/46.4 |
| L404 | 6200003281 | S.COL NLV25T-2R2J | B | 23.8/35.7 |
| L405 | 6200003281 | S.COL NLV25T-2R2J | B | 12.6/18.8 |
| L406 | 6200003281 | S.COL NLV25T-2R2J | T | 13.3/8.7 |
| L501 | 6200003281 | S.COL NLV25T-2R2J | T | 60.8/19 |
| L502 | 6200003281 | S.COL NLV25T-2R2J | T | 69.8/7.8 |
| L601 | 6200002041 | S.COL NLV25T-101J | T | 79.2/37.5 |
| L651 | 6200002041 | S.COL NLV25T-101J | T | 78.6/27 |
| L701 | 6200002041 | S.COL NLV25T-101J | T | 77.9/16.6 |
| L801 | 6200003281 | S.COL NLV25T-2R2J | B | 12.2/7.3 |
| R1 | 7030003800 | S.RES ERJ3GEYJ 105 V (1 M) | T | 50.5/14.7 |
| R2 | 7030003440 | S.RES ERJ3GEYJ 102 V (1 k) | T | 55.7/14.7 |
| R3 | 7030003640 | S.RES ERJ3GEYJ 473 V (47 k) | T | 58.4/20.4 |
| R4 | 7030003860 | S.RES ERJ3GE JPW V | T | 53/19.4 |
| R5 | 7030008240 | S.RES ERJ12YJ0R00U | B | 59.8/30.1 |
| R6 | 7030003860 | S.RES ERJ3GE JPW V | B | 58.8/16.1 |
| R7 | 7030008240 | S.RES ERJ12YJ0R00U | B | 58.8/4.5 |
| R8 | 7030003860 | S.RES ERJ3GE JPW V | T | 57.4/2.4 |
| R51 | 7030003800 | S.RES ERJ3GEYJ 105 V (1 M) | T | 30.5/12.6 |
| R52 | 7030003320 | S.RES ERJ3GEYJ 101 V (100) | T | 36.5/12.6 |
| R151 | 7030007240 | S.RES ERJ12YJ680U (68) | B | 82.3/44.1 |
| R152 | 7030008240 | S.RES ERJ12YJ0R00U | B | 77.3/5 |
| R153 | 7030003860 | S.RES ERJ3GE JPW V | T | 84.8/43.7 |
| R161 | 7030008190 | S.RES ERJ12YJ330U (33) | T | 66.1/45.6 |
| R162 | 7030007510 | S.RES ERJ12YJ270U (27) | T | 66.1/41.9 |
| R171 | 7030007180 | S.RES ERJ12YJ150U (15) | B | 83.4/6 |
| R172 | 7030008240 | S.RES ERJ12YJ0R00U | B | 78.4/9.9 |
| R201 | 7030003640 | S.RES ERJ3GEYJ 473 V (47 k) | B | 37.8/31.4 |
| R202 | 7030003860 | S.RES ERJ3GE JPW V | B | 37.5/43.9 |
| R203 | 7030003860 | S.RES ERJ3GE JPW V | B | 53.4/45.1 |
| R204 | 7030003860 | S.RES ERJ3GE JPW V | B | 58.2/26.5 |
| R302 | 7030003860 | S.RES ERJ3GE JPW V | B | 36.9/26.8 |
| R303 | 7030003480 | S.RES ERJ3GEYJ 222 V (2.2 k) | B | 48.2/22.7 |
| R304 | 7030003480 | S.RES ERJ3GEYJ 222 V (2.2 k) | B | 46.9/22.7 |
| R305 | 7030003560 | S.RES ERJ3GEYJ 103 V (10 k) | B | 47.1/26.2 |
| R306 | 7030003560 | S.RES ERJ3GEYJ 103 V (10 k) | B | 45.6/22.7 |
| R307 | 7030003560 | S.RES ERJ3GEYJ 103 V (10 k) | B | 42.7/22.7 |
| R308 | 7030003560 | S.RES ERJ3GEYJ 103 V (10 k) | B | 41.4/22.7 |
| R309 | 7030003560 | S.RES ERJ3GEYJ 103 V (10 k) | B | 40.1/22.7 |

M.=Mounted side (T: Mounted on the Top side, B: Mounted on the Bottom side)

S.=Surface mount

[DSP BOARD]

| REF NO. | ORDER NO. | DESCRIPTION | M. | H/V LOCATION |
|---------|------------|------------------------------|----|--------------|
| R310 | 7030003560 | S.RES ERJ3GEYJ 103 V (10 k) | B | 38.8/22.7 |
| R311 | 7030003560 | S.RES ERJ3GEYJ 103 V (10 k) | B | 38.9/26.8 |
| R312 | 7030003560 | S.RES ERJ3GEYJ 103 V (10 k) | B | 37.5/22.7 |
| R313 | 7030003560 | S.RES ERJ3GEYJ 103 V (10 k) | B | 36.2/22.7 |
| R317 | 7030003560 | S.RES ERJ3GEYJ 103 V (10 k) | T | 46.1/48.1 |
| R318 | 7030003560 | S.RES ERJ3GEYJ 103 V (10 k) | T | 43.6/46.2 |
| R320 | 7030003520 | S.RES ERJ3GEYJ 472 V (4.7 k) | B | 31/30.3 |
| R321 | 7030003520 | S.RES ERJ3GEYJ 472 V (4.7 k) | B | 31/31.6 |
| R322 | 7030003280 | S.RES ERJ3GEYJ 470 V (47) | B | 13.8/40.9 |
| R323 | 7030003560 | S.RES ERJ3GEYJ 103 V (10 k) | B | 28.2/45.4 |
| R324 | 7030003560 | S.RES ERJ3GEYJ 103 V (10 k) | B | 28.2/46.7 |
| R325 | 7030003560 | S.RES ERJ3GEYJ 103 V (10 k) | T | 54.8/43.1 |
| R326 | 7030003560 | S.RES ERJ3GEYJ 103 V (10 k) | T | 52.7/48.5 |
| R327 | 7030003560 | S.RES ERJ3GEYJ 103 V (10 k) | T | 25.8/43.1 |
| R328 | 7030003560 | S.RES ERJ3GEYJ 103 V (10 k) | T | 25.8/40.5 |
| R329 | 7030003440 | S.RES ERJ3GEYJ 102 V (1 k) | B | 30.9/20.1 |
| R330 | 7030003440 | S.RES ERJ3GEYJ 102 V (1 k) | B | 29.6/20.1 |
| R331 | 7030003440 | S.RES ERJ3GEYJ 102 V (1 k) | B | 13.7/11.8 |
| R332 | 7030003440 | S.RES ERJ3GEYJ 102 V (1 k) | T | 23.1/7.7 |
| R336 | 7030003860 | S.RES ERJ3GE JPW V | T | 55.4/23.8 |
| R337 | 7030003860 | S.RES ERJ3GE JPW V | B | 44.6/27 |
| R338 | 7030003860 | S.RES ERJ3GE JPW V | B | 43.3/27 |
| R339 | 7030003860 | S.RES ERJ3GE JPW V | B | 42/27 |
| R340 | 7030003860 | S.RES ERJ3GE JPW V | B | 50.9/43.3 |
| R341 | 7030003860 | S.RES ERJ3GE JPW V | T | 52.7/47.2 |
| R501 | 7030004040 | S.RES ERJ3GEYJ 47V (4.7) | T | 62.3/30.9 |
| R502 | 7030003860 | S.RES ERJ3GE JPW V | T | 58.1/25.6 |
| R503 | 7030003860 | S.RES ERJ3GE JPW V | T | 58.6/14 |
| R504 | 7030003860 | S.RES ERJ3GE JPW V | T | 64.8/12 |
| R505 | 7030003860 | S.RES ERJ3GE JPW V | T | 58.6/29.5 |
| R506 | 7030008240 | S.RES ERJ12YJ0R00U | T | 59.8/37.1 |
| R601 | 7030006581 | S.RES ERA3YED 122V (1.2 k) | T | 76.8/35.8 |
| R602 | 7030009591 | S.RES ERA3YED 472V (4.7 k) | T | 75.6/37.1 |
| R603 | 7030010450 | S.RES ERA3YED 391V (390) | T | 72/37.9 |
| R604 | 7030010450 | S.RES ERA3YED 391V (390) | B | 79.3/37.9 |
| R605 | 7030007230 | S.RES ERA3YED 102V (1 k) | B | 77.1/37.2 |
| R606 | 7030007230 | S.RES ERA3YED 102V (1 k) | B | 74.4/38.5 |
| R607 | 7030009591 | S.RES ERA3YED 472V (4.7 k) | T | 70.9/40.5 |
| R608 | 7030009591 | S.RES ERA3YED 472V (4.7 k) | T | 72.2/40.5 |
| R609 | 7030009591 | S.RES ERA3YED 472V (4.7 k) | B | 79.3/40.6 |
| R610 | 7030009591 | S.RES ERA3YED 472V (4.7 k) | B | 81.2/40.6 |
| R611 | 7030005331 | S.RES ERA3YED 562V (5.6 k) | B | 74.4/35.7 |
| R651 | 7030010450 | S.RES ERA3YED 391V (390) | B | 71.7/27.1 |
| R652 | 7030010450 | S.RES ERA3YED 391V (390) | B | 79.5/28.4 |
| R653 | 7030007230 | S.RES ERA3YED 102V (1 k) | B | 76.6/26.3 |
| R654 | 7030007230 | S.RES ERA3YED 102V (1 k) | B | 74/27.6 |
| R655 | 7030009591 | S.RES ERA3YED 472V (4.7 k) | B | 70.4/29.7 |
| R656 | 7030009591 | S.RES ERA3YED 472V (4.7 k) | T | 74.2/31 |
| R657 | 7030009591 | S.RES ERA3YED 472V (4.7 k) | B | 79.5/31 |
| R658 | 7030009591 | S.RES ERA3YED 472V (4.7 k) | B | 79.5/33.7 |
| R659 | 7030005331 | S.RES ERA3YED 562V (5.6 k) | B | 74/25 |
| R701 | 7030003520 | S.RES ERJ3GEYJ 472 V (4.7 k) | B | 70.5/24.3 |
| R702 | 7030003520 | S.RES ERJ3GEYJ 472 V (4.7 k) | B | 69.6/23 |
| R703 | 7030003500 | S.RES ERJ3GEYJ 332 V (3.3 k) | B | 74.2/21.1 |
| R704 | 7030003540 | S.RES ERJ3GEYJ 682 V (6.8 k) | B | 72.3/21.7 |
| R705 | 7030003500 | S.RES ERJ3GEYJ 332 V (3.3 k) | B | 69.6/21.7 |
| R706 | 7030003540 | S.RES ERJ3GEYJ 682 V (6.8 k) | B | 69.6/20.4 |
| R707 | 7030003440 | S.RES ERJ3GEYJ 102 V (1 k) | B | 67.7/22.5 |
| R708 | 7030003440 | S.RES ERJ3GEYJ 102 V (1 k) | T | 68.7/16.3 |
| R751 | 7030003520 | S.RES ERJ3GEYJ 472 V (4.7 k) | T | 65.4/17.5 |
| R752 | 7030003520 | S.RES ERJ3GEYJ 472 V (4.7 k) | T | 66.9/17.5 |
| R753 | 7030003500 | S.RES ERJ3GEYJ 332 V (3.3 k) | B | 73.1/19.5 |
| R754 | 7030003540 | S.RES ERJ3GEYJ 682 V (6.8 k) | B | 70.4/10.8 |
| R755 | 7030003500 | S.RES ERJ3GEYJ 332 V (3.3 k) | B | 65.3/13.7 |
| R756 | 7030003540 | S.RES ERJ3GEYJ 682 V (6.8 k) | B | 68.4/13.7 |
| R757 | 7030003440 | S.RES ERJ3GEYJ 102 V (1 k) | B | 65.3/15.4 |
| R758 | 7030003440 | S.RES ERJ3GEYJ 102 V (1 k) | B | 65.3/12.4 |
| R801 | 7030003680 | S.RES ERJ3GEYJ 104 V (100 k) | T | 6.7/6.8 |
| R802 | 7030003680 | S.RES ERJ3GEYJ 104 V (100 k) | T | 5.4/6.8 |
| R803 | 7030003680 | S.RES ERJ3GEYJ 104 V (100 k) | B | 22.5/7.3 |
| R804 | 7030003680 | S.RES ERJ3GEYJ 104 V (100 k) | B | 22/10.6 |
| R805 | 7030003680 | S.RES ERJ3GEYJ 104 V (100 k) | T | 16.9/5.8 |
| R901 | 7030003560 | S.RES ERJ3GEYJ 103 V (10 k) | T | 11.4/6.9 |
| R902 | 7030003560 | S.RES ERJ3GEYJ 103 V (10 k) | T | 10.1/6.9 |
| R903 | 7030003560 | S.RES ERJ3GEYJ 103 V (10 k) | T | 8/6.8 |
| R904 | 7030003560 | S.RES ERJ3GEYJ 103 V (10 k) | T | 13.9/11.8 |
| R905 | 7030003560 | S.RES ERJ3GEYJ 103 V (10 k) | T | 19.8/26.2 |
| R906 | 7030003560 | S.RES ERJ3GEYJ 103 V (10 k) | T | 12.3/16.2 |
| R907 | 7030003860 | S.RES ERJ3GE JPW V | T | 12.1/18.1 |
| R908 | 7030008240 | S.RES ERJ12YJ0R00U | T | 12.2/25.8 |
| R909 | 7030003860 | S.RES ERJ3GE JPW V | T | 11.5/20.3 |
| R910 | 7030003860 | S.RES ERJ3GE JPW V | B | 13.1/24 |
| C1 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 55.6/19.4 |
| C2 | 4030007060 | S.CER C1608 CH 1H 270J-T | T | 53.1/14.7 |
| C3 | 4030007060 | S.CER C1608 CH 1H 270J-T | T | 50.5/16.2 |
| C4 | 4030006880 | S.CER C1608 JB 1H 472K-T | B | 50.8/15.6 |
| C6 | 4030007090 | S.CER C1608 CH 1H 470J-T | T | 58.3/15.8 |
| C7 | 4030011600 | S.CER C1608 JB 1E 104K-T | B | 56.1/18.7 |
| C8 | 4030007010 | S.CER C1608 CH 1H 100D-T | T | 50.6/17.8 |
| C9 | 4030006960 | S.CER C1608 CH 1H 050C-T | B | 57/13.1 |

[DSP BOARD]

| REF NO. | ORDER NO. | DESCRIPTION | M. | H/V LOCATION |
|---------|------------|--------------------------|----|--------------|
| C51 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 31.5/17.6 |
| C52 | 4030009920 | S.CER C1608 CH 1H 050B-T | T | 27.7/12.6 |
| C53 | 4030009920 | S.CER C1608 CH 1H 050B-T | T | 33.3/12.6 |
| C54 | 4030006900 | S.CER C1608 JB 1H 103K-T | T | 27.9/17.6 |
| C101 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 19.8/17.5 |
| C102 | 4510008970 | S.ELE EEEHB1C100R | T | 61.9/2.6 |
| C103 | 4030011600 | S.CER C1608 JB 1E 104K-T | B | 66.7/8.1 |
| C104 | 4510008970 | S.ELE EEEHB1C100R | T | 67.1/3.3 |
| C154 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 75.1/48.3 |
| C155 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 78.6/44.2 |
| C156 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 75.1/45.4 |
| C157 | 4510008970 | S.ELE EEEHB1C100R | T | 72/46.3 |
| C158 | 4550006080 | S.TAN TEESVB2 1C 106M8R | T | 81.8/46.7 |
| C161 | 4550007320 | S.TAN F930J226MAABMA | T | 57.4/44.8 |
| C162 | 4030011600 | S.CER C1608 JB 1E 104K-T | B | 59.8/42.4 |
| C163 | 4030011600 | S.CER C1608 JB 1E 104K-T | B | 68.2/41.2 |
| C164 | 4510008970 | S.ELE EEEHB1C100R | T | 60.8/44.4 |
| C171 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 75.7/4.2 |
| C172 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 78.5/6.3 |
| C173 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 77.8/9 |
| C174 | 4510008970 | S.ELE EEEHB1C100R | T | 72.7/3.3 |
| C175 | 4510008970 | S.ELE EEEHB1C100R | T | 82.8/3.3 |
| C201 | 4030011600 | S.CER C1608 JB 1E 104K-T | B | 40.1/43.9 |
| C202 | 4030011600 | S.CER C1608 JB 1E 104K-T | B | 52.1/38.3 |
| C203 | 4030011600 | S.CER C1608 JB 1E 104K-T | B | 54.5/31.2 |
| C301 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 55.1/27.1 |
| C302 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 55.1/29.7 |
| C303 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 55.1/32.3 |
| C304 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 55.1/34.9 |
| C305 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 55.1/37.5 |
| C306 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 55.1/40.1 |
| C307 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 48.1/19.2 |
| C308 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 45.4/19.2 |
| C309 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 42.1/18.9 |
| C311 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 39.3/18.9 |
| C312 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 36.3/18.9 |
| C313 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 49.4/47.2 |
| C314 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 47.5/48.1 |
| C315 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 44.2/47.5 |
| C316 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 41.6/47.3 |
| C317 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 39/47.2 |
| C318 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 36.4/47.2 |
| C319 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 32.9/47.2 |
| C320 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 27.1/25.3 |
| C321 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 27.1/28.9 |
| C322 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 27.1/31.5 |
| C323 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 27.1/34.1 |
| C324 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 27.1/36.7 |
| C325 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 27.1/39.3 |
| C401 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 18.6/28 |
| C403 | 4030006880 | S.CER C1608 JB 1H 472K-T | B | 22.9/43.9 |
| C404 | 4030006880 | S.CER C1608 JB 1H 472K-T | B | 23/33 |
| C405 | 4030006880 | S.CER C1608 JB 1H 472K-T | B | 15.4/18 |
| C406 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 17/8.2 |
| C407 | 4030006880 | S.CER C1608 JB 1H 102K-T | B | 24.2/43.6 |
| C408 | 4030006880 | S.CER C1608 JB 1H 102K-T | B | 24/7.6 |
| C504 | 4510009340 | S.ELE EEEHB1H2R2R | T | 67.3/35.6 |
| C505 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 68/32.1 |
| C506 | 4550007320 | S.TAN F930J226MAABMA | T | 62.5/33.2 |
| C507 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 64.9/30.8 |
| C508 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 63.5/19.5 |
| C509 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 63.5/18 |
| C510 | 4550007320 | S.TAN F930J226MAABMA | T | 62.3/15.2 |
| C511 | 4030007050 | S.CER C1608 CH 1H 220J-T | B | 62.9/25.4 |
| C601 | 4510008970 | S.ELE EEEHB1C100R | T | 73/34.1 |
| C602 | 4030009980 | S.CER C1608 JB 1H 152K-T | B | 74.4/37.2 |
| C603 | 4030011600 | S.CER C1608 JB 1E 104K-T | B | 77.1/38.5 |
| C604 | 4510008970 | S.ELE EEEHB1C100R | T | 75.3/40.6 |
| C605 | 4030011600 | S.CER C1608 JB 1E 104K-T | B | 70.4/43.3 |
| C606 | 4510009290 | S.ELE EEEHB1H1R0R | T | 81.8/41.1 |
| C651 | 4030009980 | S.CER C1608 JB 1H 152K-T | B | 74/26.3 |
| C652 | 4030011600 | S.CER C1608 JB 1E 104K-T | B | 76.6/27.6 |
| C653 | 4510008970 | S.ELE EEEHB1C100R | T | 74.3/27 |
| C654 | 4030011600 | S.CER C1608 JB 1E 104K-T | B | 70.4/32.6 |
| C655 | 4510009290 | S.ELE EEEHB1H1R0R | T | 78.3/32.1 |
| C701 | 4030011280 | S.CER C1608 CH 1H 271J-T | B | 72.3/23 |
| C702 | 4030007130 | S.CER C1608 CH 1H 101J-T | B | 72.3/20.4 |
| C703 | 4030011600 | S.CER C1608 JB 1E 104K-T | B | 75.8/17.3 |
| C704 | 4510008970 | S.ELE EEEHB1C100R | T | 71.8/18.9 |
| C705 | 4030007130 | S.CER C1608 CH 1H 101J-T | B | 68.1/19.1 |
| C706 | 4030011600 | S.CER C1608 JB 1E 104K-T | B | 66.4/21 |
| C707 | 4510009340 | S.ELE EEEHA1C101WP | T | 72.6/12.9 |
| C708 | 4510008970 | S.ELE EEEHB1C100R | T | 77.8/22.4 |
| C751 | 4030011280 | S.CER C1608 CH 1H 271J-T | T | 66.1/15.5 |
| C752 | 4030007130 | S.CER C1608 CH 1H 101J-T | B | 73.1/10.8 |
| C755 | 4030007130 | S.CER C1608 CH 1H 101J-T | B | 68.4/12.4 |
| C756 | 4030011600 | S.CER C1608 JB 1E 104K-T | B | 65.3/11.1 |
| C757 | 4510009340 | S.ELE EEEHA1C101WP | T | 60.6/9.1 |
| C758 | 4510008970 | S.ELE EEEHB1C100R | T | 82.2/8.5 |
| C801 | 4030006880 | S.CER C1608 JB 1H 472K-T | B | 15.5/5.8 |
| C802 | 4030006880 | S.CER C1608 JB 1H 102K-T | T | 33.3/4.4 |
| C901 | 4030006880 | S.CER C1608 JB 1H 102K-T | B | 85.9/8.9 |

[DSP BOARD]

| REF NO. | ORDER NO. | DESCRIPTION | M. | H/V LOCATION |
|---------|------------|----------------------|----|--------------|
| J901 | 6910013900 | CNR IMSA-9180S-22A | | |
| J902 | 6910012460 | CNR IMSA-9180S-30A | | |
| EP2 | 6910012350 | S.BEA MMZ1608Y 102BT | B | 51.6/18.6 |

[CONNECT UNIT]

| REF NO. | ORDER NO. | DESCRIPTION | M. | H/V LOCATION |
|---------|------------|-----------------------|----|--------------|
| C6901 | 4030006860 | S.CER 0.001 C1608 B | T | 22.1/13.1 |
| C6902 | 4030006860 | S.CER 0.001 C1608 B | T | 24.6/13.1 |
| C6903 | 4030006860 | S.CER 0.001 C1608 B | T | 27.1/13 |
| C6904 | 4030006860 | S.CER 0.001 C1608 B | T | 29.6/13 |
| J6901 | 6510003401 | CNR B04B-EH-S(LF)(SN) | | |
| J6902 | 6510003401 | CNR B04B-EH-S(LF)(SN) | | |

[CHASSIS UNIT]

| REF NO. | ORDER NO. | DESCRIPTION | M. | H/V LOCATION |
|---------|------------|----------------------------|----|--------------|
| C4501 | 4310000860 | MYR 50 F2D 474J | | |
| J4501 | 6510000370 | CNR MR-DS | | |
| J4503 | 6510000370 | CNR MR-DS | | |
| S4501 | 2260002930 | SW AJ42100F | | |
| W4502 | 8900014480 | CBL OPC-1467 | | |
| W4503 | 8970024670 | CBL 1.5D COAXIAL TUBE/W17D | | |
| W4505 | 8900014550 | CBL OPC-1560 | | |
| W4506 | 8900014560 | CBL OPC-1561 | | |
| W4507 | 8900014570 | CBL OPC-1562 | | |
| W4508 | 8970024680 | CBL 1.5D COAXIAL TUBE/W17D | | |
| W4510 | 8900014490 | CBL OPC-1476 | | |
| W4511 | 8900014500 | CBL OPC-1492 | | |
| W4512 | 8900014510 | CBL OPC-1506 | | |
| W4513 | 8900014470 | CBL OPC-1501A | | |
| W4514 | 8900014520 | CBL OPC-1501B | | |
| W4515 | 8900015240 | CBL OPC-1611 | | |
| W4520 | 8970024241 | CBL 1.5D COAXIAL TUBE/C31 | | |
| W4522 | 8970024451 | CBL 1.5D COAXIAL TUBE/C31 | | |
| EP4501 | 6910017640 | E.OTH MT-483 (RED) | | |
| EP4502 | 6910017650 | E.OTH MT-483 (BLACK) | | |
| EP4503 | 6910004900 | CAP WD1911 | | |
| EP4504 | 6910017980 | SHT TC-20EG (TO-3P) | | |
| EP4505 | 6910017980 | SHT TC-20EG (TO-3P) | | |
| EP4506 | 6910013990 | BEA 3A4-TRB-31x19x15A | | |
| EP4507 | 6910013530 | BEA ZCAT2035-0930A-BK | | |

5-2 RC-25GMDSS

[DISPLAY-A BOARD]

| REF NO. | ORDER NO. | DESCRIPTION | M. | H/V LOCATION |
|---------|------------|------------------------------|----|--------------|
| IC8201 | 1140013150 | S.IC HD64F2134AFA20V | B | 130/60 |
| IC8202 | 1110005771 | S.IC S-80942CNMC-G9CT2G | B | 139/72.1 |
| IC8250 | 1130005721 | S.IC TC7W04F (TE12L F) | B | 46.2/67.3 |
| IC8260 | 1130007351 | S.IC TC74HC4066AF (F) | B | 40.8/54 |
| IC8270 | 1110002810 | S.IC NJM2070M-TE1 | B | 63.1/55.8 |
| IC8280 | 1110002700 | S.IC NJM2904M-TE1 | B | 22.6/79.6 |
| IC8290 | 1180001071 | S.IC TA7805F (TE16L,Q) | B | 180.1/65.1 |
| IC8301 | 1110005580 | S.IC AN8010M-(E1) | B | 182.1/44.6 |
| IC8310 | 1180001251 | S.IC TA7808F (TE16L,Q) | B | 52.1/83.3 |
| Q8251 | 1590001650 | S.TR XP4601 (TX) | B | 39.1/66.7 |
| Q8260 | 1590000680 | S.TR DTC114EUA T106 | B | 47.3/51.1 |
| Q8280 | 1530002691 | S.TR 2SC4116-GR (TE85R F) | B | 15.5/79.3 |
| Q8281 | 1530002851 | S.TR 2SC4116-BL (TE85R F) | B | 15.3/67.4 |
| Q8282 | 1590000680 | S.TR DTC114EUA T106 | B | 22.6/66.1 |
| Q8300 | 1540000441 | S.TR 2SD1619T-TD-E | B | 44.5/42.7 |
| Q8301 | 1540000441 | S.TR 2SD1619T-TD-E | B | 110/61.4 |
| Q8340 | 1530002851 | S.TR 2SC4116-BL (TE85R F) | B | 161.1/15.1 |
| Q8341 | 1530002851 | S.TR 2SC4116-BL (TE85R F) | B | 18.2/86.2 |
| Q8342 | 1530002851 | S.TR 2SC4116-BL (TE85R F) | B | 11.4/86.2 |
| Q8343 | 1530002851 | S.TR 2SC4116-BL (TE85R F) | B | 138.6/38.3 |
| Q8344 | 1530002851 | S.TR 2SC4116-BL (TE85R F) | B | 170.5/36.6 |
| Q8345 | 1530002851 | S.TR 2SC4116-BL (TE85R F) | B | 184.5/32.9 |
| D8201 | 1750000370 | S.DIO DA221 TL | B | 95.2/74.9 |
| D8203 | 1750000370 | S.DIO DA221 TL | B | 95.3/72.6 |
| D8204 | 1750000550 | S.DIO 1SS355 TE-17 | B | 28.2/20.9 |
| D8205 | 1750000550 | S.DIO 1SS355 TE-17 | B | 14.8/20.3 |
| D8250 | 1750000550 | S.DIO 1SS355 TE-17 | B | 39.1/70.2 |
| D8280 | 1750000370 | S.DIO DA221 TL | B | 16.1/60 |
| D8340 | 1750000520 | S.DIO DAN222TL | B | 155.4/17.9 |
| D8701 | 1750000550 | S.DIO 1SS355 TE-17 | B | 12.9/50.9 |
| X8211 | 6050010501 | S.XTL CR-636A (14.7456 MHz) | B | 144.9/66.9 |
| L8201 | 6200001831 | S.COL NLV32T-100J | B | 159/77.8 |
| L8202 | 6200002041 | S.COL NLV25T-101J | B | 17/20.5 |
| L8203 | 6200002041 | S.COL NLV25T-101J | B | 20.8/20.5 |
| L8206 | 6200003950 | S.COL HF50ACC 322513-T | B | 161.3/86.2 |
| L8207 | 6200002041 | S.COL NLV25T-101J | B | 17.4/4.3 |
| L8208 | 6200002041 | S.COL NLV25T-101J | B | 15.4/16.7 |
| L8209 | 6200002041 | S.COL NLV25T-101J | B | 26.5/10 |
| L8210 | 6200002041 | S.COL NLV25T-101J | B | 24.4/14.9 |
| L8270 | 6200003261 | S.COL NLV32T-101J | B | 69.4/62.5 |
| L8286 | 6200005011 | S.COL NLV25T-100J | B | 28.9/84.8 |
| L8290 | 6200003950 | S.COL HF50ACC 322513-T | B | 90.1/87.5 |
| L8291 | 6200002041 | S.COL NLV25T-101J | B | 116.6/91.1 |
| L8292 | 6200002041 | S.COL NLV25T-101J | B | 121.6/87.6 |
| L8293 | 6200002041 | S.COL NLV25T-101J | B | 119.9/83.5 |
| L8294 | 6200002041 | S.COL NLV25T-101J | B | 118.2/86.7 |
| L8295 | 6200003241 | S.COL NLV32T-221J | B | 114.5/86.7 |
| L8296 | 6200003241 | S.COL NLV32T-221J | B | 114.5/83.7 |
| L8297 | 6200003950 | S.COL HF50ACC 322513-T | B | 96.3/81.5 |
| L8701 | 6200001831 | S.COL NLV32T-100J | B | 12.4/35.1 |
| R8201 | 7030003640 | S.RES ERJ3GEYJ 473 V (47 k) | B | 136.8/45.7 |
| R8202 | 7030003640 | S.RES ERJ3GEYJ 473 V (47 k) | B | 166.5/80.5 |
| R8203 | 7030003640 | S.RES ERJ3GEYJ 473 V (47 k) | B | 164.5/80.5 |
| R8204 | 7030003640 | S.RES ERJ3GEYJ 473 V (47 k) | B | 170.5/80.5 |
| R8205 | 7030003560 | S.RES ERJ3GEYJ 103 V (10 k) | B | 168.5/80.5 |
| R8206 | 7030003640 | S.RES ERJ3GEYJ 473 V (47 k) | B | 142.2/59.1 |
| R8207 | 7030003640 | S.RES ERJ3GEYJ 473 V (47 k) | B | 142.2/60.4 |
| R8208 | 7030003650 | S.RES ERJ3GEYJ 563 V (56 k) | B | 139/79.5 |
| R8209 | 7030003680 | S.RES ERJ3GEYJ 104 V (100 k) | B | 139/78.1 |
| R8210 | 7030003640 | S.RES ERJ3GEYJ 473 V (47 k) | B | 143.5/56.4 |
| R8211 | 7030003640 | S.RES ERJ3GEYJ 473 V (47 k) | B | 146.2/56.3 |
| R8212 | 7030003640 | S.RES ERJ3GEYJ 473 V (47 k) | B | 146.2/54.1 |
| R8213 | 7030003640 | S.RES ERJ3GEYJ 473 V (47 k) | B | 146.2/52.8 |
| R8214 | 7030003640 | S.RES ERJ3GEYJ 473 V (47 k) | B | 104.2/53.9 |
| R8215 | 7030003640 | S.RES ERJ3GEYJ 473 V (47 k) | B | 129.9/47.3 |
| R8216 | 7030003640 | S.RES ERJ3GEYJ 473 V (47 k) | B | 138.2/81.7 |
| R8217 | 7030003520 | S.RES ERJ3GEYJ 472 V (4.7 k) | B | 32.2/24.8 |
| R8218 | 7030003440 | S.RES ERJ3GEYJ 102 V (1 k) | B | 123.8/43.2 |
| R8219 | 7030003440 | S.RES ERJ3GEYJ 102 V (1 k) | B | 123.3/39.4 |
| R8220 | 7030003440 | S.RES ERJ3GEYJ 102 V (1 k) | B | 119.9/40 |
| R8221 | 7030003440 | S.RES ERJ3GEYJ 102 V (1 k) | B | 127.2/43.3 |
| R8222 | 7030003440 | S.RES ERJ3GEYJ 102 V (1 k) | B | 10.2/65.5 |
| R8223 | 7030003640 | S.RES ERJ3GEYJ 473 V (47 k) | B | 12.2/65.2 |
| R8224 | 7030003640 | S.RES ERJ3GEYJ 473 V (47 k) | B | 127.5/39.4 |
| R8225 | 7030003590 | S.RES ERJ3GEYJ 183 V (18 k) | B | 127.5/38 |
| R8226 | 7030003470 | S.RES ERJ3GEYJ 182 V (1.8 k) | B | 48.2/61.8 |
| R8227 | 7030003560 | S.RES ERJ3GEYJ 103 V (10 k) | B | 46/61 |
| R8228 | 7030003680 | S.RES ERJ3GEYJ 104 V (100 k) | B | 127.5/36.7 |
| R8229 | 7030003560 | S.RES ERJ3GEYJ 103 V (10 k) | B | 136.9/81.7 |
| R8230 | 7030003640 | S.RES ERJ3GEYJ 473 V (47 k) | B | 132.7/29.2 |

M.=Mounted side (T: Mounted on the Top side, B: Mounted on the Bottom side)
S.=Surface mount

[DISPLAY-A BOARD]

| REF NO. | ORDER NO. | DESCRIPTION | M. | H/V LOCATION |
|---------|------------|------------------------------|----|--------------|
| R8231 | 7030003640 | S.RES ERJ3GEYJ 473 V (47 k) | B | 132.7/27.8 |
| R8232 | 7030003640 | S.RES ERJ3GEYJ 473 V (47 k) | B | 132.7/32 |
| R8233 | 7030003640 | S.RES ERJ3GEYJ 473 V (47 k) | B | 132.7/30.6 |
| R8234 | 7030003440 | S.RES ERJ3GEYJ 102 V (1 k) | B | 186.5/17 |
| R8235 | 7030003500 | S.RES ERJ3GEYJ 332 V (3.3 k) | B | 9.9/73.8 |
| R8236 | 7030003320 | S.RES ERJ3GEYJ 101 V (100) | B | 16.7/55.1 |
| R8237 | 7030003660 | S.RES ERJ3GEYJ 683 V (68 k) | B | 10.5/61.8 |
| R8239 | 7030003480 | S.RES ERJ3GEYJ 222 V (2.2 k) | B | 93.1/74.9 |
| R8240 | 7030003520 | S.RES ERJ3GEYJ 472 V (4.7 k) | B | 97.3/74.9 |
| R8241 | 7030003680 | S.RES ERJ3GEYJ 104 V (100 k) | B | 18.9/83.1 |
| R8243 | 7030003680 | S.RES ERJ3GEYJ 104 V (100 k) | B | 22/86.7 |
| R8246 | 7030003640 | S.RES ERJ3GEYJ 473 V (47 k) | B | 26.2/87.1 |
| R8247 | 7030003240 | S.RES ERJ3GEYJ 220 V (22) | B | 31.4/22.8 |
| R8248 | 7030003560 | S.RES ERJ3GEYJ 103 V (10 k) | B | 30.5/26.8 |
| R8250 | 7030003680 | S.RES ERJ3GEYJ 104 V (100 k) | B | 51.3/65.9 |
| R8251 | 7030003590 | S.RES ERJ3GEYJ 183 V (18 k) | B | 41.9/66.5 |
| R8252 | 7030003680 | S.RES ERJ3GEYJ 104 V (100 k) | B | 49.9/65.9 |
| R8253 | 7030003540 | S.RES ERJ3GEYJ 682 V (6.8 k) | B | 37.1/66.7 |
| R8254 | 7030003620 | S.RES ERJ3GEYJ 333 V (33 k) | B | 39.1/68.6 |
| R8255 | 7030003640 | S.RES ERJ3GEYJ 473 V (47 k) | B | 41.9/63.8 |
| R8260 | 7030003560 | S.RES ERJ3GEYJ 103 V (10 k) | B | 26/61.4 |
| R8263 | 7030003640 | S.RES ERJ3GEYJ 473 V (47 k) | B | 35.4/56.5 |
| R8264 | 7030003310 | S.RES ERJ3GEYJ 820 V (82) | B | 46.1/59.7 |
| R8270 | 7030003440 | S.RES ERJ3GEYJ 102 V (1 k) | B | 69.1/54.3 |
| R8274 | 7030003660 | S.RES ERJ3GEYJ 683 V (68 k) | B | 17.9/59.7 |
| R8275 | 7030003500 | S.RES ERJ3GEYJ 332 V (3.3 k) | B | 26.3/72.5 |
| R8276 | 7030003440 | S.RES ERJ3GEYJ 102 V (1 k) | B | 25/65.8 |
| R8278 | 7030003570 | S.RES ERJ3GEYJ 123 V (12 k) | B | 15.4/65.4 |
| R8279 | 7030003600 | S.RES ERJ3GEYJ 223 V (22 k) | B | 17.4/67.4 |
| R8280 | 7030003480 | S.RES ERJ3GEYJ 222V (2.2 k) | B | 12.7/75.5 |
| R8281 | 7030003680 | S.RES ERJ3GEYJ 104 V (100 k) | B | 17.2/75.9 |
| R8282 | 7030003690 | S.RES ERJ3GEYJ 124 V (120 k) | B | 18.9/79.7 |
| R8283 | 7030003440 | S.RES ERJ3GEYJ 102 V (1 k) | B | 19.6/73.3 |
| R8284 | 7030003650 | S.RES ERJ3GEYJ 563 V (56 k) | B | 24.1/74.4 |
| R8285 | 7030003400 | S.RES ERJ3GEYJ 471 V (470) | B | 26.7/74.4 |
| R8287 | 7030003480 | S.RES ERJ3GEYJ 222V (2.2 k) | B | 12.7/74.1 |
| R8288 | 7030003360 | S.RES ERJ3GEYJ 221V (220) | B | 14.6/76.5 |
| R8289 | 7030003460 | S.RES ERJ3GEYJ 152 V (1.5 k) | B | 15.6/74.2 |
| R8290 | 7030006060 | S.RES ERJ12YJ470U (10) | B | 190.5/72.2 |
| R8291 | 7030003860 | S.RES ERJ3GE JPW V | B | 103.3/89.6 |
| R8300 | 7030003550 | S.RES ERJ3GEYJ 822 V (8.2 k) | B | 47.7/42.2 |
| R8301 | 7030006220 | S.RES ERJ12YJ470U (47) | B | 40.1/43.1 |
| R8302 | 7030003550 | S.RES ERJ3GEYJ 822 V (8.2 k) | B | 110.8/56.2 |
| R8303 | 7030006220 | S.RES ERJ12YJ470U (47) | B | 111.3/66.9 |
| R8340 | 7030003600 | S.RES ERJ3GEYJ 223 V (22 k) | B | 158.3/16 |
| R8341 | 7030003390 | S.RES ERJ3GEYJ 391 V (390) | B | 163.1/15.2 |
| R8342 | 7030003600 | S.RES ERJ3GEYJ 223 V (22 k) | B | 16.2/86.3 |
| R8343 | 7030003400 | S.RES ERJ3GEYJ 471 V (470) | B | 20.1/86.3 |
| R8344 | 7030003600 | S.RES ERJ3GEYJ 223 V (22 k) | B | 9.4/86.3 |
| R8345 | 7030003400 | S.RES ERJ3GEYJ 471 V (470) | B | 13.4/86.3 |
| R8346 | 7030003650 | S.RES ERJ3GEYJ 563 V (56 k) | B | 138.5/36.4 |
| R8347 | 7030003390 | S.RES ERJ3GEYJ 391 V (390) | B | 138.1/40.2 |
| R8348 | 7030003660 | S.RES ERJ3GEYJ 683 V (68 k) | B | 167.8/37.5 |
| R8349 | 7030003380 | S.RES ERJ3GEYJ 331 V (330) | B | 172.5/36.8 |
| R8350 | 7030003660 | S.RES ERJ3GEYJ 683 V (68 k) | B | 186.5/32.7 |
| R8351 | 7030003380 | S.RES ERJ3GEYJ 331 V (330) | B | 182.5/32.7 |
| R8352 | 7030003680 | S.RES ERJ3GEYJ 104 V (100 k) | B | 14.8/86.3 |
| R8353 | 7030003440 | S.RES ERJ3GEYJ 102 V (1 k) | B | 153.1/18.1 |
| R8373 | 7030003440 | S.RES ERJ3GEYJ 102 V (1 k) | B | 68.5/56.4 |
| R8380 | 7030000010 | S.RES MCR10EZHJ JPW | B | 26.9/19.1 |
| R8382 | 7030003860 | S.RES ERJ3GE JPW V | B | 25.3/84.8 |
| R8383 | 7030003860 | S.RES ERJ3GE JPW V | B | 22.7/84.8 |
| R8384 | 7030003860 | S.RES ERJ3GE JPW V | B | 54.3/61 |
| R8385 | 7030003860 | S.RES ERJ3GE JPW V | B | 52.2/61.7 |
| R8386 | 7030003860 | S.RES ERJ3GE JPW V | B | 17.3/77.4 |
| R8387 | 7030003860 | S.RES ERJ3GE JPW V | B | 27.1/70.6 |
| R8388 | 7030003860 | S.RES ERJ3GE JPW V | B | 103.4/87.5 |
| R8701 | 7030003260 | S.RES ERJ3GEYJ 330 V (33) | B | 21.2/37 |
| R8702 | 7030003260 | S.RES ERJ3GEYJ 330 V (33) | B | 18.3/37 |
| R8703 | 7030003680 | S.RES ERJ3GEYJ 104 V (100 k) | B | 11.8/37.3 |
| R8704 | 7030003320 | S.RES ERJ3GEYJ 101 V (100) | B | 11.8/38.6 |
| R8705 | 7030003800 | S.RES ERJ3GEYJ 105 V (1 M) | B | 15.5/50.4 |
| R8706 | 7030003320 | S.RES ERJ3GEYJ 101 V (100) | B | 77.6/52.1 |
| R8707 | 7030003440 | S.RES ERJ3GEYJ 102 V (1 k) | B | 76.1/50.4 |
| R8708 | 7510001561 | S.TMR NTCG16 4BH 102JT | B | 76.1/48.8 |
| R8710 | 7030003860 | S.RES ERJ3GE JPW V | B | 72.4/61.8 |
| C8201 | 4030011600 | S.CER C1608 JB 1E 104K-T | B | 155.6/77.5 |
| C8202 | 4510008500 | S.ELE EEE1CA101WP | B | 151.7/69.5 |
| C8203 | 4030011600 | S.CER C1608 JB 1E 104K-T | B | 118.9/66.7 |
| C8204 | 4030011600 | S.CER C1608 JB 1E 104K-T | B | 129.3/45.4 |
| C8205 | 4030006900 | S.CER C1608 JB 1H 103K-T | B | 141.5/62.8 |
| C8206 | 4030007020 | S.CER C1608 CH 1H 120J-T | B | 141.5/68.2 |
| C8207 | 4030007020 | S.CER C1608 CH 1H 120J-T | B | 141.5/65.5 |
| C8208 | 4030011600 | S.CER C1608 JB 1E 104K-T | B | 139/69.4 |
| C8209 | 4030006900 | S.CER C1608 JB 1H 103K-T | B | 139/76.7 |
| C8210 | 4030006880 | S.CER C1608 JB 1H 472K-T | B | 128.1/42 |
| C8211 | 4030006880 | S.CER C1608 JB 1H 472K-T | B | 125.1/44.7 |
| C8212 | 4030006880 | S.CER C1608 JB 1H 472K-T | B | 124.1/41.3 |
| C8214 | 4030006880 | S.CER C1608 JB 1H 472K-T | B | 127.2/44.6 |
| C8216 | 4510008500 | S.ELE EEE1CA101WP | B | 31.6/49.9 |

[DISPLAY-A BOARD]

| REF NO. | ORDER NO. | DESCRIPTION | M. | H/V LOCATION |
|---------|------------|---------------------------------|----|--------------|
| C8217 | 4510008540 | S.ELE EEE1CA100SR | B | 32.8/31.8 |
| C8218 | 4510008500 | S.ELE EEE1CA101WP | B | 45.3/18.8 |
| C8219 | 4510008540 | S.ELE EEE1CA100SR | B | 12.6/41.7 |
| C8220 | 4030017480 | S.CER C1608 JB 1A 474K-T | B | 143.3/57.8 |
| C8221 | 4030006880 | S.CER C1608 JB 1H 472K-T | B | 22.7/20.5 |
| C8222 | 4030006880 | S.CER C1608 JB 1H 472K-T | B | 25.1/17.5 |
| C8223 | 4030006880 | S.CER C1608 JB 1H 472K-T | B | 32.2/20.8 |
| C8226 | 4030006880 | S.CER C1608 JB 1H 472K-T | B | 18.9/20.5 |
| C8229 | 4030007130 | S.CER C1608 CH 1H 101J-T | B | 139.9/59.6 |
| C8230 | 4030007130 | S.CER C1608 CH 1H 101J-T | B | 141.4/57.1 |
| C8231 | 4030006880 | S.CER C1608 JB 1H 472K-T | B | 31.4/28.8 |
| C8241 | 4510008570 | S.ELE EEE1CA220SR | B | 12.8/47 |
| C8242 | 4030006880 | S.CER C1608 JB 1H 472K-T | B | 10.5/63.2 |
| C8243 | 4510008520 | S.ELE EEE1CA470SP | B | 12.4/56.5 |
| C8244 | 4510008540 | S.ELE EEE1CA100SR | B | 11.3/69.7 |
| C8250 | 4030006900 | S.CER C1608 JB 1H 103K-T | B | 47.4/63.8 |
| C8260 | 4030006880 | S.CER C1608 JB 1H 472K-T | B | 34.9/59.3 |
| C8261 | 4510008840 | S.ELE EEE1CA220NP | B | 30.2/57.6 |
| C8270 | 4510008500 | S.ELE EEE1CA101WP | B | 60.6/62.8 |
| C8271 | 4030006880 | S.CER C1608 JB 1H 472K-T | B | 68.5/58 |
| C8274 | 4510008590 | S.ELE EEE1AA101SP | B | 63.4/48.9 |
| C8277 | 4510008500 | S.ELE EEE1CA101WP | B | 51.4/56.4 |
| C8279 | 4030006880 | S.CER C1608 JB 1H 472K-T | B | 24.4/67.7 |
| C8280 | 4510008570 | S.ELE EEE1CA220SR | B | 29.3/80 |
| C8281 | 4030006880 | S.CER C1608 JB 1H 472K-T | B | 32.2/83.6 |
| C8282 | 4510008540 | S.ELE EEE1CA100SR | B | 16.6/71.2 |
| C8283 | 4510008540 | S.ELE EEE1CA100SR | B | 22.8/71.2 |
| C8284 | 4510008530 | S.ELE EEE1HA22R2SR | B | 11.6/79.2 |
| C8285 | 4510008540 | S.ELE EEE1CA100SR | B | 22.2/60.1 |
| C8286 | 4510008520 | S.ELE EEE1CA470SP | B | 22.4/52.2 |
| C8287 | 4510008770 | S.ELE EEE1ES4R7SR | B | 29.3/66.7 |
| C8288 | 4030006880 | S.CER C1608 JB 1H 472K-T | B | 21.5/74.4 |
| C8289 | 4030006880 | S.CER C1608 JB 1H 472K-T | B | 17.6/79.7 |
| C8290 | 4510008520 | S.ELE EEE1CA470SP | B | 182/72.2 |
| C8291 | 4030011600 | S.CER C1608 JB 1E 104K-T | B | 187.5/66.6 |
| C8292 | 4030011600 | S.CER C1608 JB 1E 104K-T | B | 187.5/63.6 |
| C8293 | 4510008520 | S.ELE EEE1CA470SP | B | 182/58 |
| C8294 | 4030007130 | S.CER C1608 CH 1H 101J-T | B | 109.1/90.4 |
| C8295 | 4030007130 | S.CER C1608 CH 1H 101J-T | B | 101.4/90.3 |
| C8297 | 4030006880 | S.CER C1608 JB 1H 472K-T | B | 106.5/90.3 |
| C8298 | 4030006880 | S.CER C1608 JB 1H 472K-T | B | 92.3/88.3 |
| C8299 | 4030007090 | S.CER C1608 CH 1H 470J-T | B | 109.2/86.2 |
| C8300 | 4030007090 | S.CER C1608 CH 1H 470J-T | B | 110.5/80.9 |
| C8301 | 4510008520 | S.ELE EEE1CA470SP | B | 182/50.5 |
| C8302 | 4030011600 | S.CER C1608 JB 1E 104K-T | B | 186.5/46.1 |
| C8303 | 4030011600 | S.CER C1608 JB 1E 104K-T | B | 186.5/43 |
| C8304 | 4510008520 | S.ELE EEE1CA470SP | B | 182/38.3 |
| C8310 | 4510008520 | S.ELE EEE1CA470SP | B | 60.5/81.6 |
| C8311 | 4030006880 | S.CER C1608 JB 1H 472K-T | B | 56.2/80.3 |
| C8312 | 4030006880 | S.CER C1608 JB 1H 472K-T | B | 47.9/80.3 |
| C8313 | 4510008520 | S.ELE EEE1CA470SP | B | 43.5/81.8 |
| C8373 | 4030011600 | S.CER C1608 JB 1E 104K-T | B | 67.8/54.3 |
| J8205 | 6510022541 | S.CNR 20FMN-BMTTR-A-TBT(LF)(SN) | B | 83.7/44.5 |
| J8701 | 6510022440 | CNR LTW-8MP-C NUT,GASKET | | |
| J8702 | 6450001630 | CNR HSJ1406-01-050 | | |
| J8902 | 6510022621 | S.CNR 10FMN-BMTTR-A-TBT(LF)(SN) | B | 170/84.8 |
| J8904 | 6510021261 | S.CNR B-9B-ZB-SM4-TF(LF)(SN) | B | 120.5/79.8 |
| DS8300 | 5040002940 | S.LED TLYU1002A (T02) | T | 77/75.9 |
| DS8301 | 5040002940 | S.LED TLYU1002A (T02) | T | 63.7/75.9 |
| DS8302 | 5040002940 | S.LED TLYU1002A (T02) | T | 50.4/75.9 |
| DS8303 | 5040002940 | S.LED TLYU1002A (T02) | T | 77/65.9 |
| DS8304 | 5040002940 | S.LED TLYU1002A (T02) | T | 63.7/65.9 |
| DS8305 | 5040002940 | S.LED TLYU1002A (T02) | T | 50.4/65.9 |
| DS8306 | 5040002940 | S.LED TLYU1002A (T02) | T | 77/55.9 |
| DS8307 | 5040002940 | S.LED TLYU1002A (T02) | T | 63.7/55.9 |
| DS8308 | 5040002940 | S.LED TLYU1002A (T02) | T | 50.4/55.9 |
| DS8309 | 5040002940 | S.LED TLYU1002A (T02) | T | 77/45.9 |
| DS8310 | 5040002940 | S.LED TLYU1002A (T02) | T | 63.7/45.9 |
| DS8311 | 5040002940 | S.LED TLYU1002A (T02) | T | 50.4/45.9 |
| DS8312 | 5040002940 | S.LED TLYU1002A (T02) | T | 90.3/75.9 |
| DS8313 | 5040002940 | S.LED TLYU1002A (T02) | T | 103.6/75.9 |
| DS8314 | 5040002940 | S.LED TLYU1002A (T02) | T | 116.9/75.9 |
| DS8315 | 5040002940 | S.LED TLYU1002A (T02) | T | 90.3/65.9 |
| DS8316 | 5040002940 | S.LED TLYU1002A (T02) | T | 103.6/65.9 |
| DS8317 | 5040002940 | S.LED TLYU1002A (T02) | T | 116.9/65.9 |
| DS8318 | 5040002940 | S.LED TLYU1002A (T02) | T | 90.3/55.9 |
| DS8319 | 5040002940 | S.LED TLYU1002A (T02) | T | 103.6/55.9 |
| DS8320 | 5040002940 | S.LED TLYU1002A (T02) | T | 116.9/55.9 |
| DS8321 | 5040002940 | S.LED TLYU1002A (T02) | T | 90.3/45.9 |
| DS8322 | 5040002940 | S.LED TLYU1002A (T02) | T | 103.6/45.9 |
| DS8323 | 5040002940 | S.LED TLYU1002A (T02) | T | 116.9/45.9 |
| DS8340 | 5040002310 | S.LED SML-311YTT86 | T | 16.1/1/15 |
| DS8341 | 5040002310 | S.LED SML-311YTT86 | T | 19.8/83.5 |
| DS8342 | 5040002310 | S.LED SML-311YTT86 | T | 19.8/50.2 |
| DS8343 | 5040002310 | S.LED SML-311YTT86 | T | 143.8/71.5 |
| DS8344 | 5040002310 | S.LED SML-311YTT86 | T | 143.8/41.9 |
| DS8345 | 5040002310 | S.LED SML-311YTT86 | T | 170.5/76.9 |
| DS8346 | 5040002310 | S.LED SML-311YTT86 | T | 170.5/49.9 |

M.=Mounted side (T: Mounted on the Top side, B: Mounted on the Bottom side)
S.=Surface mount

[DISPLAY-A BOARD]

| REF NO. | ORDER NO. | DESCRIPTION | M. | H/V LOCATION |
|---------|------------|----------------------|----|--------------|
| DS8347 | 5040002310 | S.LED SML-311YTT86 | T | 170.5/36.4 |
| DS8348 | 5040002310 | S.LED SML-311YTT86 | T | 184.5/76.9 |
| DS8349 | 5040002310 | S.LED SML-311YTT86 | T | 184.5/49.9 |
| DS8350 | 5040002310 | S.LED SML-311YTT86 | T | 184.5/36.4 |
| EP8205 | 6910012350 | S.BEA MMZ1608Y 102BT | B | 187.9/17 |
| EP8210 | 6910012350 | S.BEA MMZ1608Y 102BT | B | 108.9/52.1 |
| EP8211 | 6910012350 | S.BEA MMZ1608Y 102BT | B | 112.5/54.6 |
| EP8212 | 6910012350 | S.BEA MMZ1608Y 102BT | B | 105.9/50.9 |
| EP8213 | 6910012350 | S.BEA MMZ1608Y 102BT | B | 114.1/54.6 |
| EP8214 | 6910012350 | S.BEA MMZ1608Y 102BT | B | 108.9/49.3 |
| EP8215 | 6910012350 | S.BEA MMZ1608Y 102BT | B | 115.7/54.6 |
| EP8216 | 6910012350 | S.BEA MMZ1608Y 102BT | B | 105.9/48.1 |
| EP8217 | 6910012350 | S.BEA MMZ1608Y 102BT | B | 113.7/48.3 |
| EP8218 | 6910012350 | S.BEA MMZ1608Y 102BT | B | 108.9/46.5 |
| EP8219 | 6910012350 | S.BEA MMZ1608Y 102BT | B | 115.4/48.3 |
| EP8220 | 6910012350 | S.BEA MMZ1608Y 102BT | B | 116.1/45.7 |
| EP8221 | 6910012350 | S.BEA MMZ1608Y 102BT | B | 118.2/46.8 |
| EP8222 | 6910012350 | S.BEA MMZ1608Y 102BT | B | 116.1/44.1 |
| EP8223 | 6910012350 | S.BEA MMZ1608Y 102BT | B | 119.8/46.8 |
| EP8292 | 6910012350 | S.BEA MMZ1608Y 102BT | B | 111/89.2 |
| EP8293 | 6910012350 | S.BEA MMZ1608Y 102BT | B | 110.9/91.1 |
| EP8294 | 6910012350 | S.BEA MMZ1608Y 102BT | B | 111.1/87.1 |
| EP8295 | 6910012350 | S.BEA MMZ1608Y 102BT | B | 111.9/85 |
| EP8296 | 6910012350 | S.BEA MMZ1608Y 102BT | B | 105.3/88.3 |

[FRONT-A UNIT]

| REF NO. | ORDER NO. | DESCRIPTION | M. | H/V LOCATION |
|---------|------------|--------------|----|--------------|
| W8001 | 8900014540 | CBL OPC-1493 | | |
| W8005 | 8900008860 | CBL OPC-875 | | |

[SENSOR-A BOARD]

| REF NO. | ORDER NO. | DESCRIPTION | M. | H/V LOCATION |
|---------|------------|--------------------------|----|--------------|
| S8801 | 2250000220 | ECR TP90N937E20-15F-1540 | | |
| S8802 | 2250000220 | ECR TP90N937E20-15F-1540 | | |

[VR-A BOARD]

| REF NO. | ORDER NO. | DESCRIPTION | M. | H/V LOCATION |
|---------|------------|---------------------------|----|--------------|
| R8901 | 7210002360 | VAR TP96N97-15F-10KB-1301 | | |

[CONNECT-A BOARD]

| REF NO. | ORDER NO. | DESCRIPTION | M. | H/V LOCATION |
|---------|------------|-----------------------------------|----|--------------|
| IC8240 | 1140010010 | S.IC HD66421TBOL | T | 34.5/18 |
| L8220 | 6200001831 | S.COL NLV32T-100J | B | 51.9/6.3 |
| L8221 | 6200001831 | S.COL NLV32T-100J | B | 52/2.7 |
| R8241 | 7030003830 | S.RES ERJ3GEYJ 185 V (1.8 M) | B | 50/8.5 |
| R8242 | 7030003840 | S.RES ERJ3GEYJ 225 V (2.2 M) | B | 38.3/17.5 |
| R8243 | 7030003640 | S.RES ERJ3GEYJ 473 V (47 k) | B | 29.7/18.9 |
| R8244 | 7030003640 | S.RES ERJ3GEYJ 473 V (47 k) | B | 32.8/19 |
| R8245 | 7030003640 | S.RES ERJ3GEYJ 473 V (47 k) | B | 35.1/18.3 |
| R8246 | 7030003830 | S.RES ERJ3GEYJ 185 V (1.8 M) | B | 47.3/8 |
| C8230 | 4030011600 | S.CER C1608 JB 1E 104K-T | B | 55.5/2.7 |
| C8231 | 4030011600 | S.CER C1608 JB 1E 104K-T | B | 55.5/6.3 |
| C8232 | 4550007660 | S.TAN F931E105MAABMA | B | 58.4/17 |
| C8233 | 4550007660 | S.TAN F931E105MAABMA | B | 54.1/15.6 |
| C8234 | 4550007660 | S.TAN F931E105MAABMA | B | 49.7/18.6 |
| C8235 | 4550007660 | S.TAN F931E105MAABMA | B | 44.8/17 |
| C8236 | 4550007660 | S.TAN F931E105MAABMA | B | 41.3/17 |
| C8237 | 4030011600 | S.CER C1608 JB 1E 104K-T | B | 41.4/8.6 |
| J8220 | 6510022541 | S.CNR 20FMN-BMTTR-A-TBT (LF) (SN) | B | 34.5/4.5 |
| DS8220 | 5030002280 | LCD HLC7700-018800 | | |

M.=Mounted side (T: Mounted on the Top side, B: Mounted on the Bottom side)

S.=Surface mount

SECTION 6 MECHANICAL PARTS AND DISASSEMBLY

6-1 IC-M801GMDSS

[CHASSIS PARTS]

| REF. NO. | ORDER NO. | DESCRIPTION | QTY. |
|----------|------------|-----------------------------------|------|
| J4501 | 6510000370 | Connector MR-DS | 1 |
| J4503 | 6510000370 | Connector MR-DS | 1 |
| S4501 | 2260002930 | Switch AJ42100F | 1 |
| W4510 | 8900014490 | Cable OPC-1476 | 1 |
| W4511 | 8900014500 | Cable OPC-1492 | 1 |
| W4516 | 8900015900 | Cable OPC-1664 | 1 |
| EP4501 | 6910017640 | MT-483 (RED) | 1 |
| EP4502 | 6910017650 | MT-483 (BLACK) | 1 |
| EP4503 | 6910004900 | Cap WD1911 | 1 |
| EP4504 | 6910017980 | Sheet TC-20EG | 1 |
| EP4505 | 6910017980 | Sheet TC-20EG | 1 |
| EP4507 | 6910013530 | Bead ZCAT2035-0930A-BK | 1 |
| MP4501 | 8110008610 | 1958 U-cover | 1 |
| MP4502 | 8110008620 | 1958 L-cover | 1 |
| MP4503 | 8930068160 | 1958 packing | 1 |
| MP4506 | 8930068950 | 1958 A-connector seal | 1 |
| MP4507 | 8930068900 | 1958 U-B plate | 1 |
| MP4508 | 8930068890 | 1958 L-B plate | 1 |
| MP4510 | 8930068150 | 1958 terminal plate | 2 |
| MP4516 | 8930054280 | 2440 vent. sheet | 1 |
| MP4517 | 8930034300 | 1542 ant seal | 2 |
| MP4518 | 8930037001 | 1691 earth plate-1 Y266A | 2 |
| MP4521 | 8930037030 | 1562 stand-off | 6 |
| MP4524 | 8930053472 | Thermally sheet (R)-2 TC200HS | 1 |
| MP4525 | 8930063250 | Thermally sheet (AS) TC-600HS-1.4 | 1 |
| MP4526 | 8930068830 | Thermally sheet (AY) TC-700HS-1.4 | 1 |
| MP4527 | 8810001510 | Screw PH B0 M3 × 8 SUS | 4 |
| MP4528 | 8810009721 | Setscrew H M3 × 8 SUS SSBC | 2 |
| MP4529 | 8810009650 | Screw FH BT M3 × 8 NI-ZU | 26 |
| MP4530 | 8810009650 | Screw FH BT M3 × 8 NI-ZU | 12 |
| MP4531 | 8810008660 | Screw PH BT M3 × 8 NI-ZU | 10 |
| MP4532 | 8810008660 | Screw PH BT M3 × 8 NI-ZU | 10 |
| MP4533 | 8810008660 | Screw PH BT M3 × 8 NI-ZU | 2 |
| MP4534 | 8810003860 | Setscrew A M4 × 8 | 2 |
| MP4535 | 8810003381 | Setscrew C M3 × 10 ZC3 | 2 |
| MP4536 | 8810003381 | Setscrew C M3 × 10 ZC3 | 2 |
| MP4537 | 8810007230 | Setscrew H M3 × 8 | 4 |
| MP4538 | 8810003860 | Setscrew A M4 × 8 | 5 |
| MP4539 | 8810007230 | Setscrew H M3 × 8 | 2 |
| MP4540 | 8810007230 | Setscrew H M3 × 8 | 2 |
| MP4541 | 8930068200 | 1958 CA rubber | 2 |
| MP4542 | 8930068210 | 1958 CB rubber | 1 |
| MP4543 | 8930068340 | 1958 U-A plate | 1 |
| MP4544 | 8930068130 | 1958 L-A plate | 1 |
| MP4545 | 8930068220 | 1958 CA plate | 2 |
| MP4546 | 8930068230 | 1958 CB plate | 1 |
| MP4556 | 8810008660 | Screw PH BT M3 × 8 NI-ZU | 4 |
| MP4557 | 8810008660 | Screw PH BT M3 × 8 NI-ZU | 8 |
| MP4558 | 8810008660 | Screw PH BT M3 × 8 NI-ZU | 10 |
| MP4559 | 8810007230 | Setscrew H M3 × 8 | 2 |
| MP4560 | 8810007230 | Setscrew H M3 × 8 | 1 |
| MP4561 | 8810007230 | Setscrew H M3 × 8 | 1 |
| MP4562 | 8810007230 | Setscrew H M3 × 8 | 2 |
| MP4563 | 8810008980 | Hex head bolt M4 × 8 SUS (+) | 1 |
| MP4564 | 8850000170 | Flat washer M4 SUS | 2 |
| MP4565 | 8850000490 | Spring washer M4 SUS | 1 |
| MP4566 | 8810009080 | Screw truss M3 × 3 SUS | 2 |
| MP4567 | 8810009080 | Screw truss M3 × 3 SUS | 4 |
| MP4570 | 8930068810 | Thermally sheet (AW) TC-20EG | 1 |
| MP4571 | 8930068820 | Thermally sheet (AX) TC-600HS-1.4 | 1 |
| MP4574 | 8930068510 | 1958 terminal rubber | 2 |
| MP4575 | 8930068940 | 1958 TR plate | 1 |

[CHASSIS PARTS]

| REF. NO. | ORDER NO. | DESCRIPTION | QTY. |
|----------|------------|-----------------------------------|-----------|
| MP4577 | 8930069000 | 1958 TR clip | 1 |
| MP4580 | 8820001410 | Cap bolt M8 × 25 SUS M600 | 4 |
| MP4581 | 8850002670 | Flat washer M8 (8 × 16 × 1.2) SUS | 4 |
| MP4582 | 8850000520 | Spring washer M8 SUS | 4 |
| MP4583 | 8810009060 | Screw FH M3 × 6 ZK | 1 |
| MP4584 | 8810008800 | Screw PH UNC NO.4 × 4 SUS | 4 |
| MP4585 | 8810008800 | Screw PH UNC NO.4 × 4 SUS | 2 |
| MP4587 | 8930069610 | Sponge (IV) | 1 |
| MP4591 | 8510017630 | 1958 PA shield plate | 1 |
| MP4592 | 8930069580 | 4593 thermally sheet (BA) | 1 |
| MP4593 | 8860000110 | 4593 earth lug | 1 |
| MP4602 | 8930011710 | Insulation plate (AR) | 1 |
| MP4603 | 8930070650 | Shield sponge (BD) | 1 |
| MP4604 | 8930070670 | Shield sponge (BF) | 1 |
| MP4605 | 8930070680 | Shield sponge (BG) | 1 |
| MP4606 | 8930070660 | Shield sponge (BE) | 2 |
| MP4607 | 8930070690 | Shield sponge (BH) | 2 |
| MP4608 | 8930070640 | Shield sponge (BC) | 1 |
| MP4609 | 8930070380 | Sponge (JG) | 1 |
| MP4610 | 8930070710 | Shield sponge (BI) | 1 |
| MP4611 | 8930070680 | Shield sponge (BG) | 4 |
| MP4612 | 8930070710 | Shield sponge (BI) | 2 |
| MP4613 | 8930070640 | Shield sponge (BC) | 2 |
| MP4614 | 8930070720 | Shield sponge (BJ) | 2 |
| MP4615 | 8930070740 | 1958 magnetic shield | [EUR-1] 1 |
| MP4616 | 8930069630 | Shield sponge (AW) | 1 |

[MAIN UNIT]

| REF. NO. | ORDER NO. | DESCRIPTION | QTY. |
|----------|------------|------------------------|------|
| J9001 | 6510023120 | Connector CD6109SA1J0 | 1 |
| J9051 | 6510023120 | Connector CD6109SA1J0 | 1 |
| J9151 | 6510023210 | Connector CD6125SA1J0 | 1 |
| BT1 | 3020000110 | Lithium battery CR2032 | 1 |
| MP51 | 8930014140 | Earth spring (D) | 1 |
| MP201 | 8510014610 | 2429 mix case | 1 |
| MP202* | 8930005320 | Filter spacer | 1 |
| MP231* | 8930005200 | Crystal seat | 2 |
| MP301 | 8510000180 | 117 shield plate | 1 |
| MP303* | 8930005320 | Filter spacer | 2 |
| MP701 | 8510011970 | 2177 OSC case | 1 |
| MP702 | 8510014600 | 2429 OSC cover | 1 |
| MP1501 | 8510013140 | 2241 DC-A case | 1 |
| MP2051* | 8930014140 | Earth spring (D) | 1 |
| MP2201 | 8510017200 | 2427 A-shield plate | 1 |

[DSP BOARD]

| REF. NO. | ORDER NO. | DESCRIPTION | QTY. |
|----------|------------|-------------------|------|
| MP1 | 8510014650 | 2429 DSP case | 1 |
| MP5 | 8930059330 | Shield sponge (W) | 1 |
| MP6 | 8930070380 | Sponge (JG) | 1 |

[PLL UNIT]

| REF. NO. | ORDER NO. | DESCRIPTION | QTY. |
|----------|------------|--------------------|------|
| MP5801* | 8510006941 | DTMF shield case-1 | 1 |
| MP5901* | 8510006941 | DTMF shield case-1 | 1 |

*: Refer to SECTION 8 BOARD LAYOUTS.

[REG-DC BOARD]

| REF. NO. | ORDER NO. | DESCRIPTION | QTY. |
|----------|------------|-----------------|------|
| MP1* | 8510011410 | 1981 CTRL plate | 1 |
| MP2* | 8510011410 | 1981 CTRL plate | 1 |

[DRIVER BOARD]

| REF. NO. | ORDER NO. | DESCRIPTION | QTY. |
|----------|------------|------------------|------|
| MP6851* | 8410002480 | 2429 PA heatsink | 1 |

[CONNECT UNIT]

| REF. NO. | ORDER NO. | DESCRIPTION | QTY. |
|----------|------------|------------------|------|
| W6901 | 8900015910 | Cable OPC-1665 | 1 |
| MP6901 | 8930070810 | 1958 earth plate | 1 |
| MP6902 | 8930045390 | Sponge (FL) | 1 |

[ACCESSORIES]

| REF. NO. | ORDER NO. | DESCRIPTION | QTY. |
|----------|------------------|-----------------------------------|------|
| EP4004 | 6910013530 | Bead ZCAT2035-0930A-BK | 1 |
| EP4005 | 6910013990 | Bead 3A4-TRB-31X19X15A | 1 |
| F4001 | 5210000061 | Fuse FGB 5A PBF | 2 |
| J4001 | 6510002030 | Connector 1380TL | 4 |
| P4001 | 6510001930 | Connector 1490P1 | 1 |
| W4001 | 8900014460 | Cable OPC-1475 | 1 |
| W4002 | 8900012420 | Cable OPC-1278 | 1 |
| MC4001 | Optional product | Microphone HS-98 | 1 |
| MP4001 | 8810003490 | Hex head bolt M6 × 15 SUS | 6 |
| MP4002 | 8850000200 | Flat washer M6 (6 × 20 × 1.5) SUS | 6 |
| MP4003 | 8850000510 | Spring washer M6 SUS | 6 |
| MP4004 | 8810003500 | Hex head bolt M6 × 50 SUS | 6 |
| MP4005 | 8830000260 | Nut M6 SUS | 6 |
| MP4006 | 8850000200 | Flat washer M6 (6 × 20 × 1.5) SUS | 12 |
| MP4007 | 8850000510 | Spring washer M6 SUS | 12 |
| MP4008 | 8010020380 | 1958 angle | 2 |
| MP4009 | 8930036560 | 1632 cushion rubber | 4 |
| MP4010 | 6950000460 | Weatherproof cap | 2 |

6-2 SP-24E**[CHASSIS PARTS]**

| REF. NO. | ORDER NO. | DESCRIPTION | QTY. |
|----------|------------|---------------------------|------|
| W1 | 8900014580 | Cable OPC-1507 | 1 |
| SP1 | 2510001170 | Speaker 077P0401 | 1 |
| MP1 | 8210018780 | 2431 front panel assembly | 1 |
| MP2 | 8210018790 | 2431 rear panel assembly | 1 |
| MP7 | 8810004430 | Screw PH M3 × 6 ZK | 4 |
| MP8 | 8930057640 | Insulation plate GW | 1 |
| MP10 | 8930068190 | 2431 packing | 1 |

*: Refer to SECTION 8 BOARD LAYOUTS.

Screw abbreviations

B0, BT: Self-tapping
 PH: Pan head FH: Flat head
 ZK: Black SUS: Stainless
 NI-ZU: Nickel-Zinc

[ACCESSORIES]

| REF. NO. | ORDER NO. | DESCRIPTION | QTY. |
|----------|------------|------------------------|------|
| MP1 | 8010018870 | 2546 bracket | 1 |
| MP2 | 8810001490 | Screw PH A M5 × 20 SUS | 2 |
| MP3 | 8850000500 | Spring washer M5 SUS | 2 |
| MP4 | 8850000180 | Flat washer M5 SUS | 2 |
| MP5 | 8610010561 | 2040 knob bolt-1 | 2 |

6-3 RC-25GMDSS**[FRONT-A PARTS]**

| REF. NO. | ORDER NO. | DESCRIPTION | QTY. |
|----------|------------|-------------------------------|------|
| W8001 | 8900014540 | Cable OPC-1493 | 1 |
| MP8001 | 8210022420 | 2545 front panel (B) assembly | 1 |
| MP8002 | 8210018731 | 2545 rear panel assembly -1 | 1 |
| MP8004 | 8210018620 | 2545 reflector | 1 |
| MP8005 | 8930067430 | 2545 20-key (B) | 1 |
| MP8006 | 8930067420 | 2545 3-key (B) | 1 |
| MP8007 | 8930057480 | 2545 LCD holder | 1 |
| MP8008 | 8930057490 | 2545 LCD filter | 1 |
| MP8009 | 8830001630 | VR Nut (P) | 1 |
| MP8016 | 8610010851 | Knob N279-1 | 1 |
| MP8017 | 8610010861 | Knob N280-1 | 2 |
| MP8020 | 8810004430 | Screw PH M3 × 6 ZK | 8 |
| MP8022 | 8810008660 | Screw PH BT M3 × 8 NI-ZU | 9 |
| MP8023 | 8930057110 | 2545 phone cap | 1 |
| MP8025 | 8930058271 | 2577 F-packing-1 | 1 |

[DISPLAY-A BOARD]

| REF. NO. | ORDER NO. | DESCRIPTION | QTY. |
|----------|------------|--------------------------|------|
| J8701 | 6510022440 | Connector LTW-8MP-C | 1 |
| J8702 | 6450001630 | Connector HSJ1406-01-050 | 1 |
| MP8201 | 8510014560 | 2545 shield case | 1 |

[SENSOR-A BOARD]

| REF. NO. | ORDER NO. | DESCRIPTION | QTY. |
|----------|------------|------------------------------|------|
| S8801 | 2250000220 | Encoder TP90N937E20-15F-1540 | 1 |
| S8802 | 2250000220 | Encoder TP90N937E20-15F-1540 | 1 |

[VR-A BOARD]

| REF. NO. | ORDER NO. | DESCRIPTION | QTY. |
|----------|------------|---|------|
| R8901 | 7210002360 | Variable resistor TP96N97-15F-10KB-1301 | 1 |

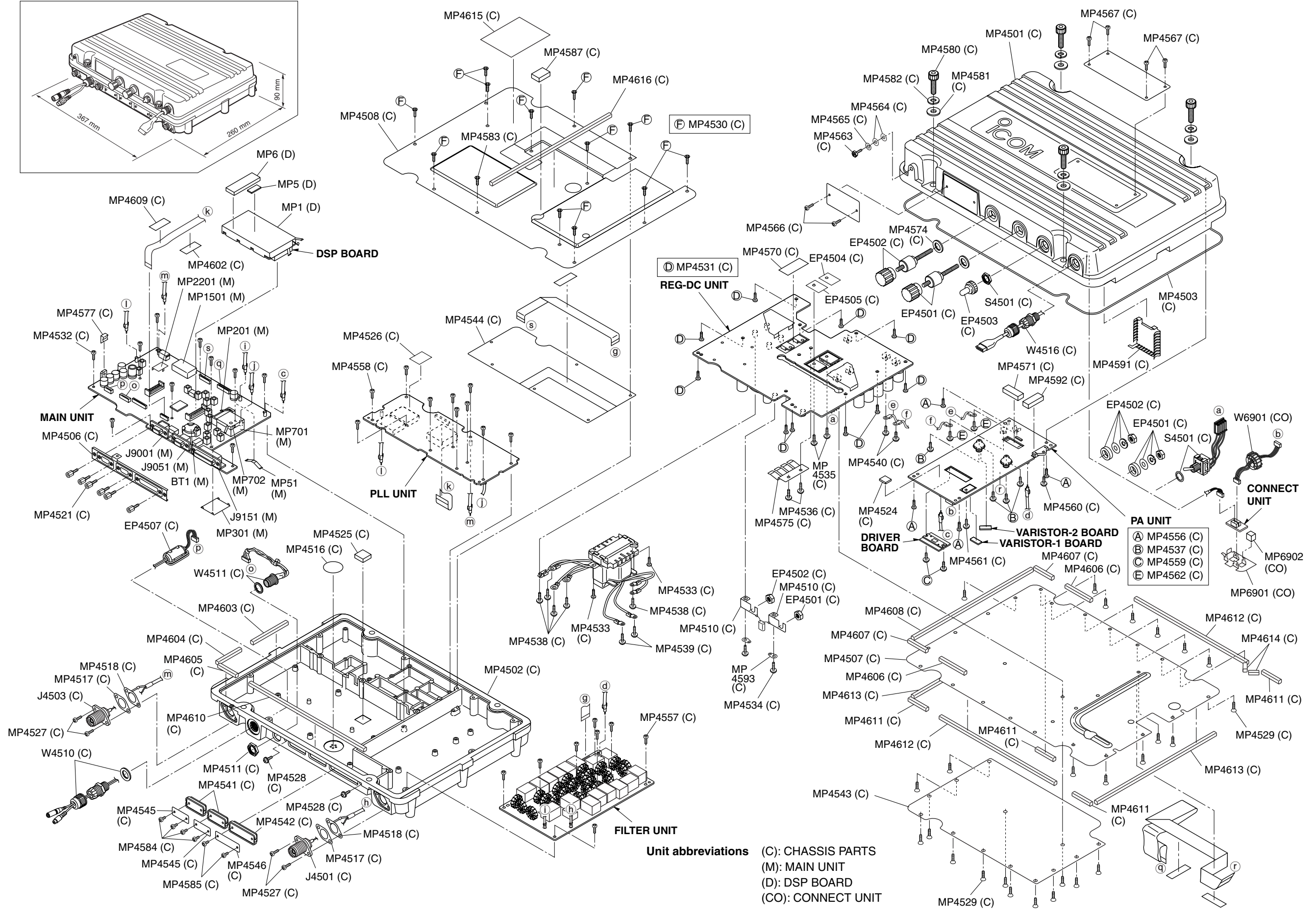
[CONNECT-A BOARD]

| REF. NO. | ORDER NO. | DESCRIPTION | QTY. |
|----------|------------|---------------------|------|
| DS8220 | 5030002320 | M802 LCD assembly C | 1 |

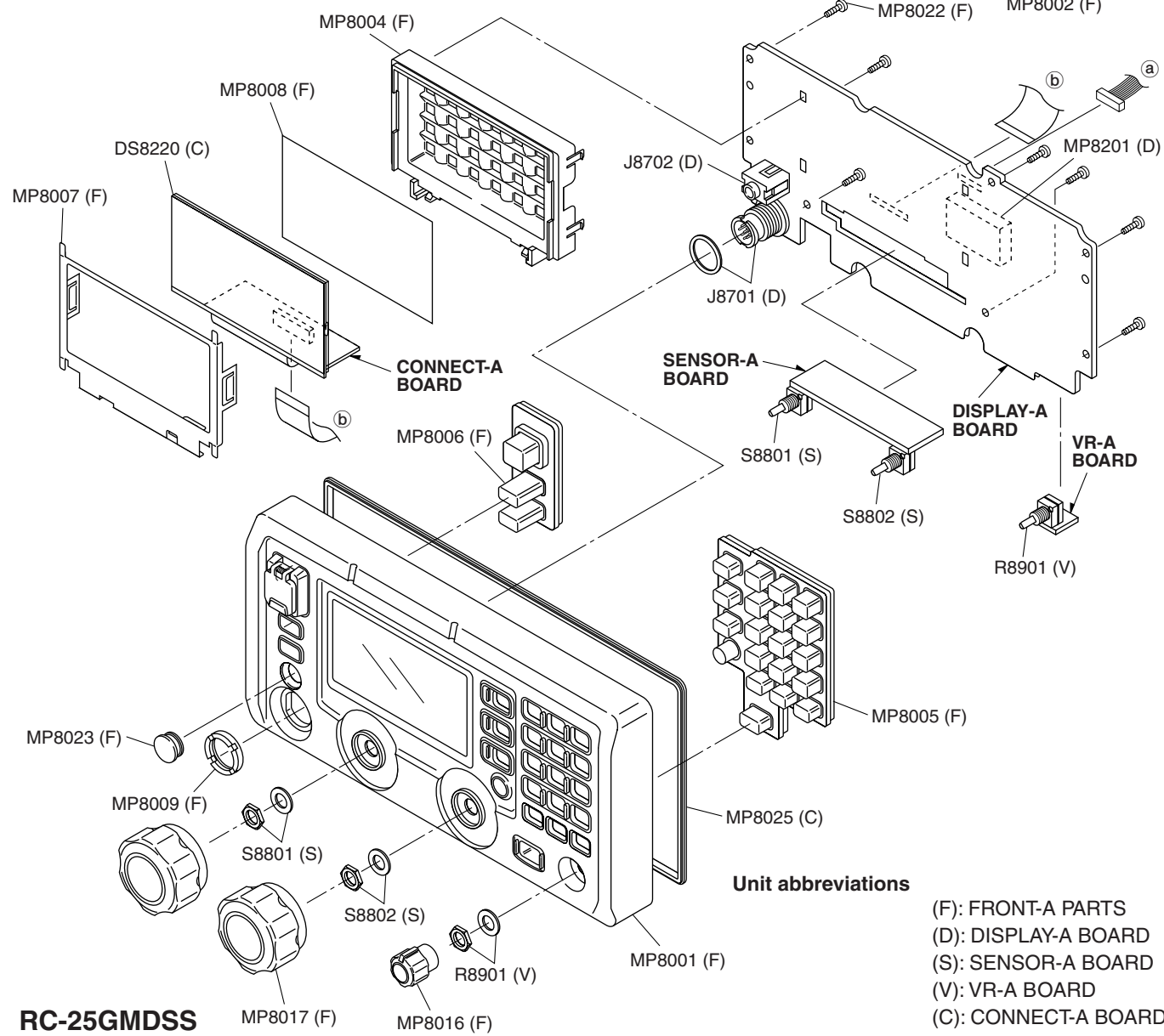
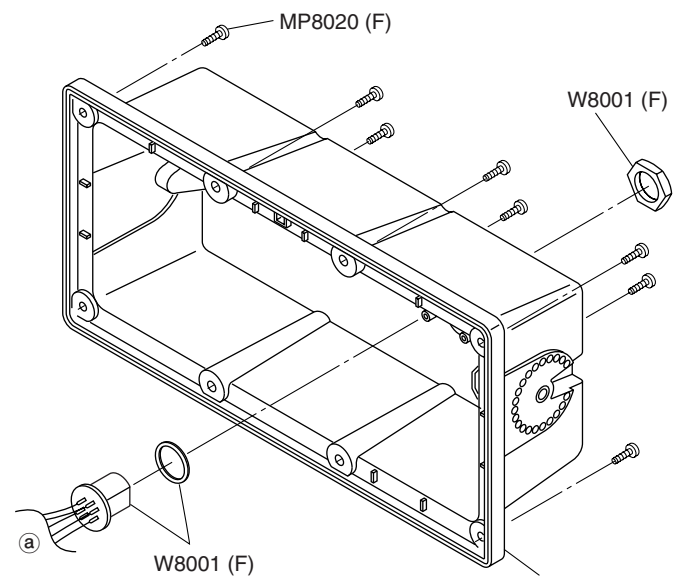
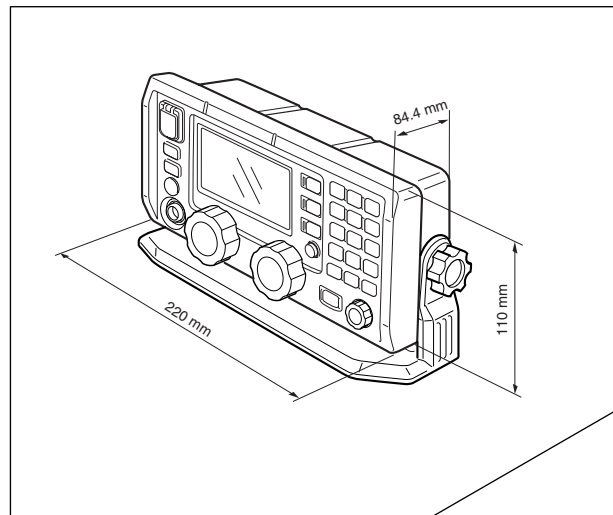
[ACCESSORIES]

| REF. NO. | ORDER NO. | DESCRIPTION | QTY. |
|----------|------------|------------------------|------|
| W8101 | 8900014530 | Cable OPC-1466 | 1 |
| MP8101 | 8010018860 | 2455 bracket | 1 |
| MP8102 | 8810001490 | Screw PH A M5 × 20 SUS | 4 |
| MP8103 | 8850000500 | Spring washer M5 SUS | 4 |
| MP8104 | 8850000180 | Flat washer M5 SUS | 4 |
| MP8105 | 8610010561 | 2040 knob bolt-1 | 2 |

IC-M801GMDSS



Unit abbreviations
 (C): CHASSIS PARTS
 (M): MAIN UNIT
 (D): DSP BOARD
 (CO): CONNECT UNIT

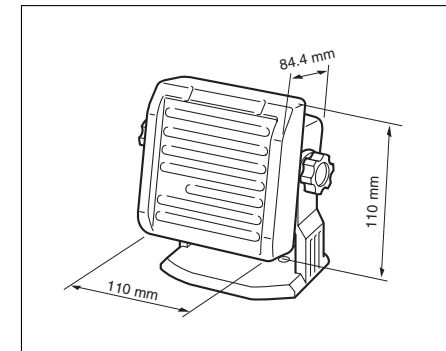
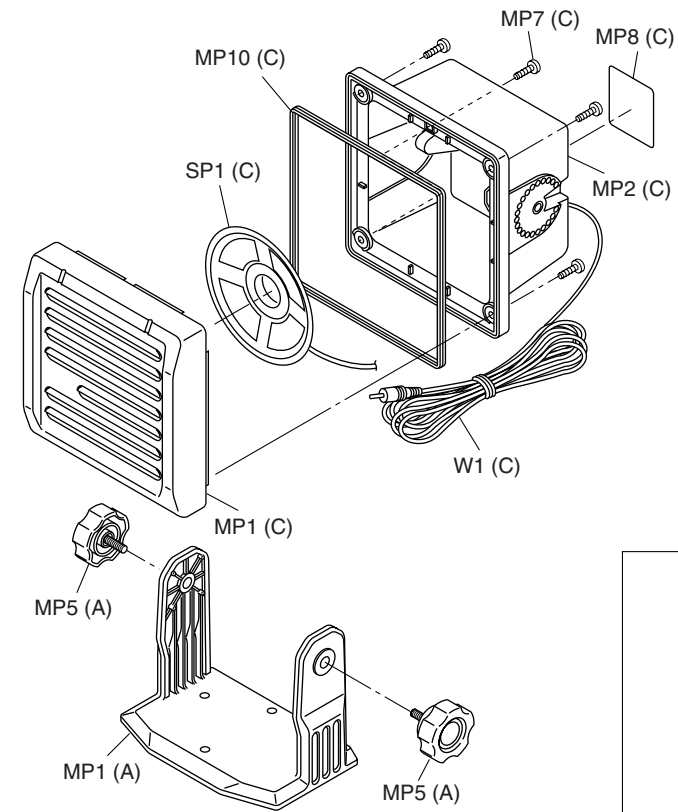


RC-25GMDSS

Unit abbreviations

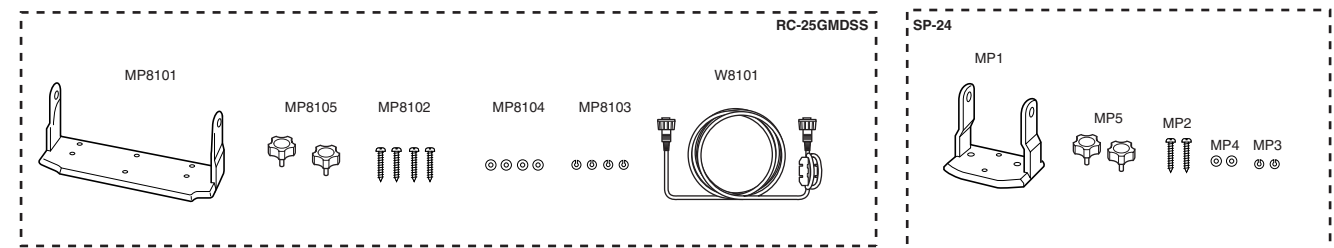
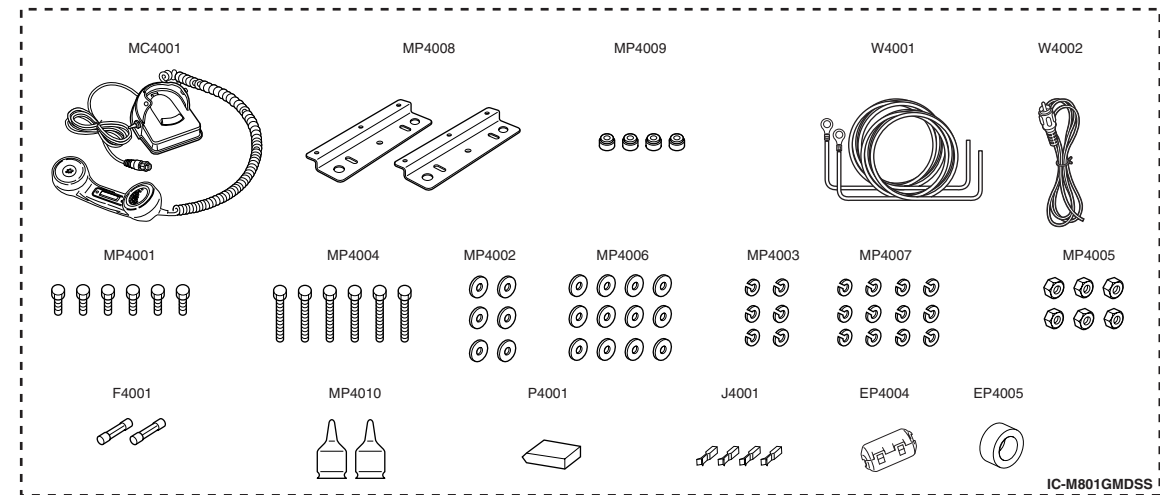
- (F): FRONT-A PARTS
- (D): DISPLAY-A BOARD
- (S): SENSOR-A BOARD
- (V): VR-A BOARD
- (C): CONNECT-A BOARD

SP-24E



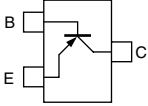
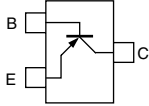
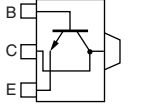
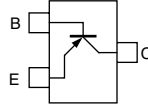
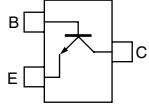
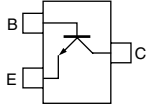
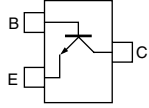
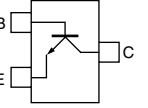
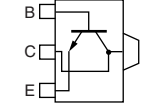
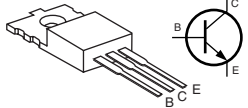
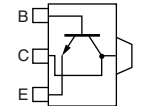
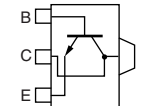
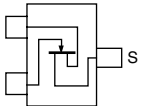
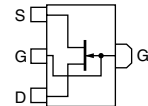
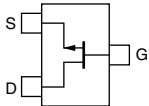
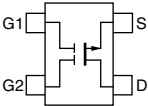
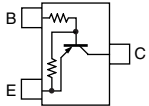
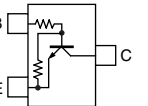
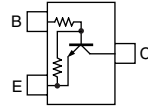
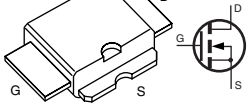
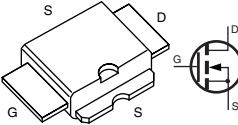
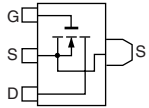
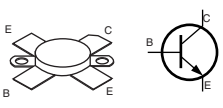
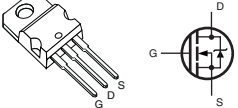
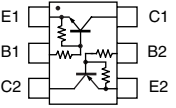
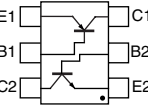
Unit abbreviations (C): CHASSIS PARTS
(A): ACCESSORY PARTS

ACCESSORIES

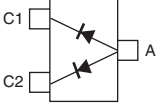
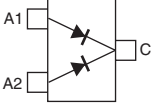
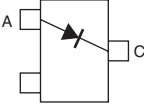

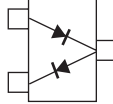
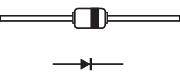
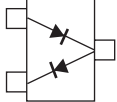
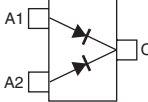
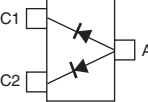
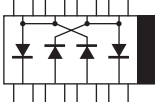
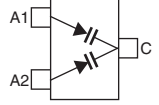








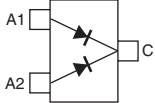

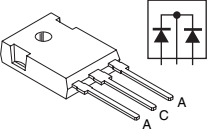
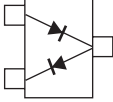

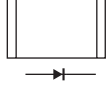


SECTION 7 SEMICONDUCTOR INFORMATION

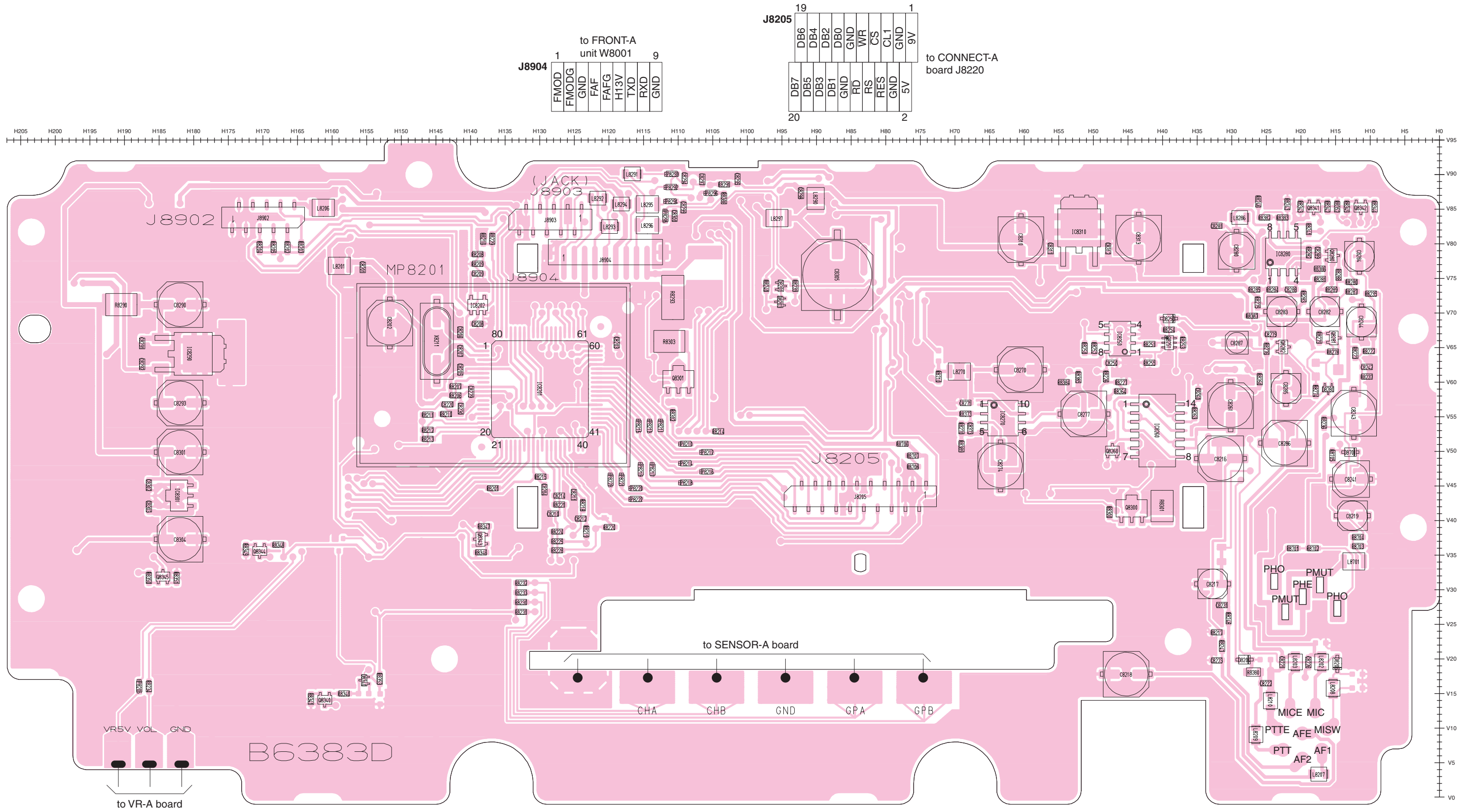
• TRANSISTORS AND FET'S

| | | | | |
|---|---|---|--|---|
| <p>2SA1037AK S (Symbol: FS)</p>  | <p>2SA1162 GR (Symbol: SG)</p>  | <p>2SA1213 Y (Symbol: NY)</p>  | <p>2SA1586 GR (Symbol: SG)</p>  | <p>2SC4116 BL (Symbol: LL)</p>  |
| <p>2SC4116 GR (Symbol: LG)</p>  | <p>2SC4213 B (Symbol: AB)</p>  | <p>2SC4215 O (Symbol: QO)</p>  | <p>2SC4673 D TD (Symbol: CO)</p>  | <p>2SD1585 K (Symbol: None)</p>  |
| <p>2SD1619 TD (Symbol: DB)</p>  | <p>2SD1619 T TD (Symbol: DB)</p>  | <p>2SK210 GR (Symbol: YG)</p>  | <p>2SK2171 4 TD (Symbol: KM)</p>  | <p>2SK508 K52 T2B (Symbol: K52)</p>  |
| <p>3SK131 T2 MAS (Symbol: V11)</p>  | <p>DTA114EUA T106 (Symbol: 16)</p>  | <p>DTC114EUA T106 (Symbol: 24)</p>  | <p>DTC144EUA T106 (Symbol: 26_)</p>  | <p>PD55003 (Symbol: PD55003)</p>  |
| <p>PD55015 (Symbol: PD55015)</p>  | <p>RD01MUS1 (Symbol: K2)</p>  | <p>SD1487 (Symbol: SD1487)</p>  | <p>STP120NF10 (Symbol: P120NF10)</p>  | <p>XP4312 (Symbol: 7T)</p>  |
| <p>XP4601 (Symbol: 5C)</p>  | | | | |

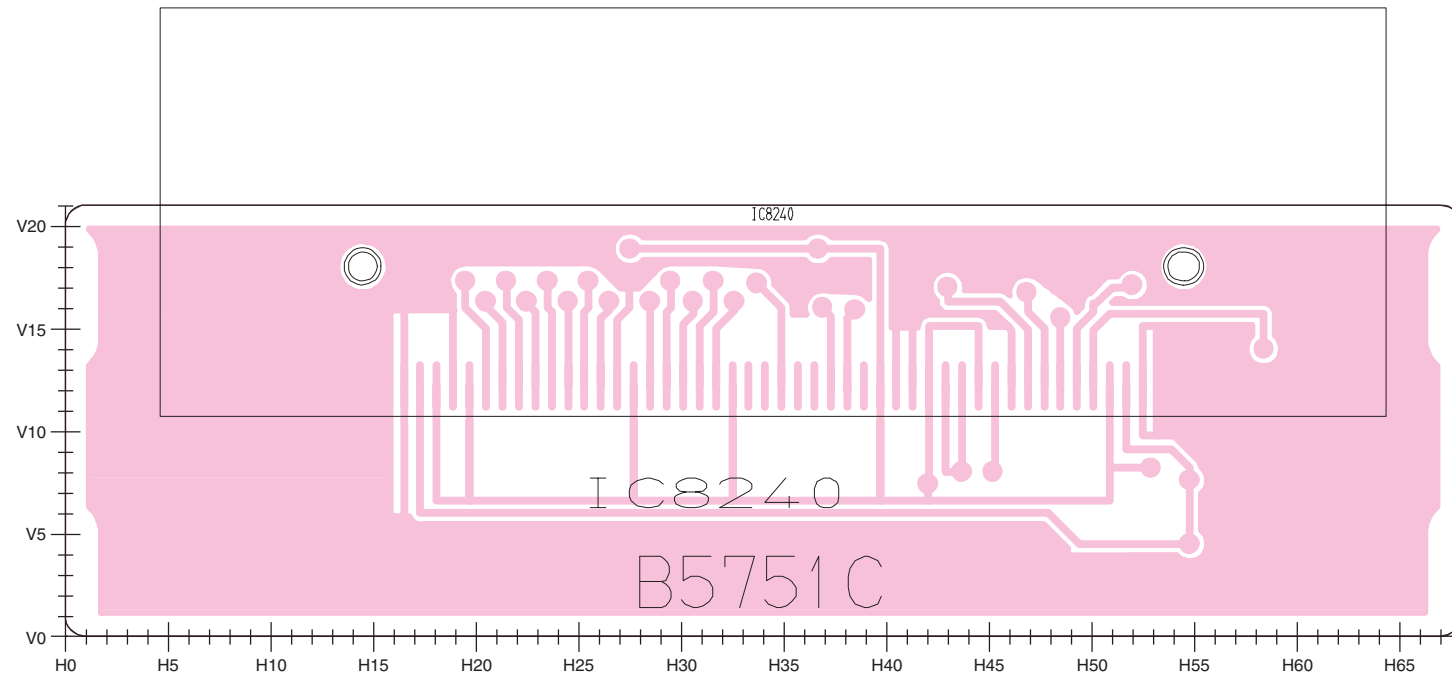
• DIODES

| | | | | |
|--|---|---|---|---|
| <p>1SS300 (Symbol: A3)</p>  | <p>1SS301 (Symbol: B3)</p>  | <p>1SS322 (Symbol: A9)</p>  | <p>1SS355 (Symbol: A)</p>  | <p>1SS375-TL (Symbol: FH)</p>  |
| <p>D1NL20U (Symbol: 2U)</p>  | <p>DA221 TL (Symbol: K)</p>  | <p>DAN222TL (Symbol: N)</p>  | <p>DAP222 TL (Symbol: P)</p>  | <p>HSB88WSTR (Symbol: Silver line)</p>  |
| <p>KV1770S (Symbol: C7)</p>  | <p>MA2S111 (Symbol: A)</p>  | <p>MA2S728 (Symbol: B)</p>  | <p>MA30-(TX) (Symbol: 3B)</p>  | <p>MA338 (Symbol: 6H)</p>  |
| <p>MA729 (Symbol: 2B)</p>  | <p>MA77 (Symbol: 4B)</p>  | <p>MA8051 M (Symbol: 5-1)</p>  | <p>MA8091 M (Symbol: 9-1)</p>  | <p>MA80WK (Symbol: M1Y)</p>  |
| <p>MA8150 M (Symbol: 15-)</p>  | <p>MUR3020WT (Symbol: U3020)</p>  | <p>RB706F-40 T106 (Symbol: 3J)</p>  | <p>S3V60 (Symbol: None)</p>  | <p>UX9401F-STD/TR (Symbol: None)</p>  |

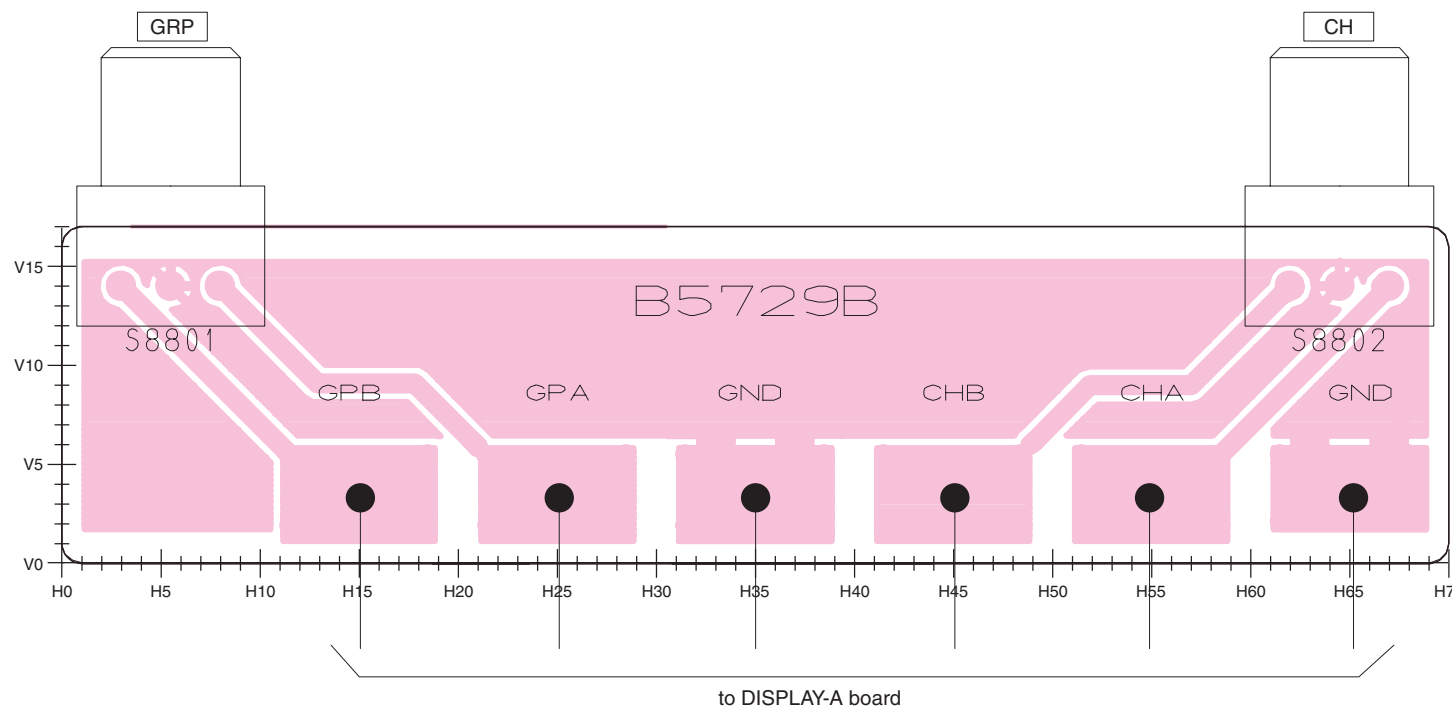
• BOTTOM VIEW (DISPLAY-A BOARD)



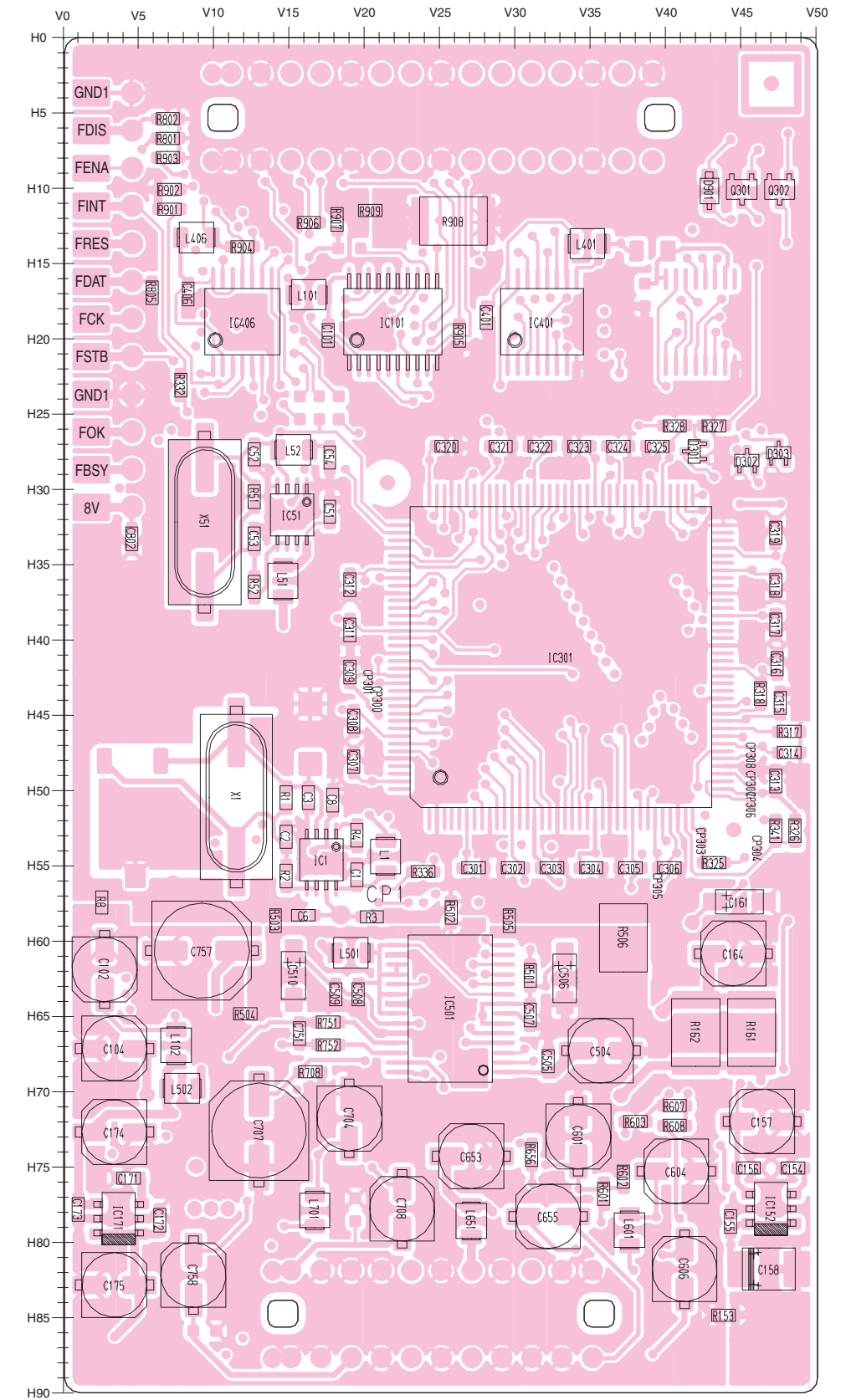
8-1-2 CONNECT-A BOARD
• TOP VIEW



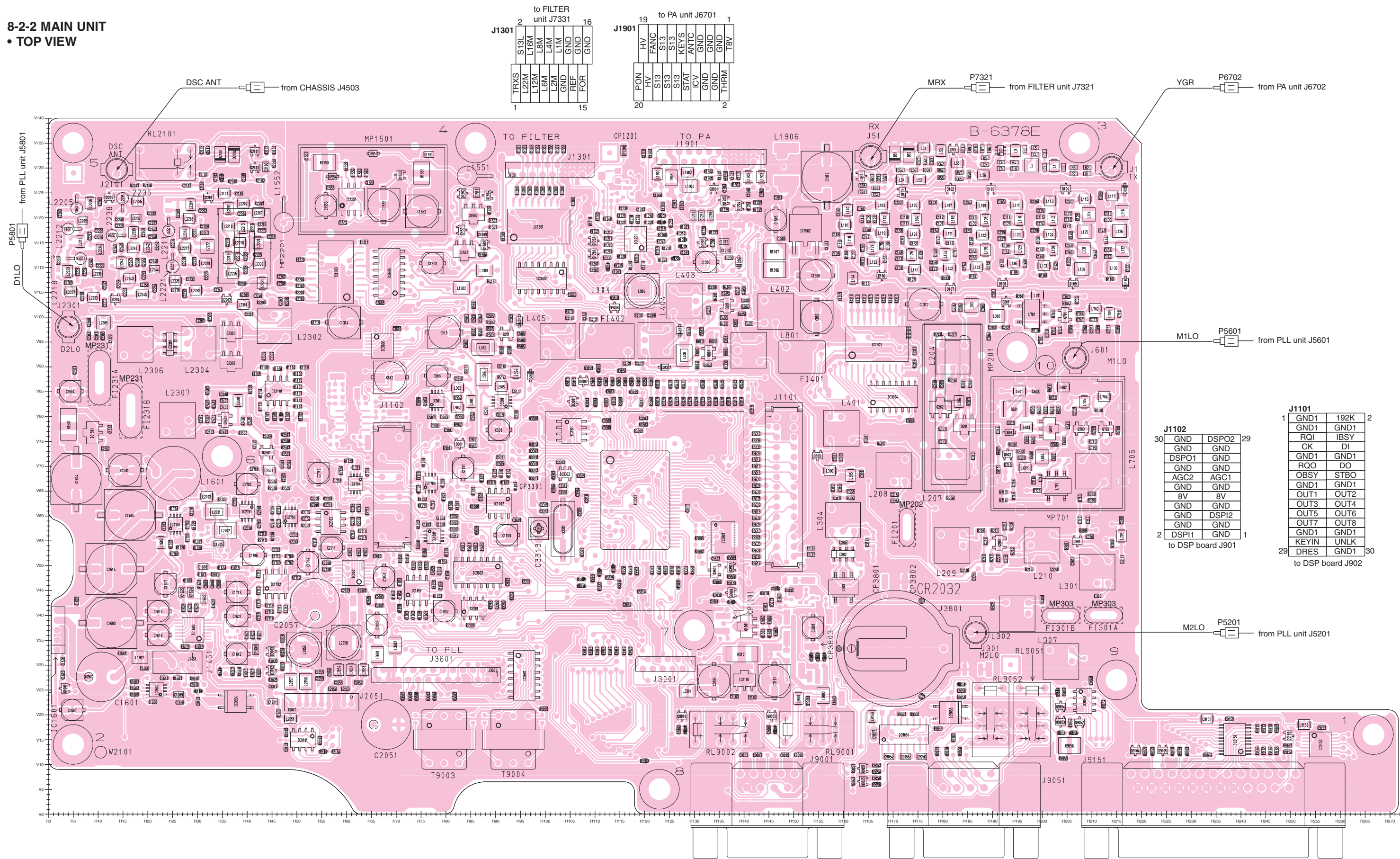
8-1-3 SENSOR-A BOARD



8-2 IC-M801GMDSS
8-2-1 DSP BOARD
• TOP VIEW



8-2-2 MAIN UNIT
• TOP VIEW



J1301

| | |
|----|------|
| 1 | TRXS |
| 2 | S13L |
| 3 | L16M |
| 4 | L12M |
| 5 | L8M |
| 6 | L6M |
| 7 | L4M |
| 8 | L1M |
| 9 | GND |
| 10 | REF |
| 11 | FOR |
| 12 | GND |
| 13 | GND |
| 14 | GND |
| 15 | GND |
| 16 | GND |

J1901

| | |
|----|------|
| 1 | T8V |
| 2 | GND |
| 3 | GND |
| 4 | GND |
| 5 | ANTC |
| 6 | KEYS |
| 7 | STAT |
| 8 | S13 |
| 9 | S13 |
| 10 | S13 |
| 11 | FANC |
| 12 | HV |
| 13 | PON |
| 14 | GND |
| 15 | GND |
| 16 | GND |
| 17 | GND |
| 18 | GND |
| 19 | GND |

J1101

| | | | |
|----|-------|------|----|
| 1 | GND1 | 192K | 2 |
| 2 | GND1 | GND1 | |
| 3 | RQ1 | IBSY | |
| 4 | CK | DI | |
| 5 | GND1 | GND1 | |
| 6 | RQ0 | DO | |
| 7 | OBSY | STBO | |
| 8 | GND1 | GND1 | |
| 9 | OUT1 | OUT2 | |
| 10 | OUT3 | OUT4 | |
| 11 | OUT5 | OUT6 | |
| 12 | OUT7 | OUT8 | |
| 13 | GND1 | GND1 | |
| 14 | KEYIN | UNLK | |
| 15 | DRES | GND1 | 30 |

to DSP board J902

J1102

| | | | |
|----|-------|-------|----|
| 1 | GND | DSP02 | 29 |
| 2 | GND | GND | |
| 3 | DSP01 | GND | |
| 4 | GND | GND | |
| 5 | AGC2 | AGC1 | |
| 6 | GND | GND | |
| 7 | 8V | 8V | |
| 8 | GND | GND | |
| 9 | GND | DSP12 | |
| 10 | GND | GND | |
| 11 | DSP11 | GND | 1 |

to DSP board J901

J1451

| | |
|---|------|
| 1 | GPS+ |
| 2 | GPS- |
| 3 | SPO |
| 4 | SPE |

from GPS ANT/
speaker SP-24

J2051

| | |
|---|-------|
| 1 | FMODG |
| 2 | GND |
| 3 | FAF |
| 4 | FAFG |
| 5 | H13V |
| 6 | TXD |
| 7 | TXD |
| 8 | NC |
| 9 | NC |

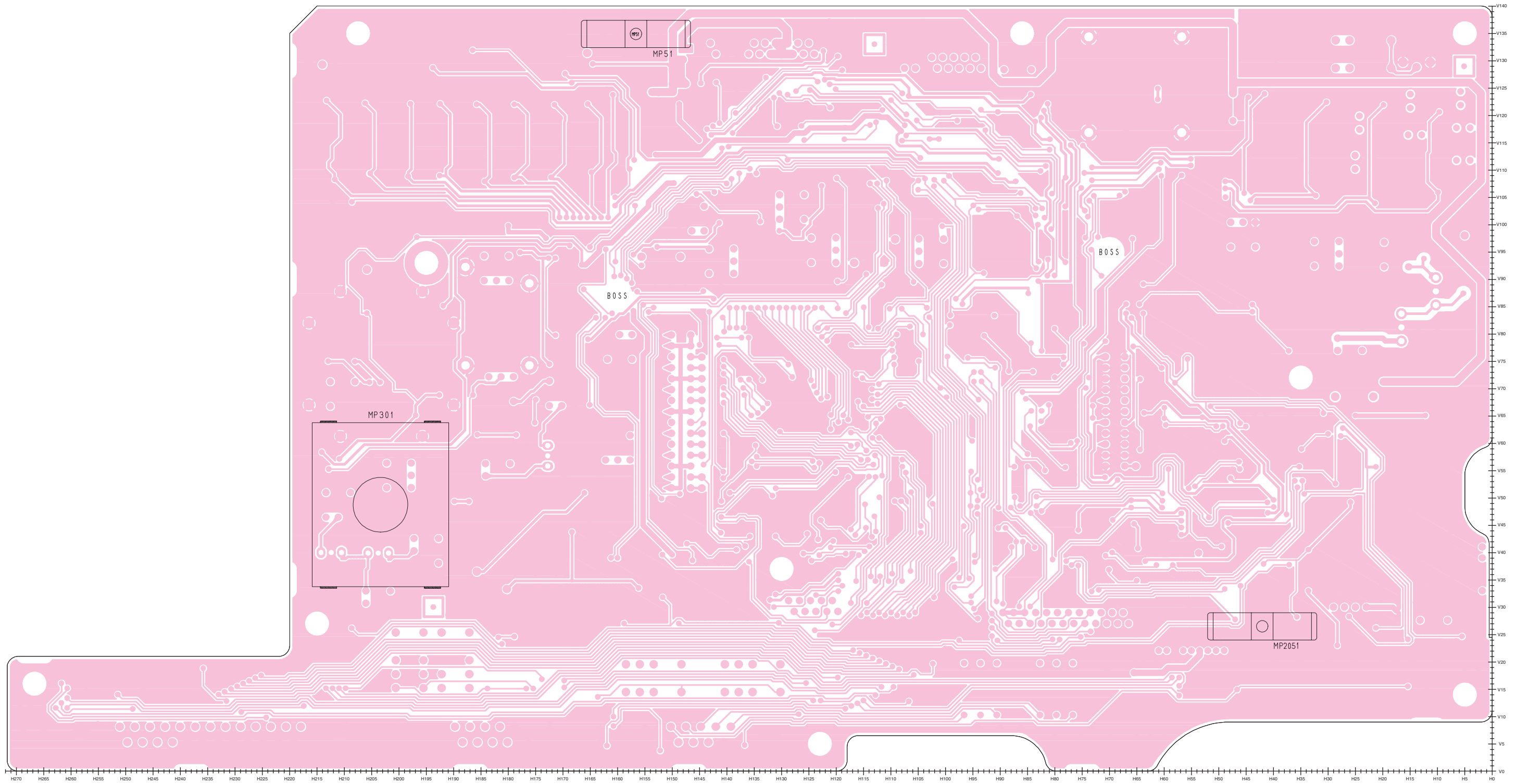
to RC-25GMDSS

J3601

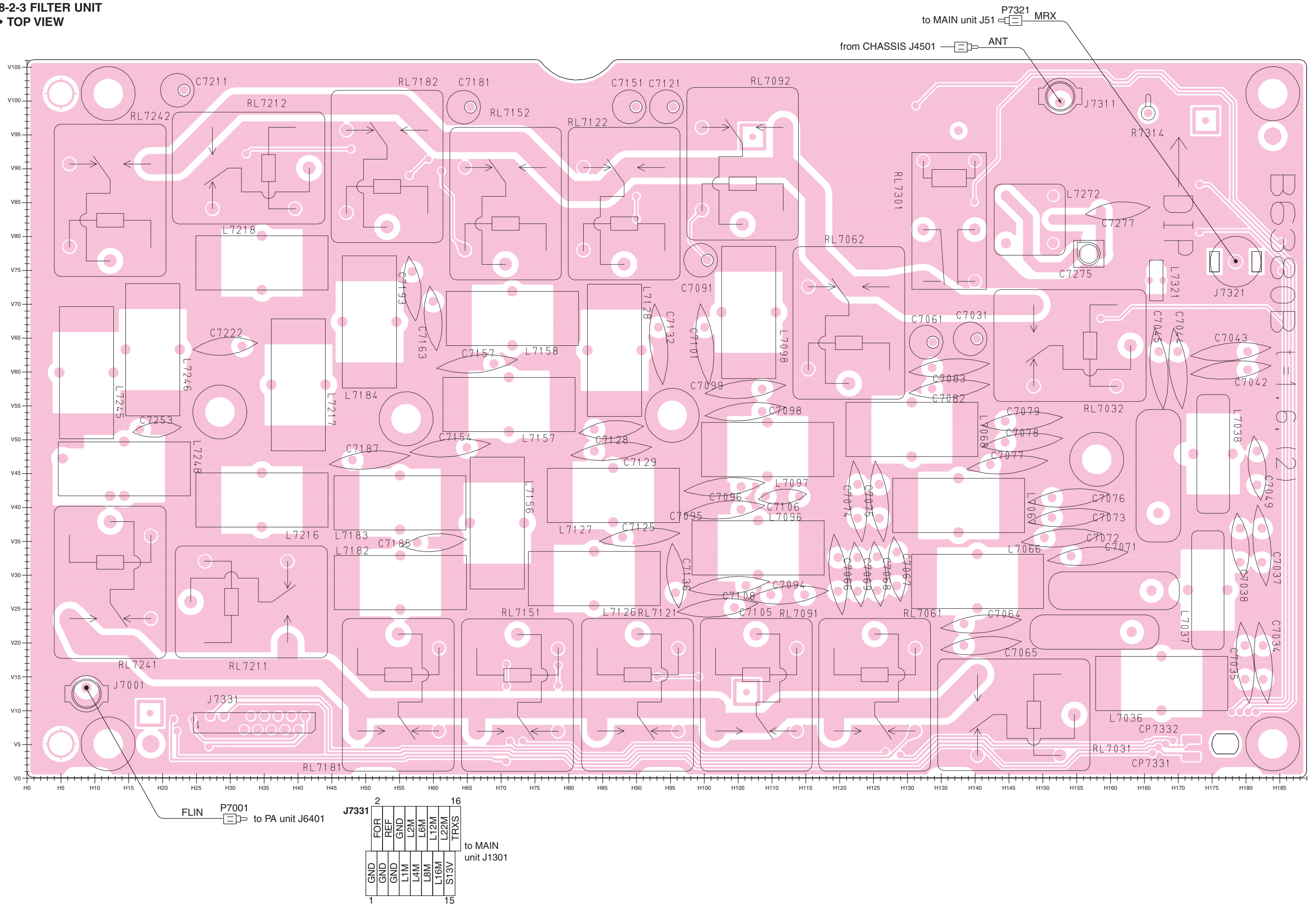
| | |
|----|------|
| 1 | GND |
| 2 | D2LO |
| 3 | M3LO |
| 4 | GND |
| 5 | NC |
| 6 | REFS |
| 7 | DRES |
| 8 | PCO2 |
| 9 | PST2 |
| 10 | PST1 |
| 11 | PK |
| 12 | UNLK |
| 13 | S13P |
| 14 | S13P |
| 15 | S13P |
| 16 | H13P |
| 17 | H13P |
| 18 | H13P |
| 19 | H13P |
| 20 | H13P |
| 21 | H13P |
| 22 | H13P |
| 23 | H13P |
| 24 | H13P |

to PLL unit J5001

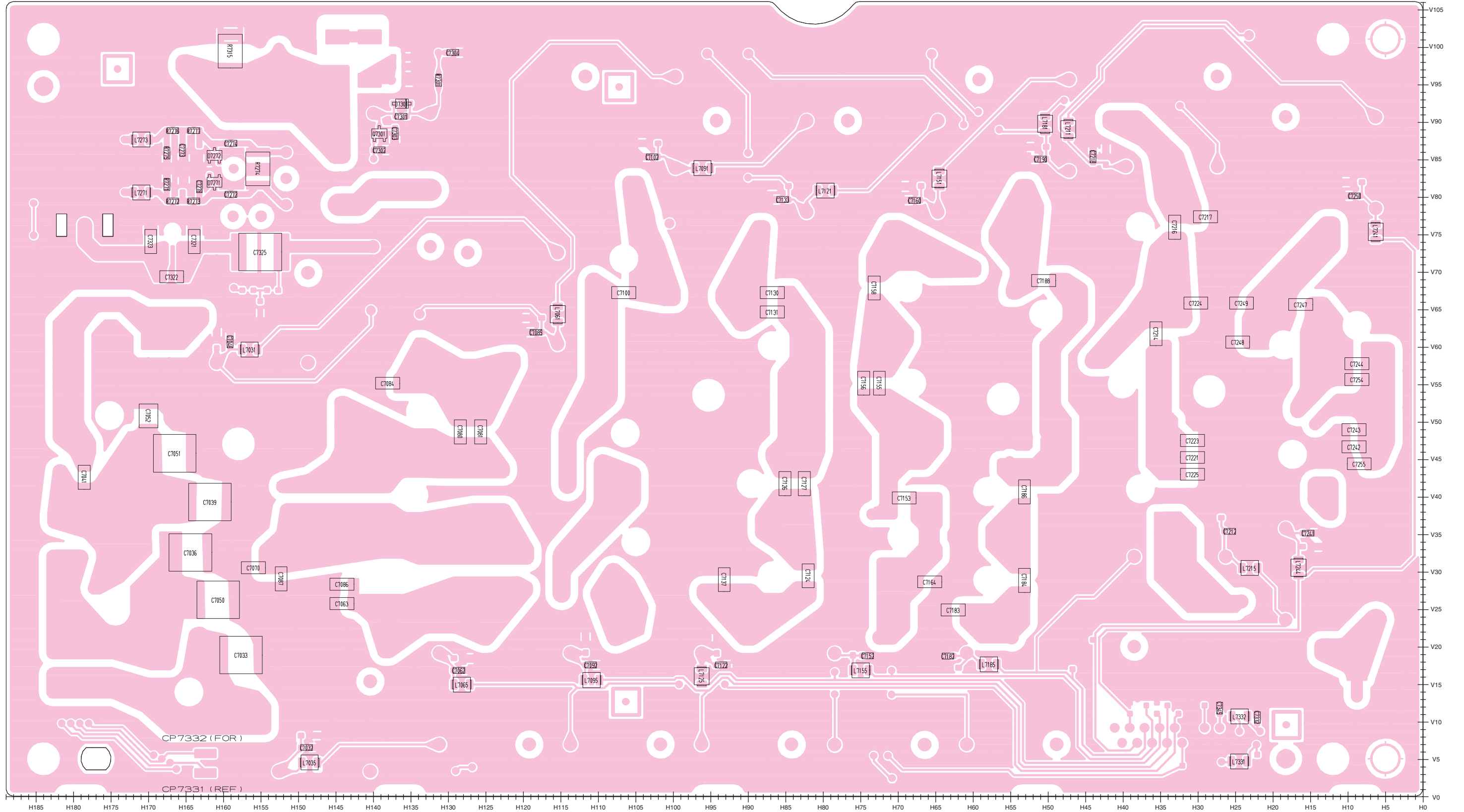
• BOTTOM VIEW (MAIN UNIT)



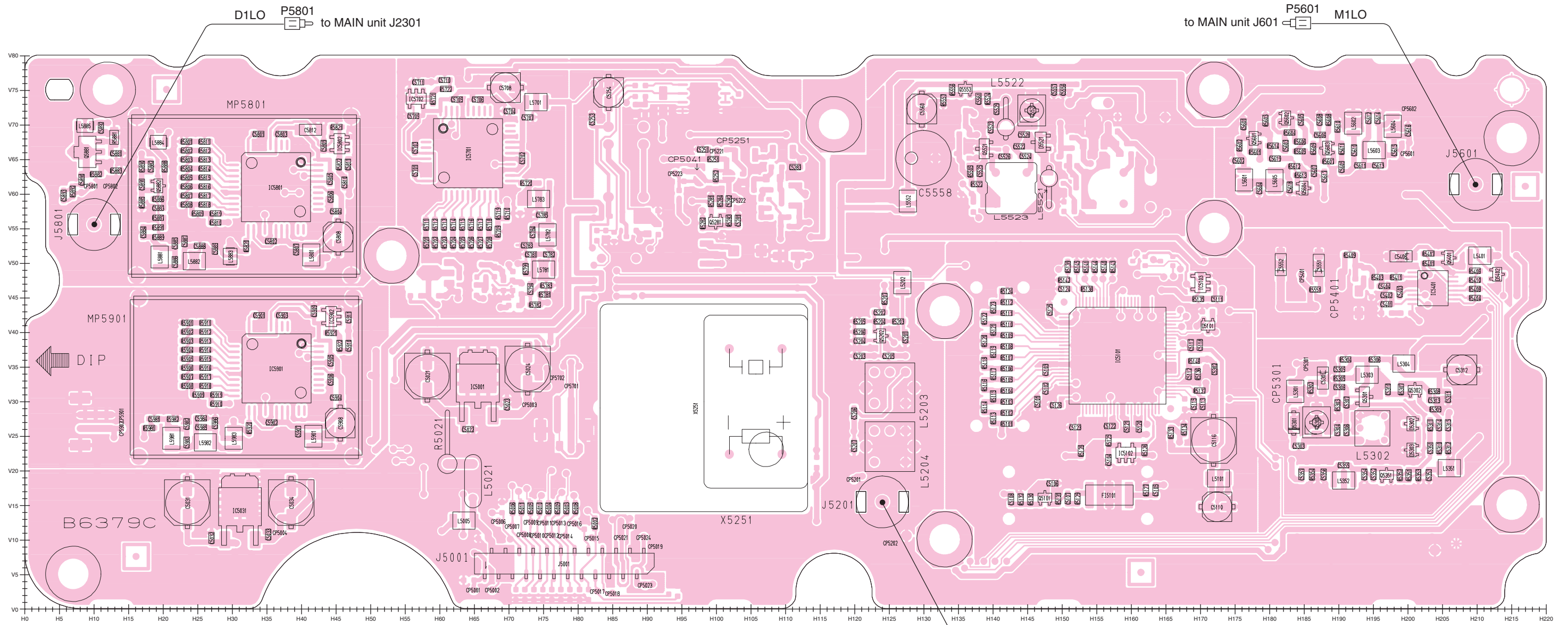
8-2-3 FILTER UNIT
• TOP VIEW



• BOTTOM VIEW (FILTER UNIT)

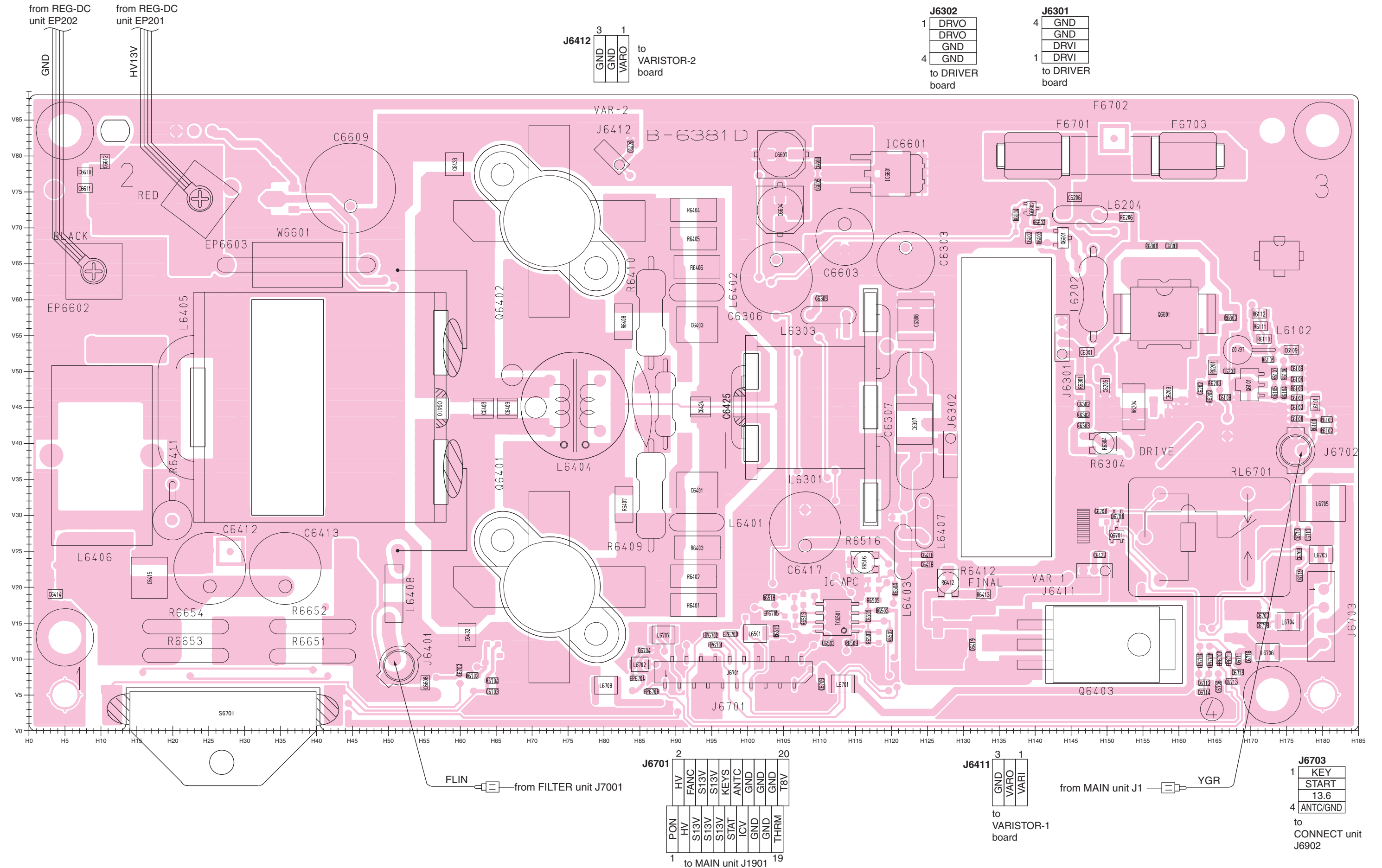


8-2-4 PLL UNIT



| | |
|--------------------|------|
| 2 | |
| J5001 | 24 |
| H13V | S13V |
| S13V | UNLK |
| PDAT | PCK |
| PST1 | PST2 |
| PST3 | PCO2 |
| PST4 | PST5 |
| DRES | REFV |
| REFS | PTMP |
| GND | GND |
| M3LO | D2LO |
| 1 | 23 |
| to MAIN unit J3601 | |

8-2-5 PA UNIT



J6412

| | |
|-----|------|
| 3 | 1 |
| GND | GND |
| GND | VARO |

to VARISTOR-2 board

J6302

| | |
|---|------|
| 1 | DRVO |
| 1 | DRVO |
| 1 | GND |
| 4 | GND |

to DRIVER board

J6301

| | |
|---|------|
| 4 | GND |
| 1 | GND |
| 1 | DRVI |
| 1 | DRVI |

to DRIVER board

J6701

| | |
|------|------|
| 2 | 19 |
| HV | FANC |
| S13V | S13V |
| S13V | S13V |
| S13V | S13V |
| KEYS | ANTC |
| ANTC | GND |
| GND | GND |
| GND | GND |
| ICV | ICV |
| THRM | T8V |

to MAIN unit J1901

J6411

| | |
|------|------|
| 3 | 1 |
| GND | VARO |
| VARO | VARI |

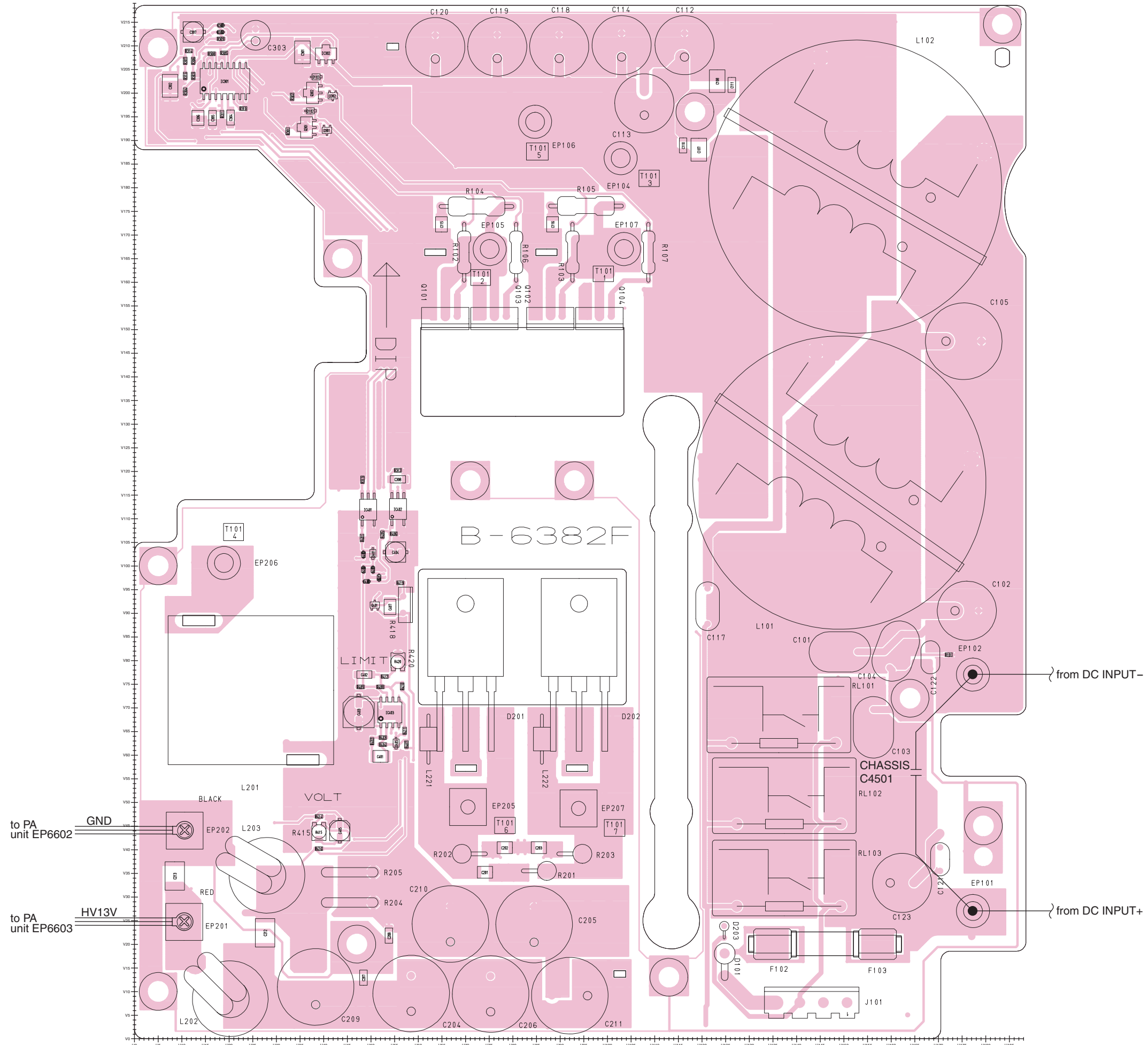
to VARISTOR-1 board

J6703

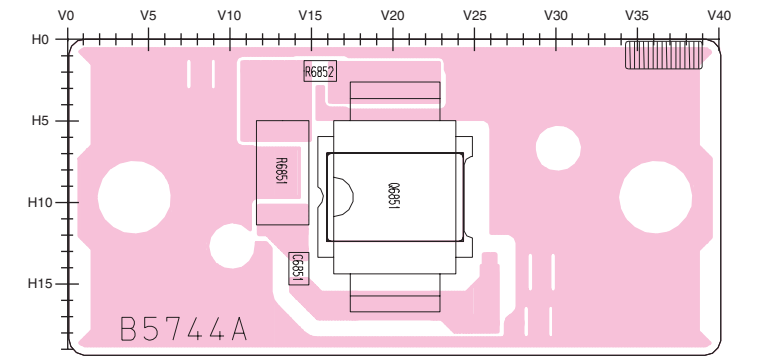
| | |
|---|----------|
| 1 | KEY |
| 1 | START |
| 1 | 13.6 |
| 4 | ANTC/GND |

to CONNECT unit J6902

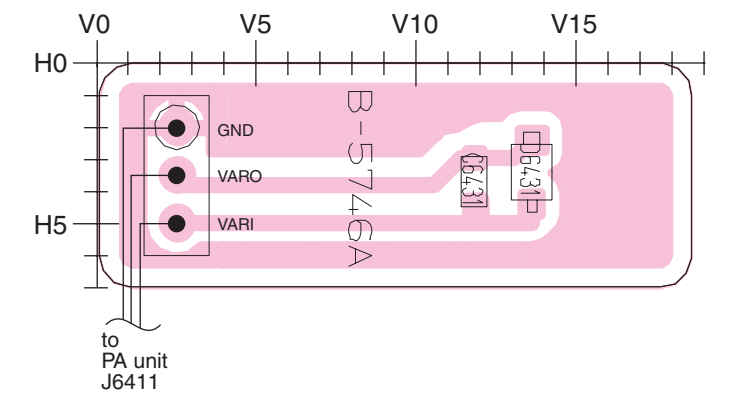
8-2-6 REG-DC UNIT
• TOP VIEW



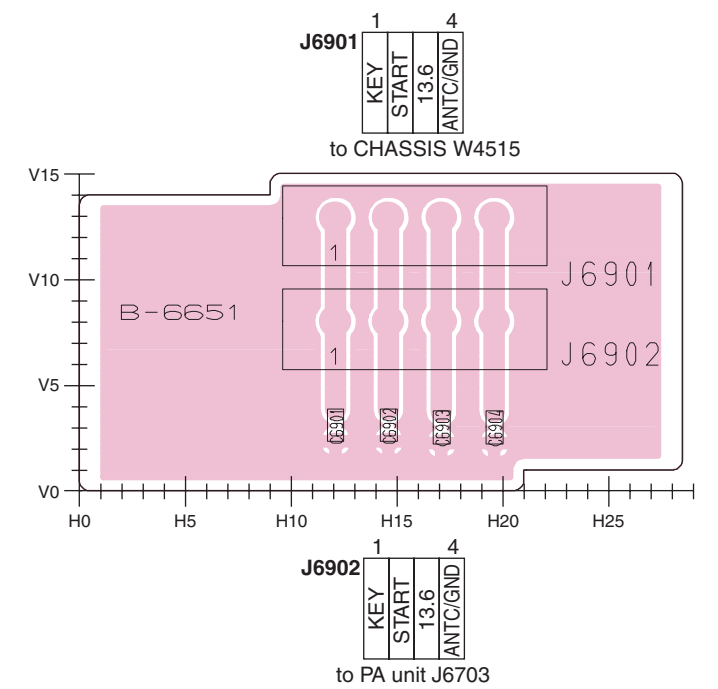
8-2-7 DRIVER BOARD
• TOP VIEW



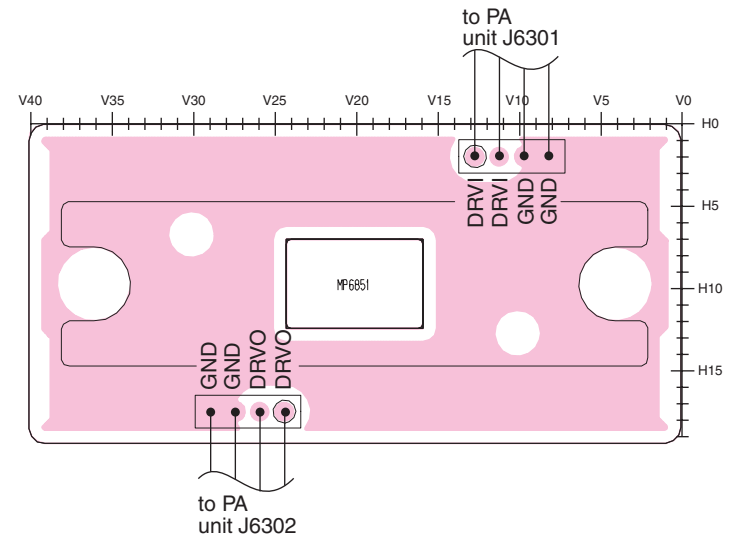
8-2-8 VARISTAR-1 BOARD



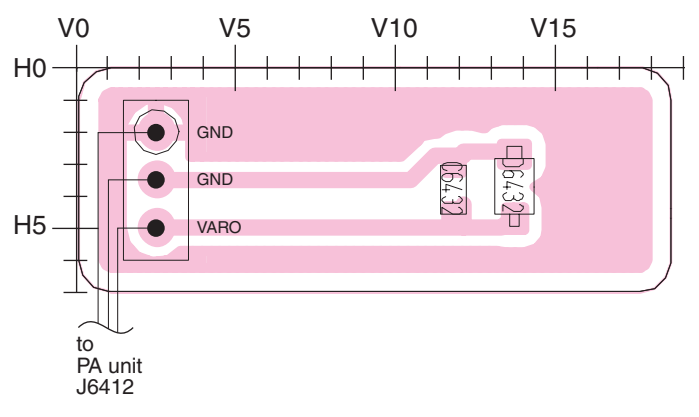
8-2-9 CONNECT UNIT



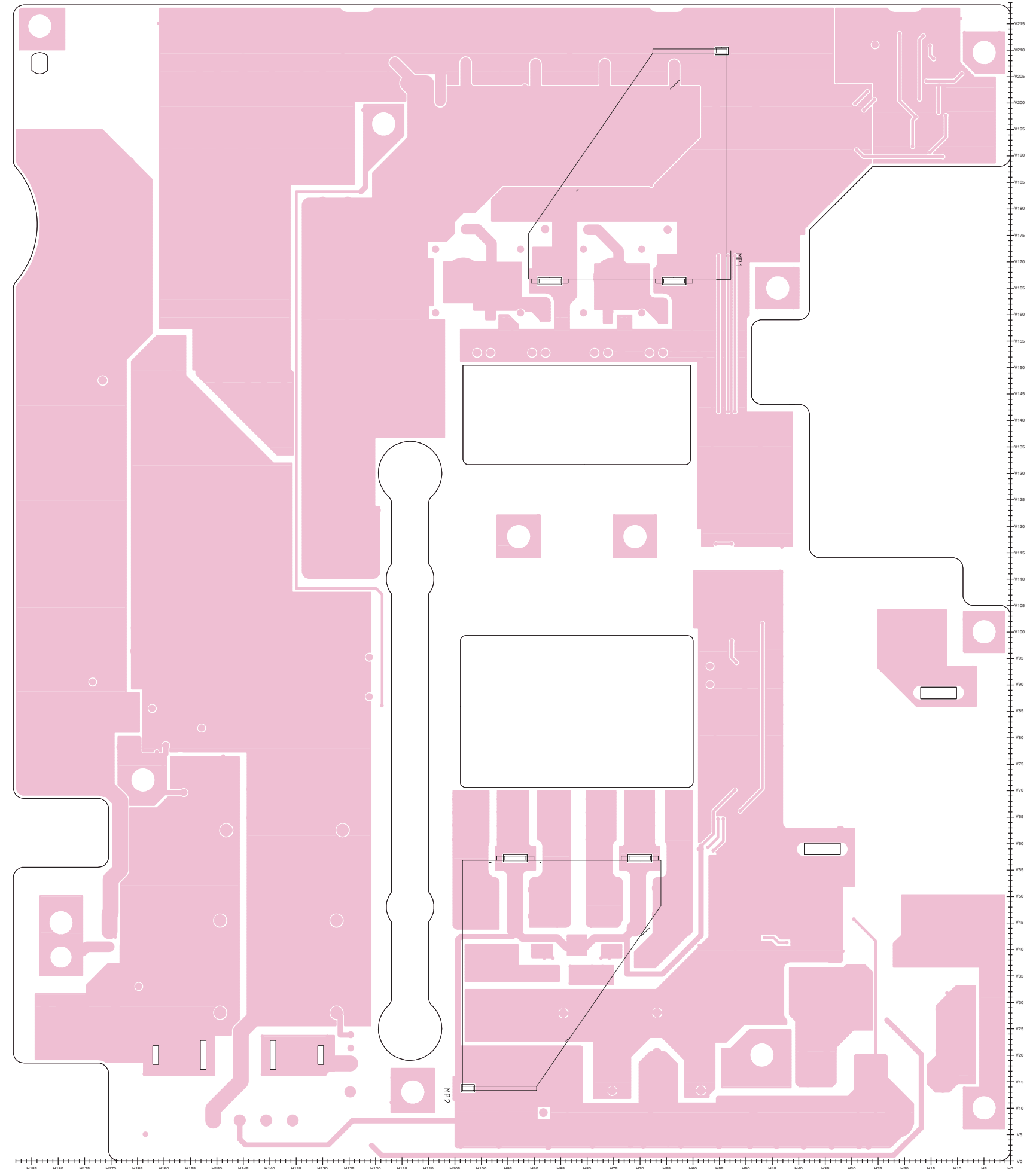
• BOTTOM VIEW (DRIVER BOARD)



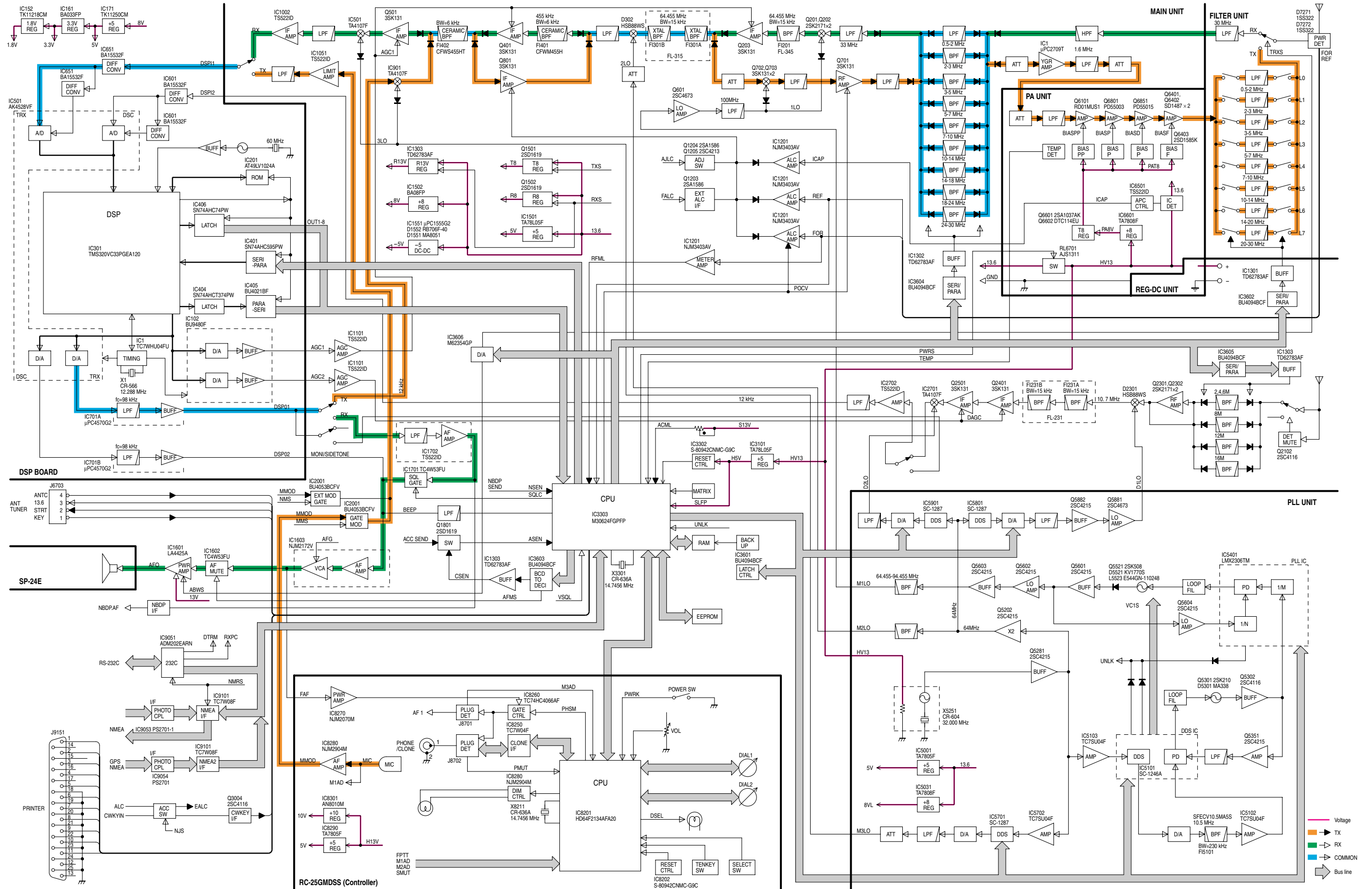
8-2-10 VARISTAR-2 BOARD



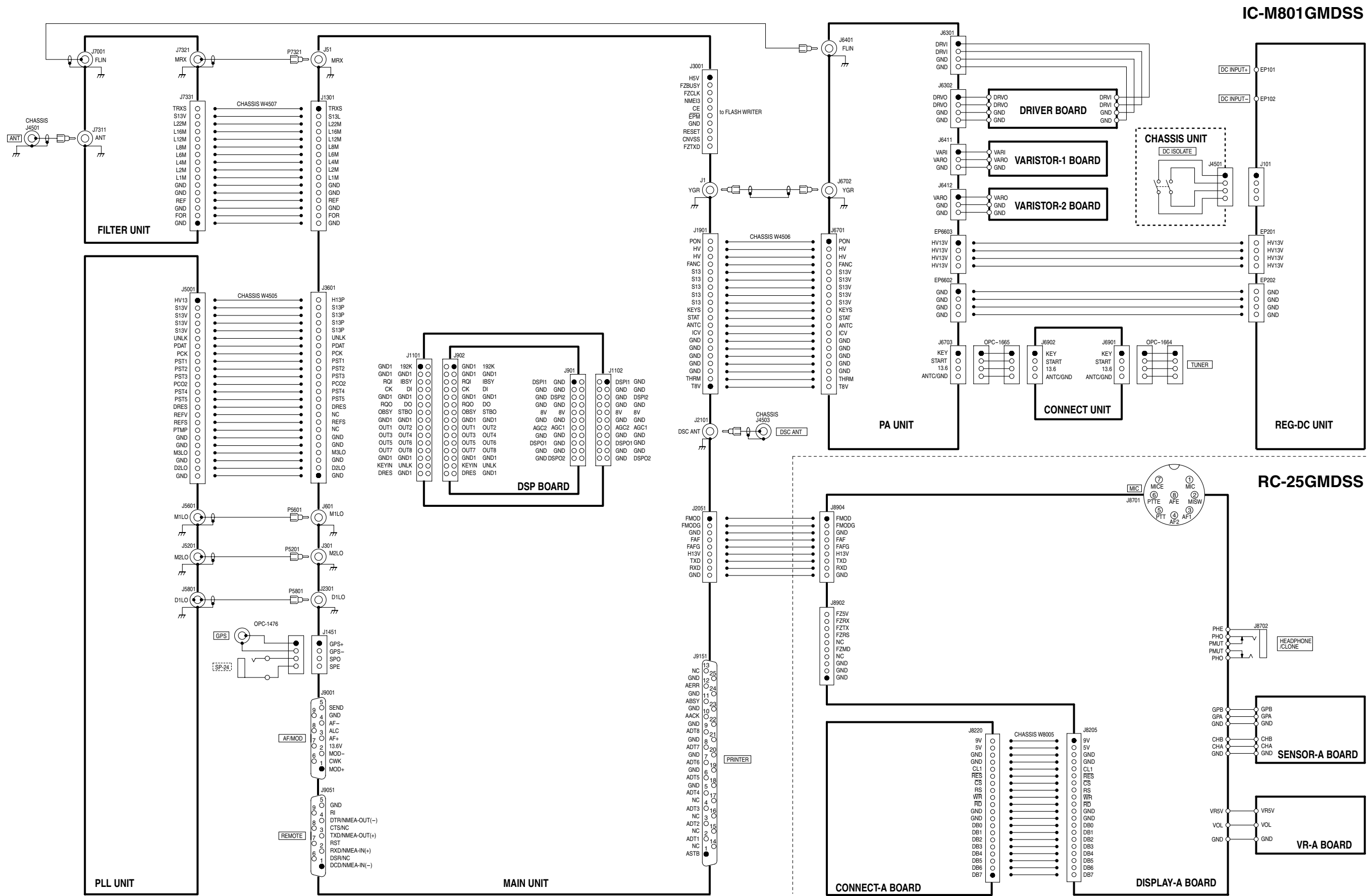
• BOTTOM VIEW (REG-DC UNIT)



SECTION 9 BLOCK DIAGRAM

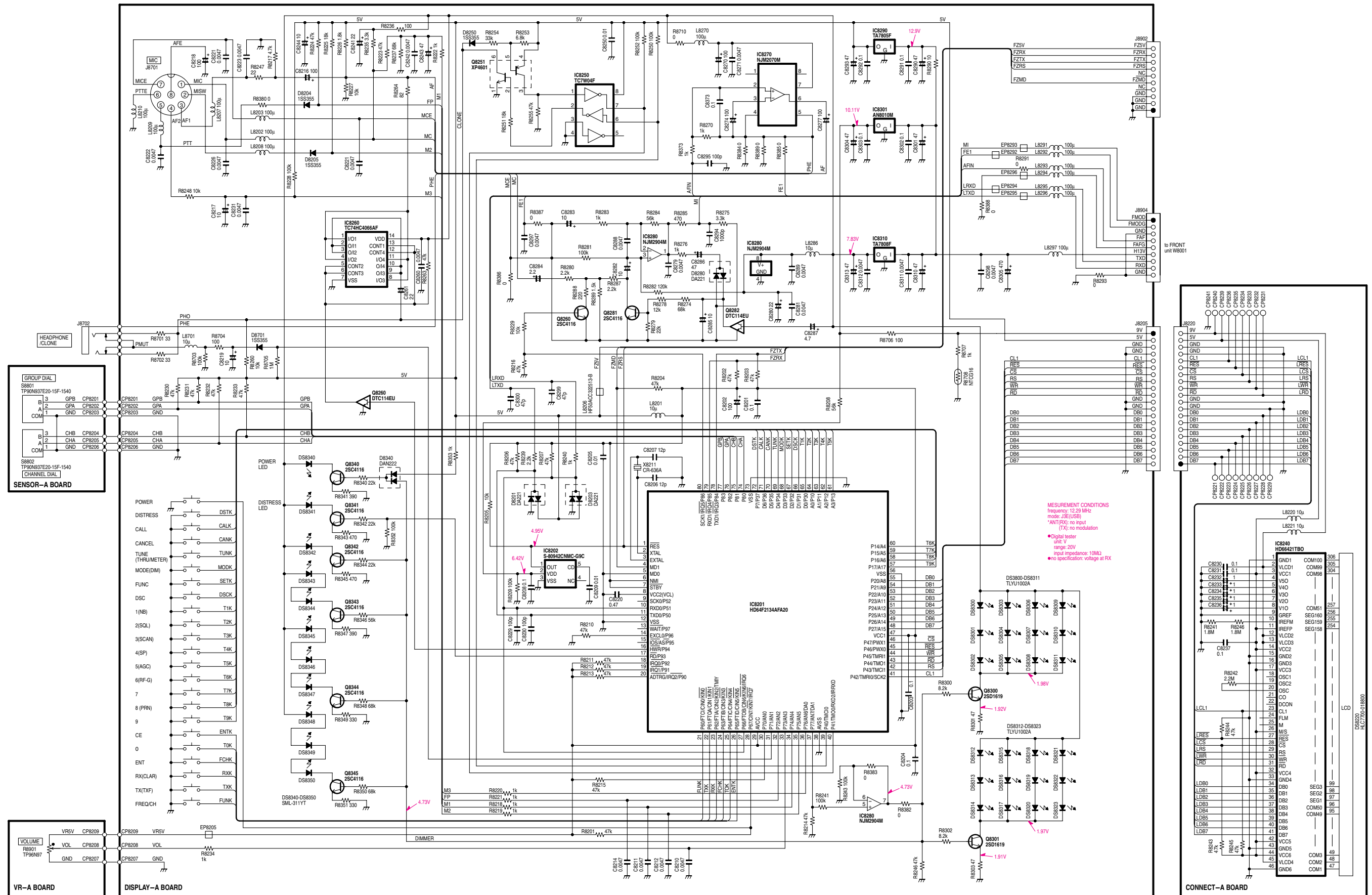


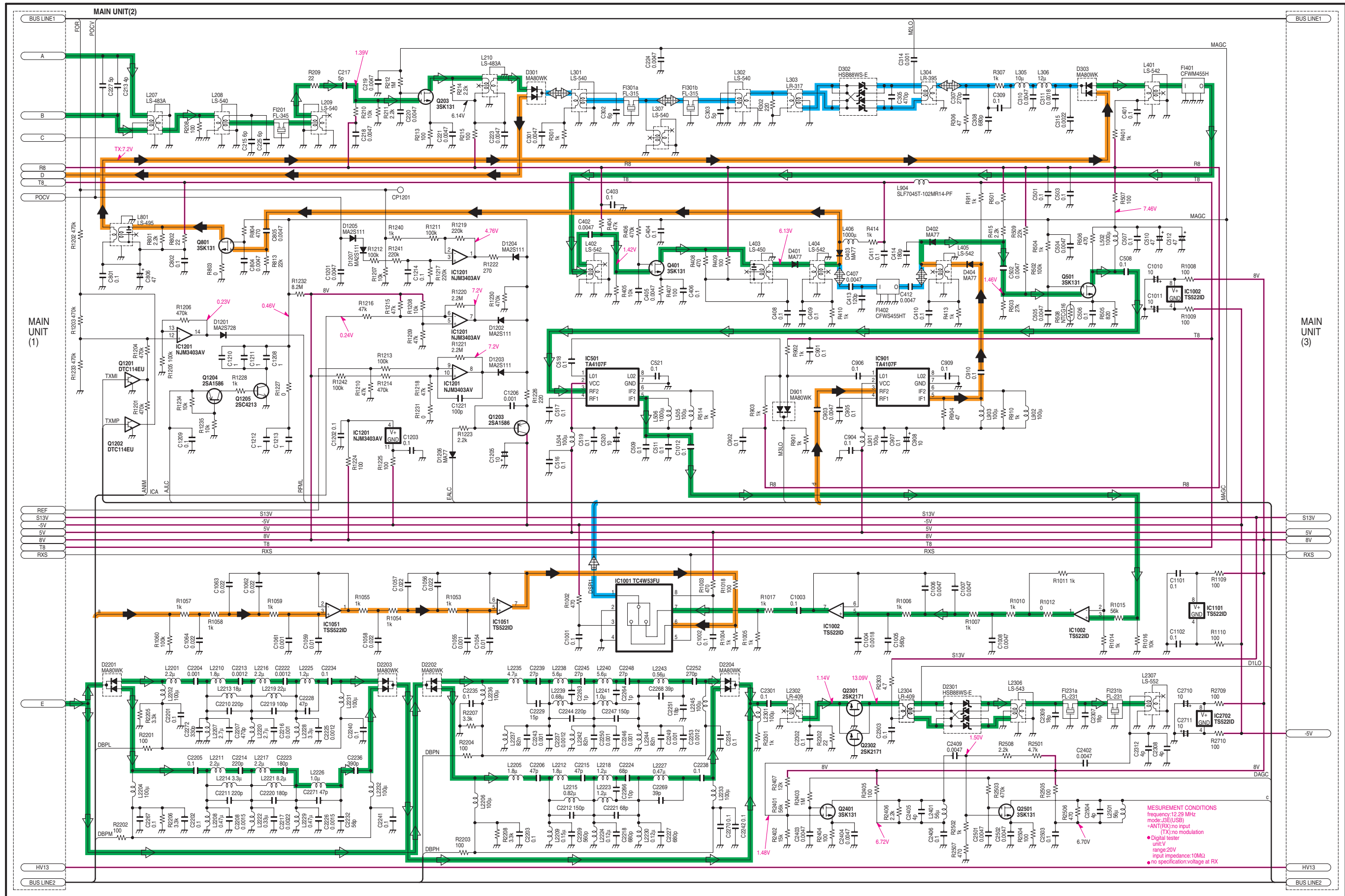
SECTION 10 WIRING DIAGRAM



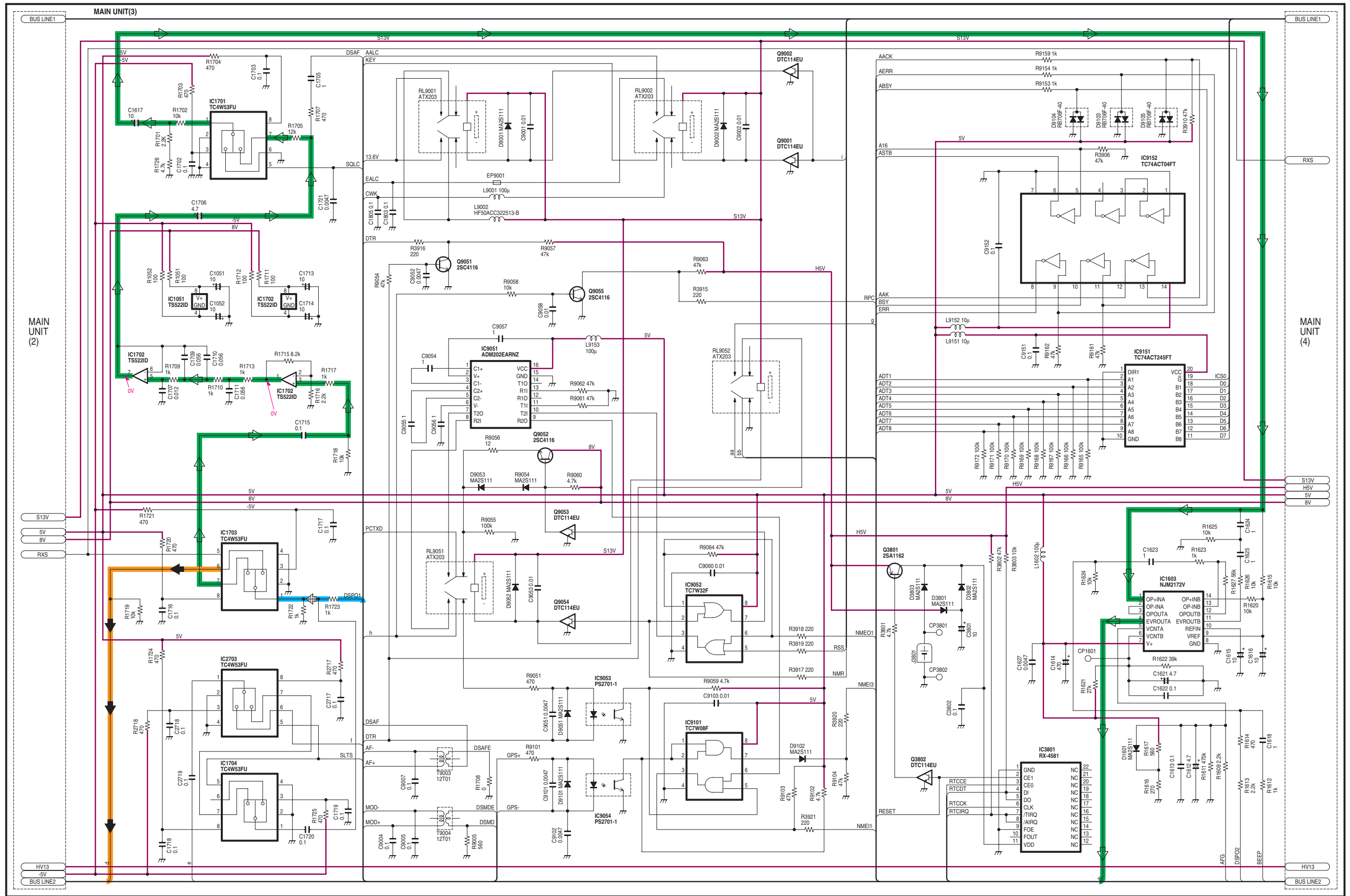
SECTION 11 VOLTAGE DIAGRAMS

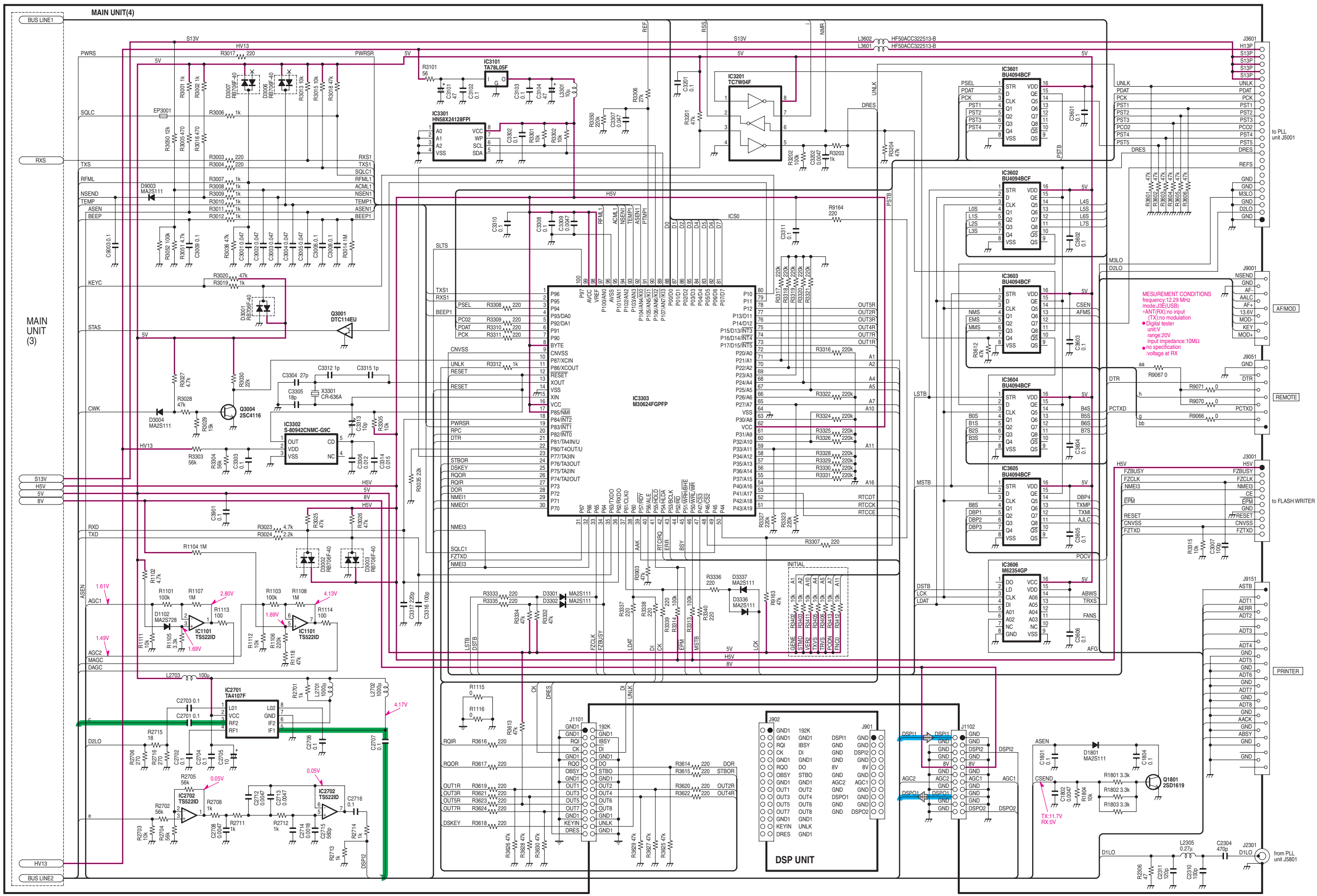
11-1 RC-25GMDSS





MEASUREMENT CONDITIONS
 frequency: 12.29 MHz
 mode: J3E(USB)
 *ANTI (RX) no input
 TX: no modulation
 • Digital tester
 unit: V
 range: 20V
 input impedance: 10MΩ
 • no specification voltage at RX

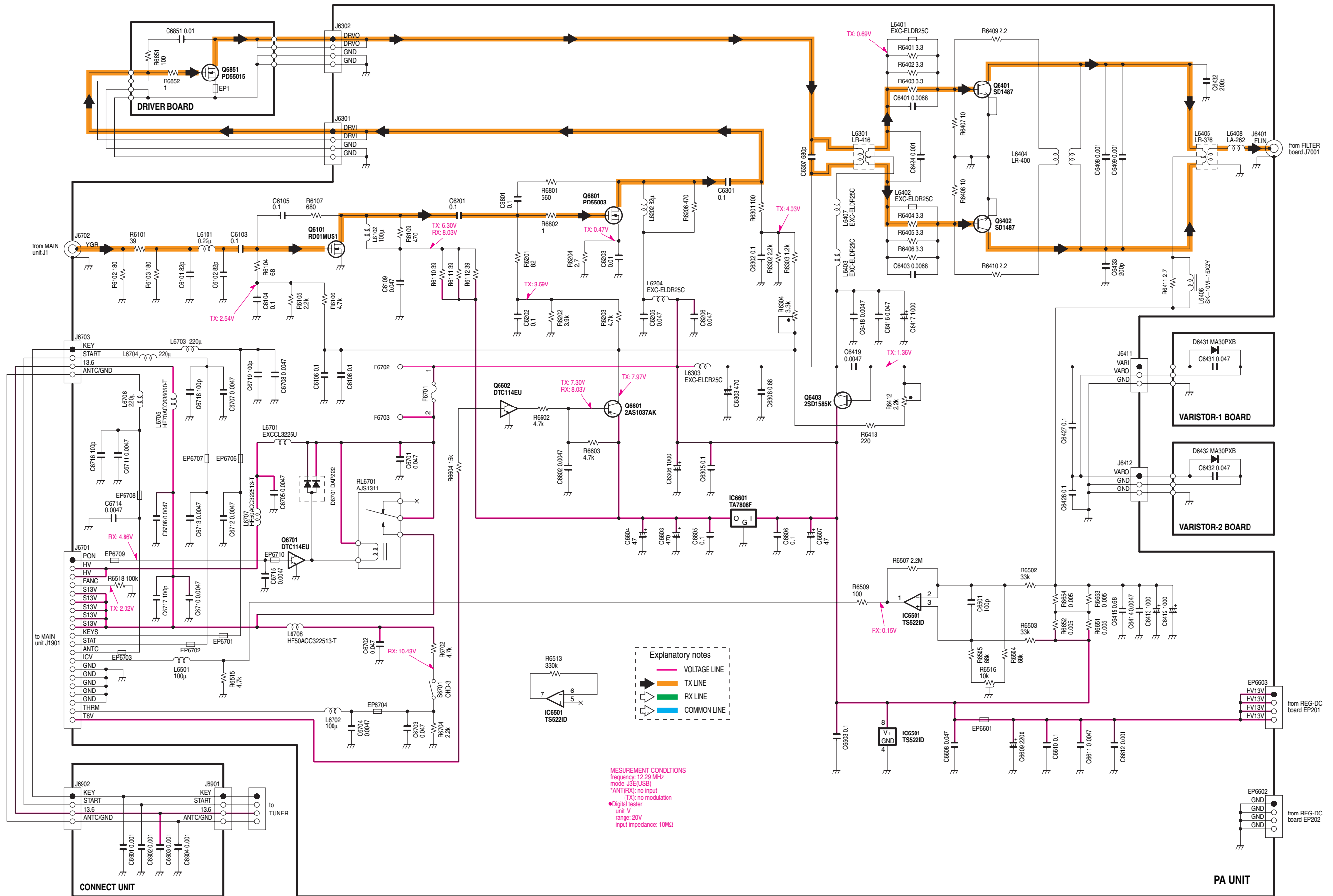




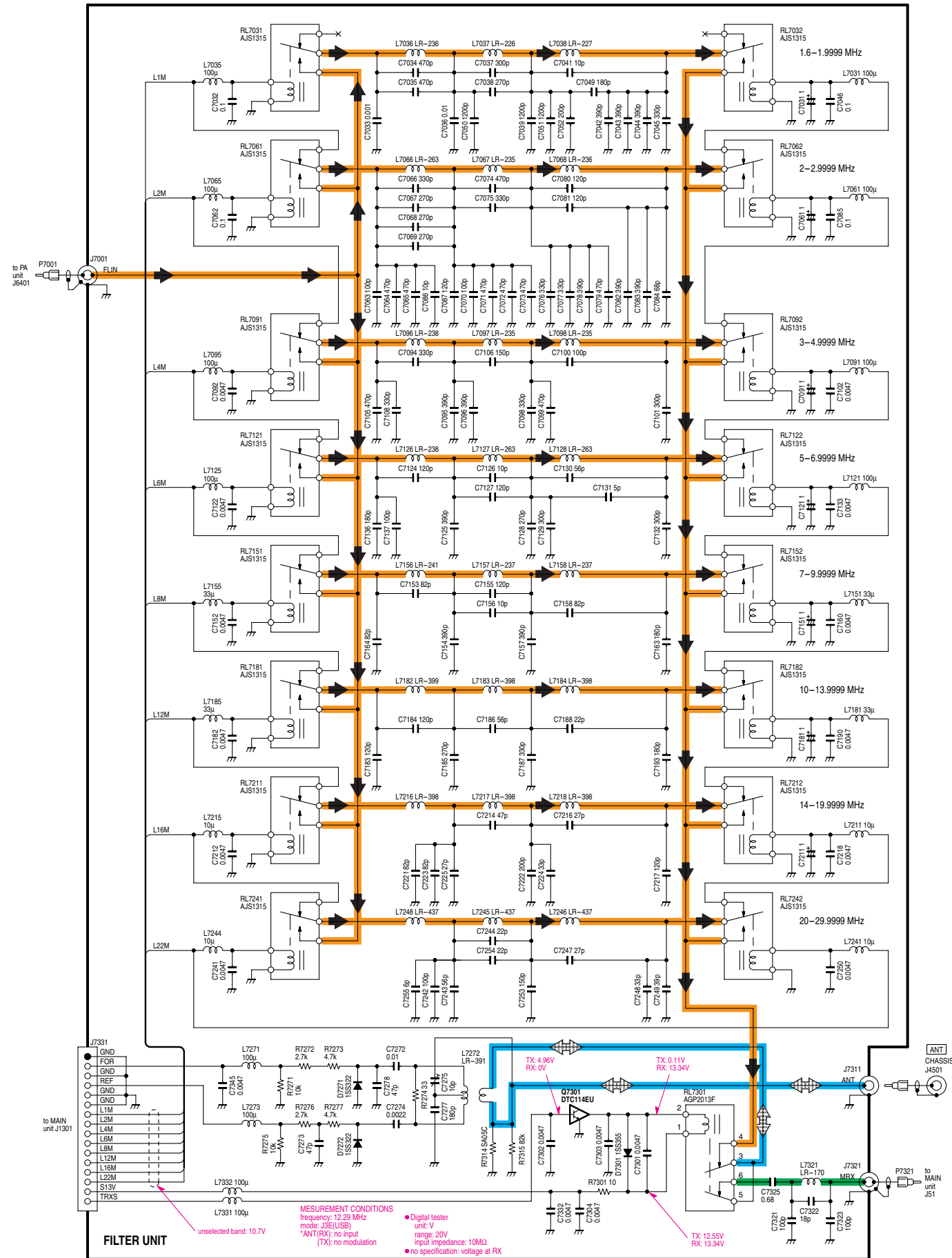
MEASUREMENT CONDITIONS
 frequency: 12.29 MHz
 mode: J3E (USB)
 +ANTENNA input (TX) no modulation
 Digital tester unit V range: 20V input impedance: 10MΩ
 no specification voltage at RX

to FLASH WRITER
 to PLL unit J501
 to PLL unit J501

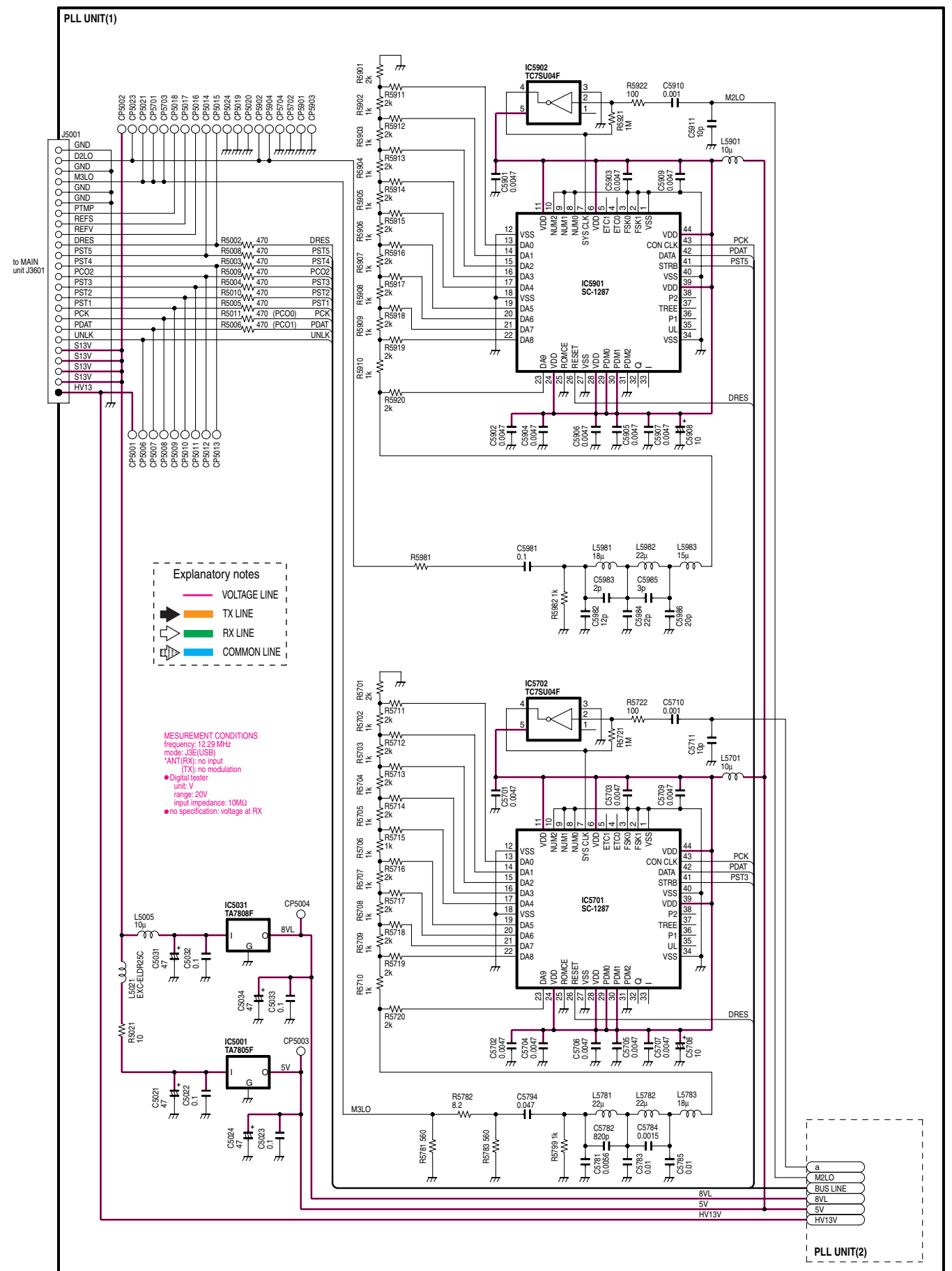
11-3 PA UNIT

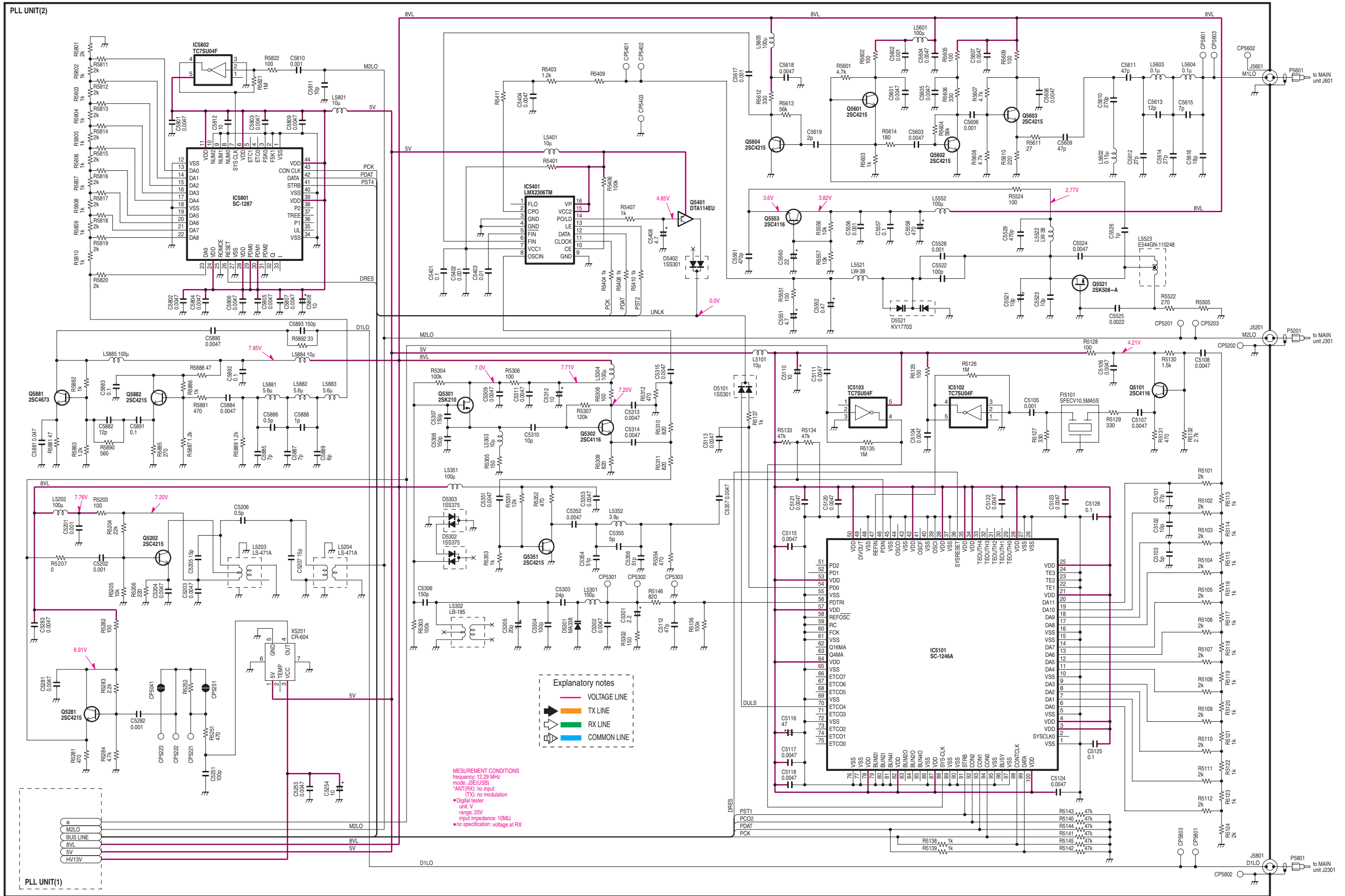


11-4 FILTER UNIT

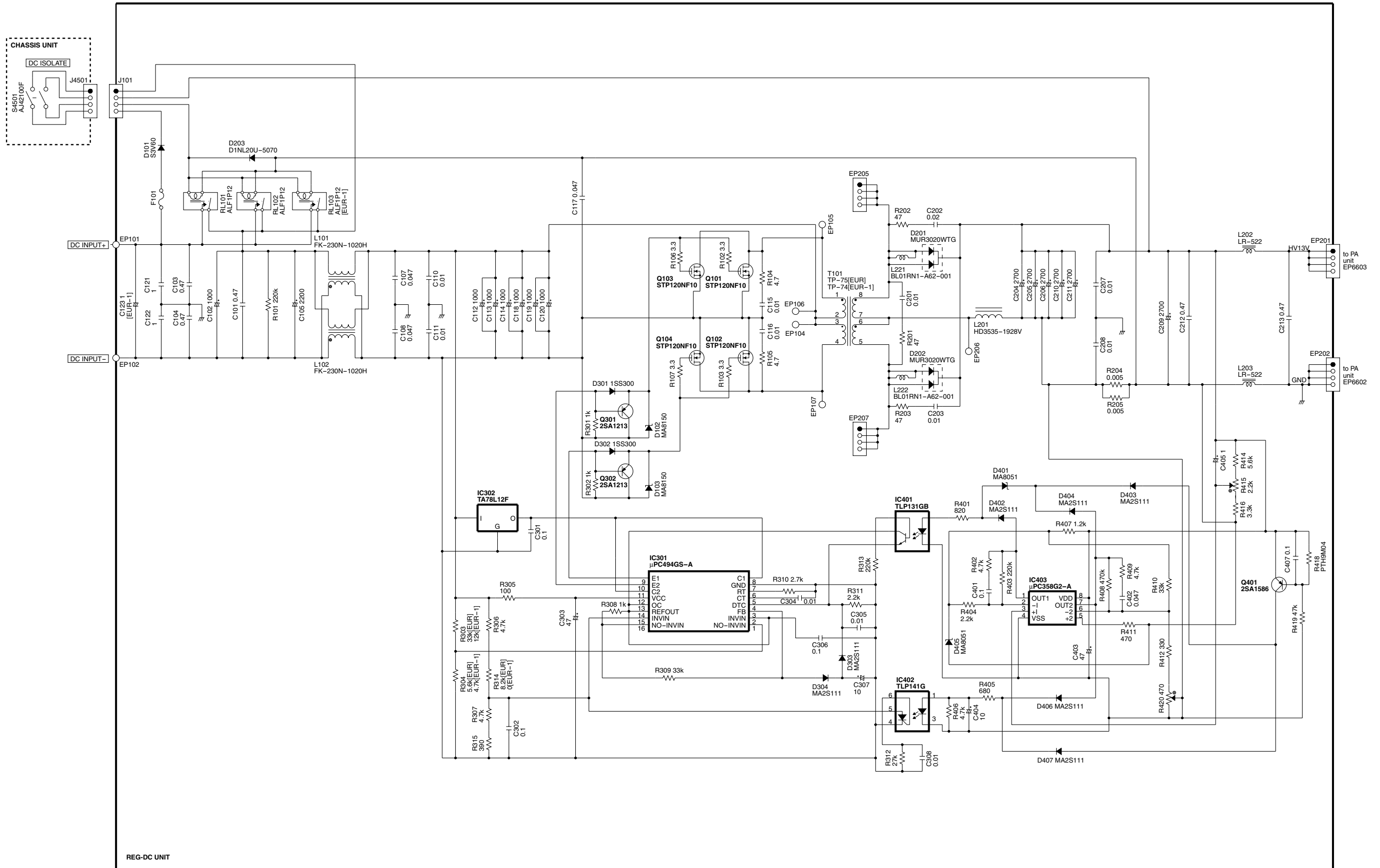


11-5 PLL UNIT





11-7 REG-DC UNIT



REG-DC UNIT

SERVICE MANUAL

HF AUTOMATIC ANTENNA TUNER

AT-141

SECTION 1 SPECIFICATIONS

SECTION 2 INSIDE VIEWS

SECTION 3 CIRCUIT DESCRIPTION

| | | |
|-----|-----------------------------|-------|
| 3-1 | RECEIVER CIRCUITS | B-3-1 |
| 3-2 | TRANSMITTER CIRCUITS | B-3-1 |
| 3-3 | POWER SUPPLY CIRCUITS | B-3-1 |
| 3-4 | OTHER CIRCUITS | B-3-2 |

SECTION 4 ADJUSTMENT PROCEDURES

SECTION 5 PARTS LIST

SECTION 6 MECHANICAL PARTS AND DISASSEMBLY

SECTION 7 SEMI-CONDUCTOR INFORMATION

SECTION 8 BLOCK DIAGRAM

SECTION 9 VOLTAGE DIAGRAM

SECTION 10 BOARD LAYOUT

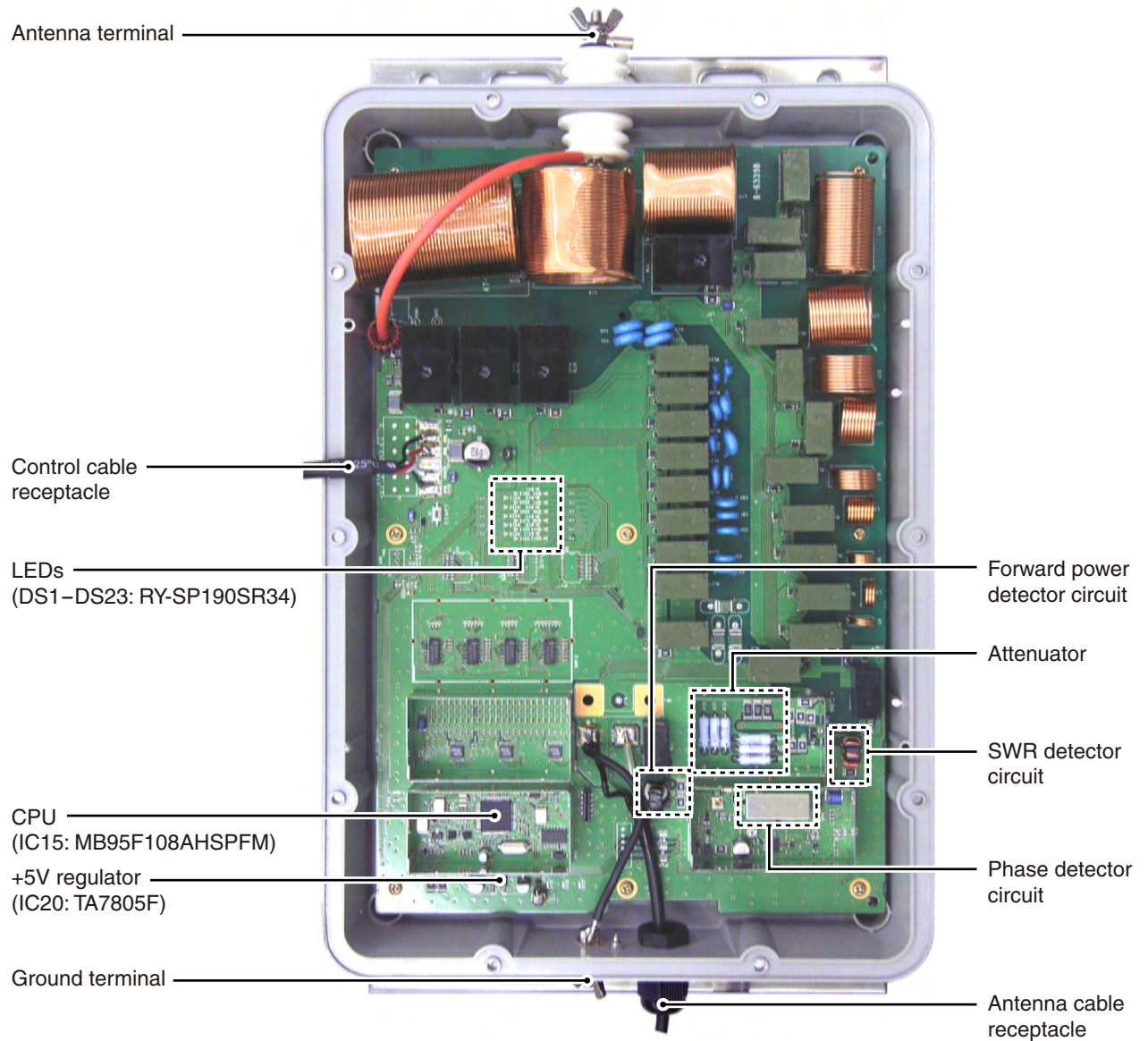
SECTION 1 SPECIFICATIONS

■ GENERAL

- Number of memory channels : 45
- Frequency coverage : 1.6–30 MHz with a 7 m or longer antenna element
- Maximum input power : 150 W PEP
100 W continuous
- Input impedance : 50 Ω
- Minimum operating input power : 5–15 W
- Automatic tuning time : Approx. 2 to 3 sec. (max. 15 sec.)
- Tuning accuracy (VSWR) : Better than 2.0 : 1
(after tuning; except for multiples of $1/2 \lambda$)
- Power supply requirement : 13.6 V DC \pm 15% (supplied from the transceiver)
- Driving current : Less than 2 A
- Usable temperature range : -30°C to $+60^{\circ}\text{C}$
- Dimensions (projections not included) : 230(W) \times 80(H) \times 340(D) mm
- Case construction : Weatherproof
- Weight : Approx. 2.5 kg

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

SECTION 2 INSIDE VIEWS



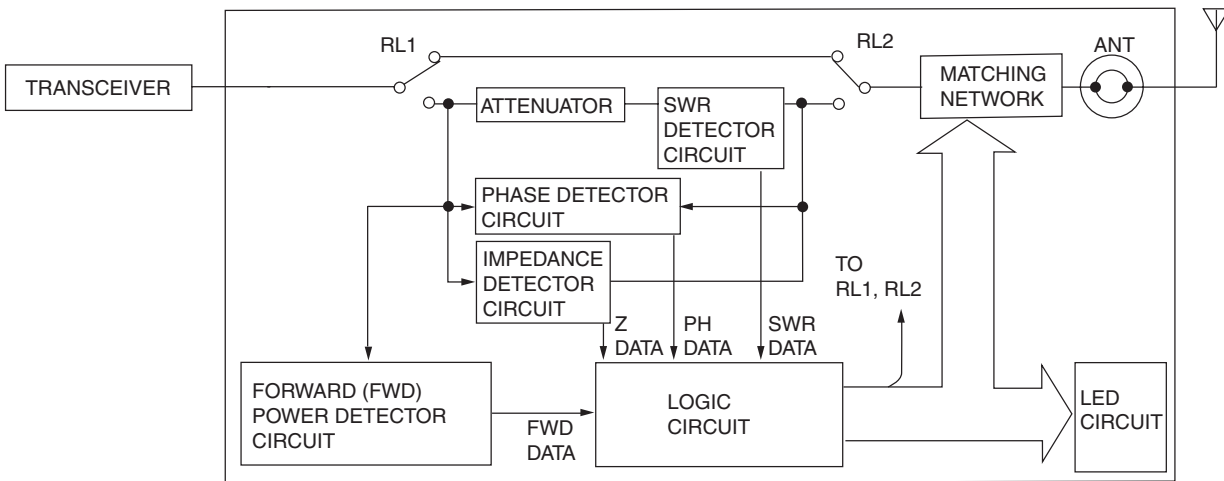
SECTION 3 CIRCUIT DESCRIPTION

3-1 GENERAL

An 8-bit microprocessor controls the AT-141. The antenna tuner matches the antenna system to the transceiver by using four kinds of detector circuits.

- (1) FORWARD POWER DETECTOR
- (2) SWR DETECTOR
- (3) PHASE DETECTOR
- (4) IMPEDANCE DETECTOR

Detailed descriptions for each circuit as follows.

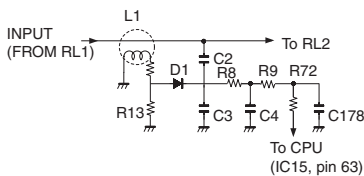


3-2 FORWARD (FWD) POWER DETECTOR CIRCUIT

This circuit ensures the input power from the transceiver is low enough to be handled by the attenuator within the tuner.

The RF power from the connected transceiver is detected at the power detector (L1) and then converted into a DC voltage. The converted voltage is applied to the CPU (IC15, pin 62) and then analyzed input RF power.

• FORWARD POWER DETECTOR CIRCUIT

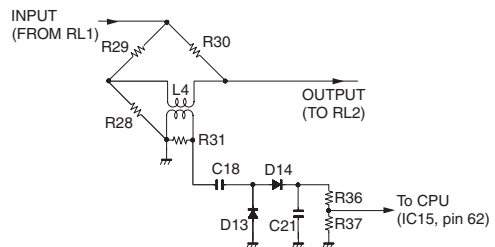


3-3 SWR DETECTOR CIRCUIT

The SWR detector detects the reflected signal from the antenna system.

The reflected signal is detected at the SWR detector (L4) and then converted into DC voltage at D13, D14. The converted voltage is applied to the CPU (IC15, pin 62) and the CPU controls the setting of the coils and capacitors in the matching network.

• SWR DETECTOR CIRCUIT

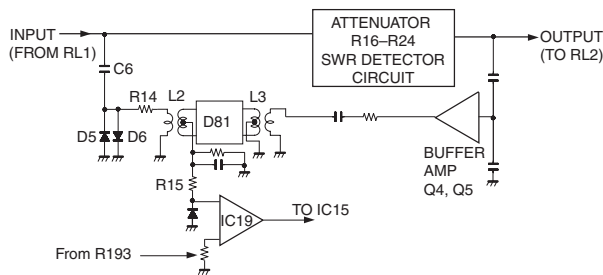


3-4 PHASE DETECTOR CIRCUIT

The phase detector consists of L2, L3 and D81. The phase detector's purpose is to detect reactance components and provide a pure resistance.

The output of D81 is a reference voltage of approximately 0 V when the load of L3 is a pure resistance with no reactance. An inductive load produces an output voltage from D81 which is lower than the reference voltage, whereas, a capacitive load produces an output voltage higher than the reference voltage. The output voltage from the phase detector is applied to the comparator (IC19b) and then applied to the CPU (IC15, pin 23).

• PHASE DETECTOR CIRCUIT



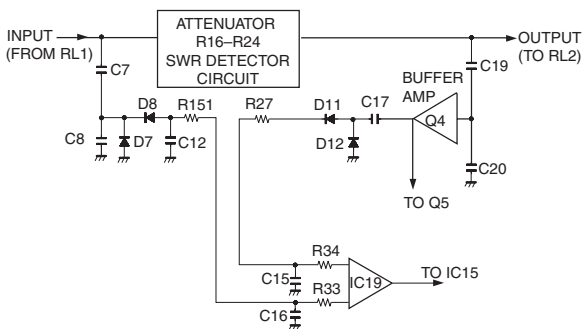
3-5 IMPEDANCE DETECTOR CIRCUIT

The tuner uses an attenuator to reduce the transmit power to a very low level. The low power minimizes the risk of interference to other stations while matching an antenna to the transmitter.

The VSWR at the input terminal is usually close to 1:1 even with a large change of impedance at the attenuator output due to the 16 dB of isolation between the input and the matching network.

The circuit uses the constant voltage at D7 and D8 as a reference. If the impedance of the attenuator output is higher than 50 Ω, the detected voltage by D11 and D12 is high. If the impedance is lower than 50 Ω, the voltage is low. Both the reference and detected voltages are applied to the comparator (IC19a). The output voltage from the comparator is applied to the CPU (IC15, pin 24)

• IMPEDANCE DETECTOR CIRCUIT



3-6 LOGIC CIRCUIT

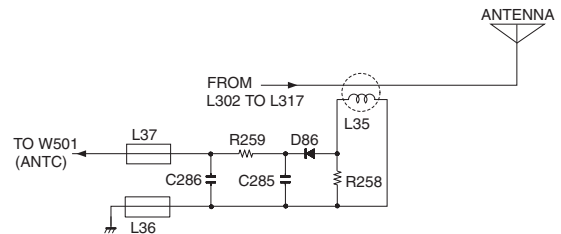
The CPU (IC15) controls the antenna matching network. The CPU receives +5V through IC20 when DC power is applied to the tuner. This voltage initializes the CPU and then the CPU sets each relay to the initial condition.

The tuning program begins only if the START line is at LOW level. RL1 and RL2 activate when RF power is applied to the tuner from the transceiver.

3-8 ANTENNA CURRENT DETECTOR CIRCUIT

Antenna current detected at antenna current detector (L35). The detected voltage is converted into a DC voltage at D86 and then applied to the ANTC line after passed through the low-pass filter (L36, C286).

• ANTENNA CURRENT DETECTOR CIRCUIT



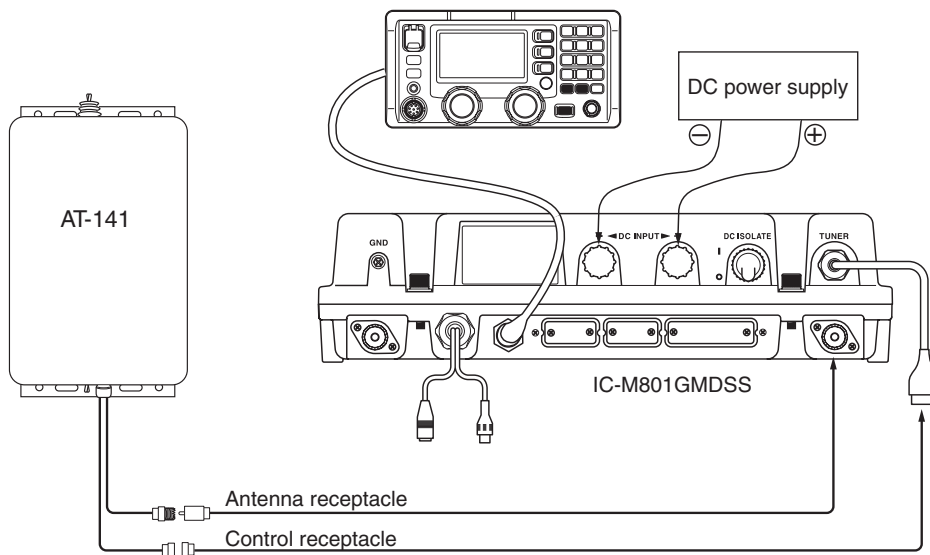
SECTION 4 ADJUSTMENT PROCEDURES

4-1 PREPARATION

■ REQUIRED TEST EQUIPMENT

| EQUIPMENT | GRADE AND RANGE |
|-----------------|--|
| DC power supply | Output voltage : Depended on connected transceiver Current capacity : Depended on connected transceiver |
| Oscilloscope | Frequency range : DC-20 MHz Measuring range : 0.01-10 V |

• CONNECTION

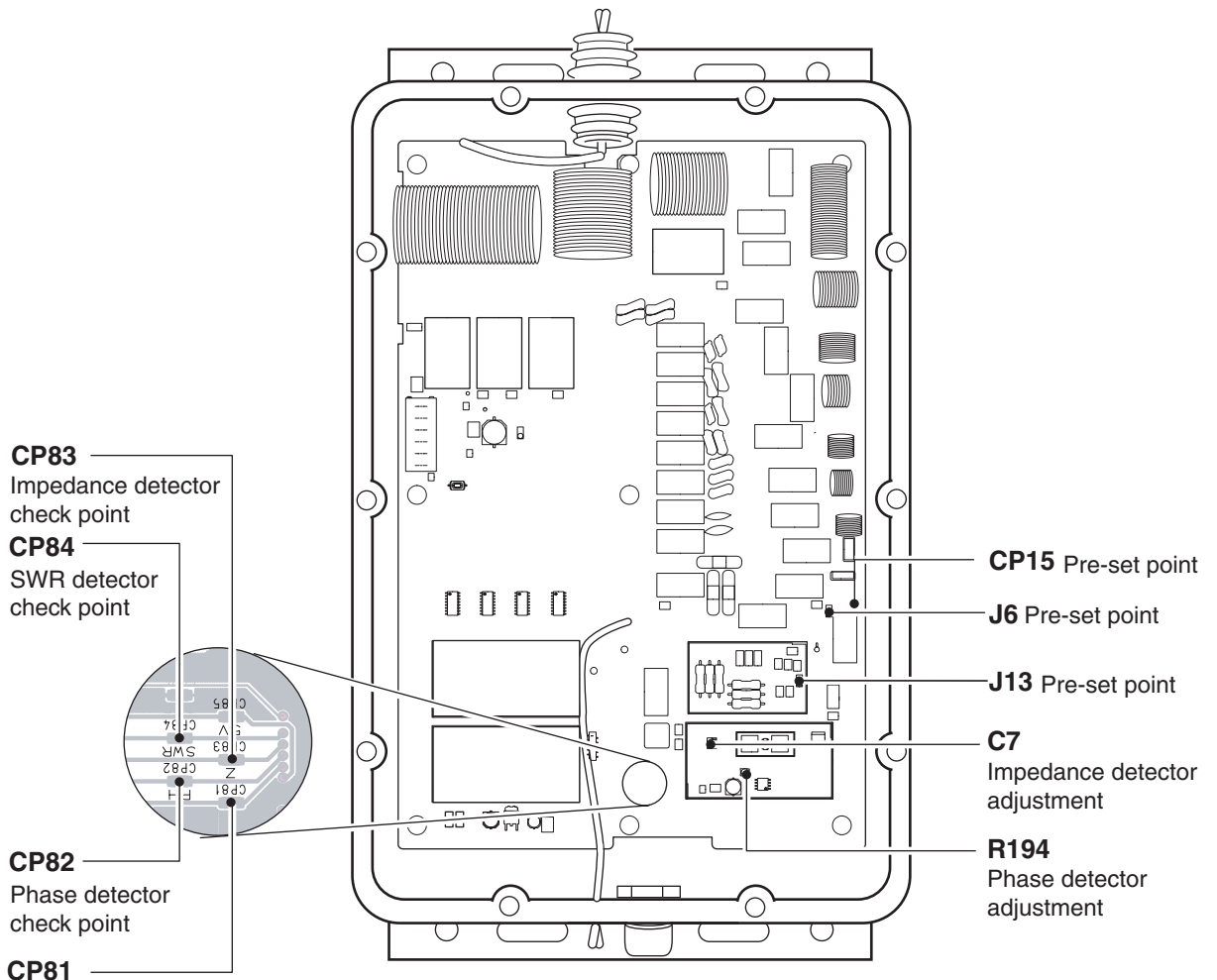


4-2 TUNER ADJUSTMENT

| ADJUSTMENT | ADJUSTMENT CONDITION | MEASUREMENT | | VALUE | ADJUSTMENT | |
|----------------------------|---|-------------|----------------------------------|---|------------|--------|
| | | UNIT | LOCATION | | UNIT | ADJUST |
| PREPARATION | 1 <ul style="list-style-type: none"> • Disconnect short pin (P6) from J6 • Connect the disconnected short pin (P6) to J13. • Connect a wire between CP15 and ground. • TRANSCEIVER Display frequency : 1.6000 MHz Output power : 10 W (Carrier only) | | | | | |
| FORWARD DETECTOR CIRCUIT | 2 <ul style="list-style-type: none"> • Transmit the transceiver. | TUNER | Connect a voltmeter to CP81. | 1.4 – 2.4 V | TUNER | Verify |
| SWR DETECTOR CIRCUIT | 3 <ul style="list-style-type: none"> • Transmit the transceiver. | | Connect a voltmeter to CP84. | 0 – 0.1 V | | Verify |
| PHASE DETECTOR CIRCUIT | 4 <ul style="list-style-type: none"> • Transmit the transceiver. | | Connect an oscilloscope to CP81. | 5 V (Set R194 at the point where the voltage just before drops to 0 V.) | | R194 |
| IMPEDANCE DETECTOR CIRCUIT | 5 <ul style="list-style-type: none"> • Transmit the transceiver. | | Connect an oscilloscope to CP83. | 5 V (Set C7 at the point where the voltage just before drops to 0 V.) | | C7 |

NOTE:

- After the adjustment, remove the jumper wire between CP15 and ground.
- After the adjustment, disconnect short pin (P6) from J13.
- After the adjustment, connect the disconnected short pin (P6) to J6.
- While the adjustment the transmitting time as short as possible.



SECTION 5 PARTS LIST

[TUNER-1 UNIT]

| REF NO. | ORDER NO. | DESCRIPTION | M. | H/V LOCATION |
|---------|------------|----------------------------|----|--------------|
| IC2 | 1130007570 | S.IC BU4094BCFV-E2 | T | 64.3/127.9 |
| IC3 | 1130007570 | S.IC BU4094BCFV-E2 | T | 64.3/147.1 |
| IC4 | 1130007570 | S.IC BU4094BCFV-E2 | T | 64.3/166.2 |
| IC5 | 1130008411 | S.IC TC74A393F (EL, F) | T | 30.6/128.3 |
| IC6 | 1130007111 | S.IC TC7W04FU (TE12L, F) | T | 31.3/162.1 |
| IC7 | 1110005791 | S.IC S-80841CLUA-B62T2G | T | 30.9/174 |
| IC11 | 1160000120 | S.IC μPA2004GR-E2 | T | 104/130 |
| IC12 | 1160000120 | S.IC μPA2004GR-E2 | T | 104/145.4 |
| IC13 | 1160000120 | S.IC μPA2004GR-E2 | T | 104/160.1 |
| IC14 | 1160000120 | S.IC μPA2004GR-E2 | T | 104/174.9 |
| IC15 | 1140013390 | S.IC MB95F108AHSPPM-GE1 | T | 38.9/151 |
| IC17 | 1130013080 | S.IC S-24CS08AFT-TB-1 | T | 47.8/135.8 |
| IC18 | 1130007261 | S.IC TC7W74FU (TE12, F) | T | 31.3/168.2 |
| IC19 | 1110001591 | S.IC TA75393FG (EL) | T | 27.4/43.5 |
| IC20 | 1180001071 | S.IC TA7805F (TE16L, Q) | T | 13.4/150 |
| Q2 | 1530002691 | S.TR 2SC4116-GR (TE85R, F) | T | 32.5/68.5 |
| Q3 | 1590000430 | S.TR DTC144EUA T106 | T | 27.2/27.2 |
| Q4 | 1530002691 | S.TR 2SC4116-GR (TE85R, F) | T | 46.7/25.2 |
| Q5 | 1530002691 | S.TR 2SC4116-GR (TE85R, F) | T | 43.5/25.2 |
| Q7 | 1510000771 | S.TR 2SA1586-GR (TE85R,F) | T | 25/178.6 |
| Q8 | 1530002691 | S.TR 2SC4116-GR (TE85R, F) | T | 37.6/175.1 |
| Q11 | 1530002691 | S.TR 2SC4116-GR (TE85R, F) | T | 48.7/127.1 |
| D1 | 1750000950 | S.DIO MA732 (TX) | T | 41.1/91 |
| D2 | 1790000450 | S.DIO MA862 (TX) | T | 38.8/69.1 |
| D5 | 1790000491 | S.DIO HSM88ASTR-E | T | 46/58.3 |
| D7 | 1750000950 | S.DIO MA732 (TX) | T | 37.7/62.7 |
| D8 | 1750000950 | S.DIO MA732 (TX) | T | 39.6/62.7 |
| D9 | 1750000271 | S.DIO 1SS301 (TE85R, F) | T | 27.5/36.3 |
| D11 | 1750000950 | S.DIO MA732 (TX) | T | 30.9/26.1 |
| D12 | 1750000950 | S.DIO MA732 (TX) | T | 30.9/28 |
| D13 | 1750000950 | S.DIO MA732 (TX) | T | 33.4/18.8 |
| D14 | 1750000950 | S.DIO MA732 (TX) | T | 31.5/18.8 |
| D16 | 1750000271 | S.DIO 1SS301 (TE85R, F) | T | 107.3/91.4 |
| D17 | 1750000271 | S.DIO 1SS301 (TE85R, F) | T | 102/8.3 |
| D22 | 1790001250 | S.DIO MA2S111-(TX) | T | 34.1/176.3 |
| D52 | 1750000271 | S.DIO 1SS301 (TE85R, F) | T | 98.5/30.2 |
| D53 | 1750000271 | S.DIO 1SS301 (TE85R, F) | T | 252.4/58.2 |
| D54 | 1750000271 | S.DIO 1SS301 (TE85R, F) | T | 113/39.9 |
| D55 | 1750000271 | S.DIO 1SS301 (TE85R, F) | T | 127.6/36.6 |
| D56 | 1750000271 | S.DIO 1SS301 (TE85R, F) | T | 142.7/41.6 |
| D57 | 1750000271 | S.DIO 1SS301 (TE85R, F) | T | 157.1/42.5 |
| D58 | 1750000271 | S.DIO 1SS301 (TE85R, F) | T | 167.7/43.1 |
| D59 | 1750000271 | S.DIO 1SS301 (TE85R, F) | T | 185/35.1 |
| D60 | 1750000271 | S.DIO 1SS301 (TE85R, F) | T | 199.4/37.6 |
| D61 | 1750000271 | S.DIO 1SS301 (TE85R, F) | T | 231.7/56.6 |
| D62 | 1750000271 | S.DIO 1SS301 (TE85R, F) | T | 253.4/53.5 |
| D63 | 1750000271 | S.DIO 1SS301 (TE85R, F) | T | 272.4/37 |
| D64 | 1750000271 | S.DIO 1SS301 (TE85R, F) | T | 275/37 |
| D65 | 1750000271 | S.DIO 1SS301 (TE85R, F) | T | 113/90 |
| D66 | 1750000271 | S.DIO 1SS301 (TE85R, F) | T | 131.1/90.2 |
| D67 | 1750000271 | S.DIO 1SS301 (TE85R, F) | T | 143.8/90.3 |
| D68 | 1750000271 | S.DIO 1SS301 (TE85R, F) | T | 156.8/90.2 |
| D69 | 1750000271 | S.DIO 1SS301 (TE85R, F) | T | 169.4/90.2 |
| D70 | 1750000271 | S.DIO 1SS301 (TE85R, F) | T | 181.7/90.2 |
| D71 | 1750000271 | S.DIO 1SS301 (TE85R, F) | T | 194/90.4 |
| D72 | 1750000271 | S.DIO 1SS301 (TE85R, F) | T | 206.6/90.2 |
| D73 | 1750000271 | S.DIO 1SS301 (TE85R, F) | T | 218.8/90.3 |
| D74 | 1750000271 | S.DIO 1SS301 (TE85R, F) | T | 193.3/136.7 |
| D75 | 1750000271 | S.DIO 1SS301 (TE85R, F) | T | 193.4/156.3 |
| D76 | 1750000271 | S.DIO 1SS301 (TE85R, F) | T | 193.3/176.7 |
| D77 | 1790000491 | S.DIO HSM88ASTR-E | T | 36.1/41.8 |
| D78 | 1790001250 | S.DIO MA2S111-(TX) | T | 25/171.7 |
| D79 | 1790001250 | S.DIO MA2S111-(TX) | T | 43.4/126.9 |
| D80 | 1790000491 | S.DIO HSM88ASTR-E | T | 155/179.4 |
| D81 | 1750000431 | S.DIO HSB88WSTR-E | T | 44.4/42.4 |
| D85 | 1750000271 | S.DIO 1SS301 (TE85R, F) | T | 27.7/72.7 |
| D86 | 1750000950 | S.DIO MA732 (TX) | T | 210.2/188.2 |
| X1 | 6050009870 | S.XTL CR-567 (9.8304 MHz) | T | 26.6/143.7 |
| L1 | 6140003490 | COL LR-391 | | |
| L2 | 6140000930 | COL LR-116 | | |
| L3 | 6140000930 | COL LR-116 | | |
| L4 | 6140000070 | COL LR-19 | | |
| L5 | 6200011630 | S.COL NL565050T-222J-PF | T | 47/20 |
| L6 | 6110002750 | COL LA-459 | | |
| L7 | 6110002760 | COL LA-460 | | |
| L8 | 6110002770 | COL LA-461 | | |
| L9 | 6110002780 | COL LA-462 | | |
| L10 | 6110002790 | COL LA-463 | | |

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| REF NO. | ORDER NO. | DESCRIPTION | M. | H/V LOCATION |
|---------|------------|------------------------------|----|--------------|
| L11 | 6110002800 | COL LA-464 | | |
| L12 | 6110002810 | COL LA-465 | | |
| L13 | 6110002820 | COL LA-466 | | |
| L14 | 6110002830 | COL LA-467 | | |
| L15 | 6110002840 | COL LA-468 | | |
| L16 | 6110002850 | COL LA-469 | | |
| L17 | 6110002860 | COL LA-470 | | |
| L18 | 6200003261 | S.COL NLV32T-101J | T | 23.1/126.2 |
| L20 | 6200008820 | S.COL HF70ACC 635050-T | T | 196.8/190 |
| L22 | 6200008820 | S.COL HF70ACC 635050-T | T | 177.7/166 |
| L24 | 6200003261 | S.COL NLV32T-101J | T | 167.6/167.7 |
| L25 | 6200003261 | S.COL NLV32T-101J | T | 157.6/184 |
| L28 | 6200003261 | S.COL NLV32T-101J | T | 25.3/69 |
| L31 | 6200011610 | S.COL NLC453232T-100K-PF | T | 238.8/60.8 |
| L32 | 6200001831 | S.COL NLV32T-100J | T | 111.2/95 |
| L33 | 6200011620 | S.COL NLC453232T-470K-PF | T | 75.3/179.8 |
| L34 | 6200008820 | S.COL HF70ACC 635050-T | T | 10.3/134.7 |
| L35 | 6140001550 | COL LR-174 | | |
| L36 | 6200003950 | S.COL HF50ACC 322513-T | T | 205.3/192.3 |
| L37 | 6200003950 | S.COL HF50ACC 322513-T | T | 205.4/188.8 |
| R1 | 7030003440 | S.RES ERJ3GEYJ 102 V (1 k) | T | 44.9/68.5 |
| R2 | 7030007190 | S.RES ERJ12YJ220U (22) | T | 44.3/79.1 |
| R3 | 7030007190 | S.RES ERJ12YJ220U (22) | T | 50.5/79.1 |
| R8 | 7030003560 | S.RES ERJ3GEYJ 103 V (10 k) | T | 40.6/95.1 |
| R9 | 7030003590 | S.RES ERJ3GEYJ 183 V (18 k) | T | 36.9/72.1 |
| R10 | 7030003640 | S.RES ERJ3GEYJ 473 V (47 k) | T | 34.6/72.8 |
| R11 | 7030003480 | S.RES ERJ3GEYJ 222 V (2.2 k) | T | 36.1/47.7 |
| R12 | 7030003520 | S.RES ERJ3GEYJ 472 V (4.7 k) | T | 28.3/50.7 |
| R13 | 7030006270 | S.RES ERJ12YJ221U (220) | T | 25.8/63.6 |
| R14 | 7030003200 | S.RES ERJ3GEYJ 100 V (10) | T | 43.4/58.2 |
| R15 | 7030003560 | S.RES ERJ3GEYJ 103 V (10 k) | T | 36.1/44.9 |
| R16 | 7070000731 | RES ERG2SJ 331 (330) | | |
| R17 | 7070000731 | RES ERG2SJ 331 (330) | | |
| R18 | 7070000721 | RES ERG2SJ 271 (270) | | |
| R19 | 7070000291 | RES ERG2SJ 221 (220) | | |
| R20 | 7070000291 | RES ERG2SJ 221 (220) | | |
| R21 | 7070000291 | RES ERG2SJ 221 (220) | | |
| R22 | 7030011300 | S.RES ERJ1TY 331U (330) | T | 80.8/45.6 |
| R23 | 7030011300 | S.RES ERJ1TY 331U (330) | T | 80.8/49.4 |
| R24 | 7030011310 | S.RES ERJ1TY 271U (270) | T | 80.8/53.2 |
| R25 | 7030003640 | S.RES ERJ3GEYJ 473 V (47 k) | T | 37.6/58.6 |
| R26 | 7030003640 | S.RES ERJ3GEYJ 473 V (47 k) | T | 33.2/38.4 |
| R27 | 7030003480 | S.RES ERJ3GEYJ 222 V (2.2 k) | T | 33.4/30.1 |
| R28 | 7030006220 | S.RES ERJ12YJ470U (47) | T | 74.8/36.9 |
| R29 | 7030006220 | S.RES ERJ12YJ470U (47) | T | 66.7/36.3 |
| R30 | 7030006220 | S.RES ERJ12YJ470U (47) | T | 66.7/32.1 |
| R31 | 7030006220 | S.RES ERJ12YJ470U (47) | T | 56.3/13.7 |
| R32 | 7030003280 | S.RES ERJ3GEYJ 470 V (47) | T | 42.9/27.9 |
| R33 | 7030003720 | S.RES ERJ3GEYJ 224 V (220 k) | T | 38/50.3 |
| R34 | 7030003720 | S.RES ERJ3GEYJ 224 V (220 k) | T | 31.6/42.8 |
| R35 | 7030003650 | S.RES ERJ3GEYJ 563 V (56 k) | T | 28.2/30.1 |
| R36 | 7030003480 | S.RES ERJ3GEYJ 222 V (2.2 k) | T | 27.5/19.9 |
| R37 | 7030003640 | S.RES ERJ3GEYJ 473 V (47 k) | T | 23.8/19.2 |
| R38 | 7030003440 | S.RES ERJ3GEYJ 102 V (1 k) | T | 37.7/28.5 |
| R39 | 7030003560 | S.RES ERJ3GEYJ 103 V (10 k) | T | 38/20.9 |
| R40 | 7030003560 | S.RES ERJ3GEYJ 103 V (10 k) | T | 39.5/20.9 |
| R41 | 7030003560 | S.RES ERJ3GEYJ 103 V (10 k) | T | 36.2/20.8 |
| R42 | 7030003440 | S.RES ERJ3GEYJ 102 V (1 k) | T | 38.5/26.1 |
| R43 | 7030007990 | S.RES ERJ12YJ820U (82) | T | 78.1/32.8 |
| R44 | 7030003360 | S.RES ERJ3GEYJ 221 V (220) | T | 41.3/20.8 |
| R45 | 7540000250 | ABS SA05C 401N | | |
| R46 | 7030007980 | S.RES ERJ12YJ473U (47 k) | T | 83.8/31 |
| R51 | 7030007240 | S.RES ERJ12YJ680U (68) | T | 103.1/85 |
| R52 | 7030007240 | S.RES ERJ12YJ680U (68) | T | 103.5/20.6 |
| R53 | 7030003640 | S.RES ERJ3GEYJ 473 V (47 k) | T | 34.5/68.8 |
| R54 | 7030003370 | S.RES ERJ3GEYJ 271 V (270) | T | 29.2/67.1 |
| R55 | 7030010610 | S.RES ERJ1TYJ 470U (47) | T | 12.5/176.4 |
| R56 | 7030003600 | S.RES ERJ3GEYJ 223 V (22 k) | T | 151.6/180.6 |
| R57 | 7030003680 | S.RES ERJ3GEYJ 104 V (100 k) | T | 25.7/180.8 |
| R58 | 7030003500 | S.RES ERJ3GEYJ 332 V (3.3 k) | T | 37.7/170 |
| R59 | 7030003580 | S.RES ERJ3GEYJ 153 V (15 k) | T | 37.7/171.4 |
| R66 | 7030003680 | S.RES ERJ3GEYJ 104 V (100 k) | T | 25/174.9 |
| R67 | 7030003640 | S.RES ERJ3GEYJ 473 V (47 k) | T | 25.4/126.3 |
| R71 | 7030003440 | S.RES ERJ3GEYJ 102 V (1 k) | T | 24.4/163.8 |
| R72 | 7030003440 | S.RES ERJ3GEYJ 102 V (1 k) | T | 24.4/162.9 |
| R73 | 7030003440 | S.RES ERJ3GEYJ 102 V (1 k) | T | 33.7/138.4 |
| R74 | 7030003440 | S.RES ERJ3GEYJ 102 V (1 k) | T | 33.7/137.6 |
| R76 | 7030003680 | S.RES ERJ3GEYJ 104 V (100 k) | T | 48/129.6 |
| R77 | 7030003720 | S.RES ERJ3GEYJ 224 V (220 k) | T | 46.4/129.6 |
| R78 | 7030005631 | S.RES ERA3YKD 154V (150 k) | T | 44.9/126.9 |
| R84 | 7030003400 | S.RES ERJ3GEYJ 471 V (470) | T | 80.2/174 |
| R85 | 7030003400 | S.RES ERJ3GEYJ 471 V (470) | T | 80.2/171.7 |
| R86 | 7030003400 | S.RES ERJ3GEYJ 471 V (470) | T | 80.2/169.4 |
| R87 | 7030003400 | S.RES ERJ3GEYJ 471 V (470) | T | 80.2/167.1 |

M.=Mounted side (T: Mounted on the Top side, B: Mounted on the Bottom side)
S.=Surface mount

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| REF NO. | ORDER NO. | DESCRIPTION | M. | H/V LOCATION |
|---------|------------|------------------------------|----|--------------|
| R88 | 7030003400 | S.RES ERJ3GEYJ 471 V (470) | T | 80.2/164.8 |
| R89 | 7030003400 | S.RES ERJ3GEYJ 471 V (470) | T | 80.2/162.5 |
| R90 | 7030003400 | S.RES ERJ3GEYJ 471 V (470) | T | 80.2/160.2 |
| R92 | 7030003400 | S.RES ERJ3GEYJ 471 V (470) | T | 80.2/157.9 |
| R93 | 7030003400 | S.RES ERJ3GEYJ 471 V (470) | T | 80.2/155.6 |
| R94 | 7030003400 | S.RES ERJ3GEYJ 471 V (470) | T | 80.2/153.3 |
| R95 | 7030003400 | S.RES ERJ3GEYJ 471 V (470) | T | 80.2/151 |
| R96 | 7030003400 | S.RES ERJ3GEYJ 471 V (470) | T | 80.2/148.7 |
| R97 | 7030003400 | S.RES ERJ3GEYJ 471 V (470) | T | 80.2/146.4 |
| R98 | 7030003400 | S.RES ERJ3GEYJ 471 V (470) | T | 80.2/144.1 |
| R99 | 7030003400 | S.RES ERJ3GEYJ 471 V (470) | T | 80.2/141.8 |
| R101 | 7030003400 | S.RES ERJ3GEYJ 471 V (470) | T | 80.2/139.5 |
| R102 | 7030003400 | S.RES ERJ3GEYJ 471 V (470) | T | 80.2/137.2 |
| R103 | 7030003400 | S.RES ERJ3GEYJ 471 V (470) | T | 80.2/134.9 |
| R104 | 7030003400 | S.RES ERJ3GEYJ 471 V (470) | T | 80.2/132.6 |
| R105 | 7030003400 | S.RES ERJ3GEYJ 471 V (470) | T | 80.2/130.3 |
| R106 | 7030003400 | S.RES ERJ3GEYJ 471 V (470) | T | 80.2/128 |
| R107 | 7030003400 | S.RES ERJ3GEYJ 471 V (470) | T | 80.2/125.7 |
| R108 | 7030003400 | S.RES ERJ3GEYJ 471 V (470) | T | 80.2/123.4 |
| R109 | 7030003240 | S.RES ERJ3GEYJ 220 V (22) | T | 105/94.4 |
| R110 | 7030003240 | S.RES ERJ3GEYJ 220 V (22) | T | 119.9/33 |
| R111 | 7030003240 | S.RES ERJ3GEYJ 220 V (22) | T | 134.9/38 |
| R112 | 7030003240 | S.RES ERJ3GEYJ 220 V (22) | T | 149.9/39 |
| R113 | 7030003240 | S.RES ERJ3GEYJ 220 V (22) | T | 167.6/41 |
| R114 | 7030003240 | S.RES ERJ3GEYJ 220 V (22) | T | 182.2/33.8 |
| R115 | 7030003240 | S.RES ERJ3GEYJ 220 V (22) | T | 199.3/34 |
| R116 | 7030003240 | S.RES ERJ3GEYJ 220 V (22) | T | 234.2/53 |
| R117 | 7030003240 | S.RES ERJ3GEYJ 220 V (22) | T | 258.7/49.1 |
| R118 | 7030003240 | S.RES ERJ3GEYJ 220 V (22) | T | 274.8/31.7 |
| R119 | 7030003240 | S.RES ERJ3GEYJ 220 V (22) | T | 262.6/32.7 |
| R120 | 7030010620 | S.RES ERJ12YJ180U (18) | T | 192.5/130.2 |
| R121 | 7030010620 | S.RES ERJ12YJ180U (18) | T | 192.5/149.9 |
| R122 | 7030003240 | S.RES ERJ3GEYJ 220 V (22) | T | 98.5/32.4 |
| R123 | 7030003240 | S.RES ERJ3GEYJ 220 V (22) | T | 105.7/87.8 |
| R124 | 7030003240 | S.RES ERJ3GEYJ 220 V (22) | T | 126.4/89.6 |
| R125 | 7030003240 | S.RES ERJ3GEYJ 220 V (22) | T | 138.9/89.6 |
| R126 | 7030003240 | S.RES ERJ3GEYJ 220 V (22) | T | 151.4/89.6 |
| R127 | 7030003240 | S.RES ERJ3GEYJ 220 V (22) | T | 163.9/89.6 |
| R128 | 7030003240 | S.RES ERJ3GEYJ 220 V (22) | T | 176.4/89.6 |
| R129 | 7030003240 | S.RES ERJ3GEYJ 220 V (22) | T | 188.9/89.6 |
| R130 | 7030003240 | S.RES ERJ3GEYJ 220 V (22) | T | 201.5/89.6 |
| R131 | 7030003240 | S.RES ERJ3GEYJ 220 V (22) | T | 213.5/89.8 |
| R132 | 7030010620 | S.RES ERJ12YJ180U (18) | T | 241/66.8 |
| R133 | 7030010620 | S.RES ERJ12YJ180U (18) | T | 192.5/162.1 |
| R149 | 7030003400 | S.RES ERJ3GEYJ 471 V (470) | T | 80.2/176.3 |
| R150 | 7030003520 | S.RES ERJ3GEYJ 472 V (4.7 k) | T | 24.5/51 |
| R151 | 7030003480 | S.RES ERJ3GEYJ 222 V (2.2 k) | T | 39.6/59.4 |
| R156 | 7030003640 | S.RES ERJ3GEYJ 473 V (47 k) | T | 133.3/183.1 |
| R157 | 7030005521 | S.RES ERA3YKD 334V (330 k) | T | 34.9/174 |
| R159 | 7030003560 | S.RES ERJ3GEYJ 103 V (10 k) | T | 67.2/159.5 |
| R160 | 7030003400 | S.RES ERJ3GEYJ 471 V (470) | T | 69.2/159.1 |
| R162 | 7030003640 | S.RES ERJ3GEYJ 473 V (47 k) | T | 31.3/165.8 |
| R163 | 7030003680 | S.RES ERJ3GEYJ 104 V (100 k) | T | 38.4/124.4 |
| R167 | 7030003520 | S.RES ERJ3GEYJ 472 V (4.7 k) | T | 167.7/125.9 |
| R168 | 7030003520 | S.RES ERJ3GEYJ 472 V (4.7 k) | T | 165.9/121.3 |
| R169 | 7030003520 | S.RES ERJ3GEYJ 472 V (4.7 k) | T | 164.3/125.7 |
| R170 | 7030003520 | S.RES ERJ3GEYJ 472 V (4.7 k) | T | 162.4/121.3 |
| R171 | 7030003520 | S.RES ERJ3GEYJ 472 V (4.7 k) | T | 160.7/125.8 |
| R172 | 7030003520 | S.RES ERJ3GEYJ 472 V (4.7 k) | T | 158.9/121.3 |
| R173 | 7030003520 | S.RES ERJ3GEYJ 472 V (4.7 k) | T | 157/125.9 |
| R174 | 7030003520 | S.RES ERJ3GEYJ 472 V (4.7 k) | T | 155.4/121.3 |
| R175 | 7030003520 | S.RES ERJ3GEYJ 472 V (4.7 k) | T | 153.7/125.8 |
| R176 | 7030003520 | S.RES ERJ3GEYJ 472 V (4.7 k) | T | 151.9/121.3 |
| R177 | 7030003520 | S.RES ERJ3GEYJ 472 V (4.7 k) | T | 150.2/125.8 |
| R178 | 7030003520 | S.RES ERJ3GEYJ 472 V (4.7 k) | T | 148.4/121.4 |
| R179 | 7030003520 | S.RES ERJ3GEYJ 472 V (4.7 k) | T | 167/152.4 |
| R180 | 7030003520 | S.RES ERJ3GEYJ 472 V (4.7 k) | T | 164/156.3 |
| R181 | 7030003520 | S.RES ERJ3GEYJ 472 V (4.7 k) | T | 148.4/152.4 |
| R182 | 7030003520 | S.RES ERJ3GEYJ 472 V (4.7 k) | T | 150.2/156.3 |
| R183 | 7030003520 | S.RES ERJ3GEYJ 472 V (4.7 k) | T | 151.9/152.5 |
| R184 | 7030003520 | S.RES ERJ3GEYJ 472 V (4.7 k) | T | 153.6/156.3 |
| R185 | 7030003520 | S.RES ERJ3GEYJ 472 V (4.7 k) | T | 155.3/152.5 |
| R186 | 7030003520 | S.RES ERJ3GEYJ 472 V (4.7 k) | T | 157.1/156.3 |
| R187 | 7030003520 | S.RES ERJ3GEYJ 472 V (4.7 k) | T | 158.9/152.5 |
| R188 | 7030003520 | S.RES ERJ3GEYJ 472 V (4.7 k) | T | 160.6/156.3 |
| R189 | 7030003520 | S.RES ERJ3GEYJ 472 V (4.7 k) | T | 162.5/152.5 |
| R190 | 7030006070 | S.RES ERJ12YJ101U (100) | T | 77.6/28.9 |
| R191 | 7030003480 | S.RES ERJ3GEYJ 222 V (2.2 k) | T | 26.4/33 |
| R192 | 7030003550 | S.RES ERJ3GEYJ 822 V (8.2 k) | T | 29.6/36.3 |
| R193 | 7030003740 | S.RES ERJ3GEYJ 334 V (330 k) | T | 28.3/49.2 |
| R194 | 7310005020 | S.TRI RH03ADC14X (10 k) | T | 32.5/51.1 |
| R195 | 7030003440 | S.RES ERJ3GEYJ 102 V (1 k) | T | 24.7/71.9 |
| R196 | 7030003530 | S.RES ERJ3GEYJ 562 V (5.6 k) | T | 30.8/71.9 |
| R198 | 7030003650 | S.RES ERJ3GEYJ 563 V (56 k) | T | 131.6/189.4 |
| R200 | 7030003680 | S.RES ERJ3GEYJ 104 V (100 k) | T | 24.9/173.3 |
| R201 | 7030003440 | S.RES ERJ3GEYJ 102 V (1 k) | T | 33.7/135.1 |
| R202 | 7030003720 | S.RES ERJ3GEYJ 224 V (220 k) | T | 46.4/126.9 |
| R203 | 7030003640 | S.RES ERJ3GEYJ 473 V (47 k) | T | 25/176.3 |
| R204 | 7030003640 | S.RES ERJ3GEYJ 473 V (47 k) | T | 23.1/178.5 |
| R205 | 7410000352 | ARY RGLD3X104J | | |
| R206 | 7410000352 | ARY RGLD3X104J | | |
| R207 | 7410000352 | ARY RGLD3X104J | | |

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| REF NO. | ORDER NO. | DESCRIPTION | M. | H/V LOCATION |
|---------|------------|------------------------------|----|--------------|
| R208 | 7410000352 | ARY RGLD3X104J | | |
| R209 | 7410000352 | ARY RGLD3X104J | | |
| R210 | 7030003480 | S.RES ERJ3GEYJ 222 V (2.2 k) | T | 72/123.4 |
| R211 | 7030003480 | S.RES ERJ3GEYJ 222 V (2.2 k) | T | 72/125.7 |
| R212 | 7030003480 | S.RES ERJ3GEYJ 222 V (2.2 k) | T | 72/128 |
| R213 | 7030003480 | S.RES ERJ3GEYJ 222 V (2.2 k) | T | 72/130.3 |
| R214 | 7030003480 | S.RES ERJ3GEYJ 222 V (2.2 k) | T | 72/132.6 |
| R215 | 7030003480 | S.RES ERJ3GEYJ 222 V (2.2 k) | T | 72/134.9 |
| R216 | 7030003480 | S.RES ERJ3GEYJ 222 V (2.2 k) | T | 72/137.2 |
| R217 | 7030003480 | S.RES ERJ3GEYJ 222 V (2.2 k) | T | 72/139.5 |
| R218 | 7030003480 | S.RES ERJ3GEYJ 222 V (2.2 k) | T | 72/162.5 |
| R219 | 7030003480 | S.RES ERJ3GEYJ 222 V (2.2 k) | T | 72/160.2 |
| R220 | 7030003480 | S.RES ERJ3GEYJ 222 V (2.2 k) | T | 72/164.8 |
| R221 | 7030003480 | S.RES ERJ3GEYJ 222 V (2.2 k) | T | 72/167.1 |
| R222 | 7030003480 | S.RES ERJ3GEYJ 222 V (2.2 k) | T | 72/169.4 |
| R223 | 7030003480 | S.RES ERJ3GEYJ 222 V (2.2 k) | T | 72/171.7 |
| R224 | 7030003480 | S.RES ERJ3GEYJ 222 V (2.2 k) | T | 72/174 |
| R225 | 7030003480 | S.RES ERJ3GEYJ 222 V (2.2 k) | T | 72/141.8 |
| R226 | 7030003480 | S.RES ERJ3GEYJ 222 V (2.2 k) | T | 72/144.1 |
| R227 | 7030003480 | S.RES ERJ3GEYJ 222 V (2.2 k) | T | 72/146.4 |
| R228 | 7030003480 | S.RES ERJ3GEYJ 222 V (2.2 k) | T | 72/148.7 |
| R229 | 7030003480 | S.RES ERJ3GEYJ 222 V (2.2 k) | T | 72/151 |
| R230 | 7030003480 | S.RES ERJ3GEYJ 222 V (2.2 k) | T | 72/153.3 |
| R231 | 7030003480 | S.RES ERJ3GEYJ 222 V (2.2 k) | T | 72/155.6 |
| R232 | 7030003480 | S.RES ERJ3GEYJ 222 V (2.2 k) | T | 72/157.9 |
| R235 | 7030005521 | S.RES ERA3YKD 334V (330 k) | T | 44.9/129.6 |
| R236 | 7030003560 | S.RES ERJ3GEYJ 103 V (10 k) | T | 47.8/140.5 |
| R237 | 7030003560 | S.RES ERJ3GEYJ 103 V (10 k) | T | 47.8/142 |
| R238 | 7030003520 | S.RES ERJ3GEYJ 472 V (4.7 k) | T | 47.7/144.6 |
| R239 | 7030003560 | S.RES ERJ3GEYJ 103 V (10 k) | T | 39.8/124.4 |
| R240 | 7030003560 | S.RES ERJ3GEYJ 103 V (10 k) | T | 27.9/151.3 |
| R242 | 7030003860 | S.RES ERJ3GE JPW V | T | 27.9/155.2 |
| R243 | 7030003860 | S.RES ERJ3GE JPW V | T | 27.9/153.9 |
| R244 | 7030003860 | S.RES ERJ3GE JPW V | T | 27.9/152.6 |
| R248 | 7030003640 | S.RES ERJ3GEYJ 473 V (47 k) | T | 40.5/165.5 |
| R249 | 7030003640 | S.RES ERJ3GEYJ 473 V (47 k) | T | 40.5/162.9 |
| R250 | 7030003640 | S.RES ERJ3GEYJ 473 V (47 k) | T | 40.5/164.2 |
| R251 | 7030003640 | S.RES ERJ3GEYJ 473 V (47 k) | T | 47.7/157.5 |
| R252 | 7030003640 | S.RES ERJ3GEYJ 473 V (47 k) | T | 34.7/162.4 |
| R253 | 7030007911 | S.RES ERA3YKD 563V (56 k) | T | 34.2/170.7 |
| R255 | 7030010610 | S.RES ERJ1TYJ 470U (47) | T | 12.5/171.9 |
| R256 | 7030003860 | S.RES ERJ3GE JPW V | T | 67.5/178.5 |
| R257 | 7030003860 | S.RES ERJ3GE JPW V | T | 42.3/170 |
| R258 | 7030010520 | S.RES ERJ1TYJ 101U (100) | T | 217.4/191.1 |
| R259 | 7030003620 | S.RES ERJ3GEYJ 333 V (33 k) | T | 209.3/190.3 |
| R262 | 7030010520 | S.RES ERJ1TYJ 101U (100) | T | 213.7/191.1 |
| R263 | 7030010520 | S.RES ERJ1TYJ 101U (100) | T | 221.1/191.1 |
| C1 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 42.2/68.5 |
| C2 | 4030011120 | S.CER GRM31M2C2H100JV01L | T | 44.7/95.5 |
| C3 | 4030007170 | S.CER C1608 CH 1H 221J-T | T | 40.6/93.7 |
| C4 | 4030010760 | S.CER C1608 CH 1H 331J-T | T | 40.6/96.5 |
| C6 | 4030011070 | S.CER GRM31M2C2H5R0CY21L | T | 49.3/60.9 |
| C7 | 4610001160 | S.TRI ECR-JA010 A11W | T | 44.8/65.1 |
| C8 | 4030007160 | S.CER C1608 CH 1H 181J-T | T | 39.5/65.1 |
| C9 | 4510008690 | S.ELE EEE1EA330SP | T | 26.3/56 |
| C10 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 24.4/49.2 |
| C11 | 4030005110 | S.CER C2012 JB 1E 473K-T | T | 51.1/48.7 |
| C12 | 4030010760 | S.CER C1608 CH 1H 331J-T | T | 37.6/60.3 |
| C13 | 4030010760 | S.CER C1608 CH 1H 331J-T | T | 33.4/27.3 |
| C14 | 4030005110 | S.CER C2012 JB 1E 473K-T | T | 47.1/27.9 |
| C15 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 30.1/38.4 |
| C16 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 37.6/57.2 |
| C17 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 30.6/30.1 |
| C18 | 4030005110 | S.CER C2012 JB 1E 473K-T | T | 32.5/15.8 |
| C19 | 4030007010 | S.CER C1608 CH 1H 100D-T | T | 59.5/21.5 |
| C20 | 4030008560 | S.CER C1608 CH 1H 300J-T | T | 59.5/19 |
| C21 | 4030010760 | S.CER C1608 CH 1H 331J-T | T | 29.8/19.1 |
| C22 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 24.9/27.1 |
| C23 | 4030005110 | S.CER C2012 JB 1E 473K-T | T | 38.6/24.3 |
| C24 | 4320001230 | S.MIC UC552H 1201J-T | T | 108.6/64.5 |
| C25 | 4320001230 | S.MIC UC552H 1201J-T | T | 108.6/58 |
| C26 | 4320001230 | S.MIC UC552H 1201J-T | T | 121.5/61.9 |
| C28 | 4010008720 | CER DEA1X3D271JA2B | | |
| C29 | 4010008710 | CER DEA1X3D331JA3B | | |
| C30 | 4010008560 | CER DEA1X3F151JA3B | | |
| C31 | 4010008560 | CER DEA1X3F151JA3B | | |
| C32 | 4010008560 | CER DEA1X3F151JA3B | | |
| C34 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 100.7/30.2 |
| C35 | 4010008560 | CER DEA1X3F151JA3B | | |
| C36 | 4010008560 | CER DEA1X3F151JA3B | | |
| C37 | 4010004790 | CER DEC1X3J680JC4B | | |
| C38 | 4010008680 | CER DEA1X3F820JA3B | | |
| C39 | 4010004770 | CER DEC1X3J390JC4B | | |
| C40 | 4010004770 | CER DEC1X3J390JC4B | | |
| C41 | 4010008730 | CER DEA1X3F180JCDB | | |
| C42 | 4010008730 | CER DEA1X3F180JCDB | | |
| C43 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 105/92.5 |
| C44 | 4010004810 | CER DEC1X3J101JC4B | | |
| C45 | 4010004810 | CER DEC1X3J101JC4B | | |
| C46 | 4010004810 | CER DEC1X3J101JC4B | | |

M.=Mounted side (T: Mounted on the Top side, B: Mounted on the Bottom side)
S.=Surface mount

[TUNER-1 UNIT]

| REF NO. | ORDER NO. | DESCRIPTION | M. | H/V LOCATION |
|---------|------------|--------------------------|----|--------------|
| C47 | 4010004810 | CER DEC1X3J101JC4B | | |
| C48 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 99.9/8.2 |
| C50 | 4030008960 | S.CER C2012 JB 1C 104K-T | T | 36.1/169 |
| C53 | 4510008570 | S.ELE EEE1CA220SR | T | 11.6/140.4 |
| C54 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 10.1/145.3 |
| C55 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 9.7/154.5 |
| C56 | 4510008520 | S.ELE EEE1CA470SP | T | 12.3/158.7 |
| C58 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 185.3/165.3 |
| C59 | 4030005110 | S.CER C2012 JB 1E 473K-T | T | 185.4/163.3 |
| C60 | 4510008510 | S.ELE EEE1CA471P | T | 176.5/157.3 |
| C62 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 151.5/182.5 |
| C64 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 151.6/184 |
| C65 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 37.7/172.8 |
| C68 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 23.1/129.1 |
| C73 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 26.9/178.5 |
| C74 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 23.1/123.3 |
| C75 | 4340000390 | S.MLR ECWU1H224JC9 | T | 43.2/173.1 |
| C76 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 36.5/140.7 |
| C77 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 36.5/142 |
| C78 | 4030006850 | S.CER C1608 JB 1H 471K-T | T | 24.4/161 |
| C79 | 4030006850 | S.CER C1608 JB 1H 471K-T | T | 24.4/165.2 |
| C81 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 27.9/157.8 |
| C82 | 4510008540 | S.ELE EEE1CA100SR | T | 23.8/155.4 |
| C84 | 4340000390 | S.MLR ECWU1H224JC9 | T | 39.3/133.4 |
| C85 | 4340000390 | S.MLR ECWU1H224JC9 | T | 35.7/179.6 |
| C86 | 4030006860 | S.CER C1608 JB 1H 102K-T | T | 48.6/125 |
| C87 | 4030008560 | S.CER C1608 CH 1H 300J-T | T | 29.9/146.5 |
| C88 | 4030008560 | S.CER C1608 CH 1H 300J-T | T | 29.9/143.4 |
| C89 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 80.2/178.6 |
| C91 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 67.6/150.9 |
| C94 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 67.6/131.7 |
| C98 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 110.8/40 |
| C100 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 125.5/36.7 |
| C102 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 140.5/41.6 |
| C104 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 155/42.4 |
| C106 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 167.6/45.1 |
| C108 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 185.1/33.2 |
| C110 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 199.3/35.5 |
| C112 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 229.7/56.7 |
| C114 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 251.5/53.5 |
| C116 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 271.8/33.9 |
| C118 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 275.6/33.9 |
| C120 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 110.9/90.2 |
| C122 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 129/90.3 |
| C124 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 141.6/90.4 |
| C126 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 154.8/90.3 |
| C128 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 167.4/90.4 |
| C130 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 179.7/90.3 |
| C132 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 192/90.7 |
| C134 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 204.3/90.3 |
| C136 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 216.8/90.5 |
| C147 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 193.4/134.5 |
| C148 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 65.9/159.5 |
| C150 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 250/58.3 |
| C152 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 193.4/154.1 |
| C153 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 76.6/176.3 |
| C155 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 193.2/174.6 |
| C162 | 4030011120 | S.CER GRM31M2C2H100JV01L | T | 74.1/5.8 |
| C164 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 37/72.8 |
| C165 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 25.4/19.2 |
| C172 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 32.2/56.1 |
| C173 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 24.6/38.4 |
| C174 | 4030005110 | S.CER C2012 JB 1E 473K-T | T | 29.4/68.9 |
| C176 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 173.4/170.7 |
| C178 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 176.5/148.9 |
| C179 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 102.7/27.5 |
| C181 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 27/174 |
| C182 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 76.6/123.4 |
| C183 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 76.6/125.7 |
| C184 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 76.6/128 |
| C185 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 76.6/130.3 |
| C186 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 76.6/132.6 |
| C187 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 76.6/134.9 |
| C188 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 76.6/137.2 |
| C189 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 76.6/139.5 |
| C190 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 76.6/160.2 |
| C191 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 76.6/162.5 |
| C192 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 76.6/164.8 |
| C193 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 76.6/167.1 |
| C194 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 76.6/169.4 |
| C195 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 76.6/171.7 |
| C196 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 76.6/174 |
| C197 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 76.6/141.8 |
| C198 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 76.6/144.1 |
| C199 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 76.6/146.4 |
| C200 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 76.6/148.7 |
| C201 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 76.6/151 |
| C202 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 76.6/153.3 |
| C203 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 76.6/155.6 |
| C204 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 76.6/157.9 |
| C205 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 83.8/123.4 |
| C206 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 83.8/125.7 |

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| REF NO. | ORDER NO. | DESCRIPTION | M. | H/V LOCATION |
|---------|------------|----------------------------------|----|--------------|
| C207 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 83.8/128 |
| C208 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 83.8/130.3 |
| C209 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 83.8/132.6 |
| C210 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 83.8/134.9 |
| C211 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 83.8/137.2 |
| C212 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 108.5/123.9 |
| C213 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 107.2/123.9 |
| C214 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 105.9/123.9 |
| C215 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 104.6/123.9 |
| C216 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 103.2/123.9 |
| C217 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 101.9/123.9 |
| C218 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 100.5/123.9 |
| C219 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 108.5/139.3 |
| C220 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 107.2/139.3 |
| C221 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 105.9/139.3 |
| C222 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 104.6/139.3 |
| C223 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 103.3/139.3 |
| C224 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 102/139.3 |
| C225 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 100.7/139.3 |
| C226 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 83.8/139.5 |
| C227 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 83.8/141.8 |
| C228 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 83.8/144.1 |
| C229 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 83.8/146.4 |
| C230 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 83.8/148.7 |
| C231 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 83.8/151 |
| C232 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 109.3/151.1 |
| C256 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 83.8/164.8 |
| C257 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 83.8/162.5 |
| C258 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 83.8/160.2 |
| C259 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 83.8/157.9 |
| C260 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 83.8/155.6 |
| C261 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 83.8/153.3 |
| C262 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 104.6/168.8 |
| C263 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 105.9/168.8 |
| C264 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 107.2/168.8 |
| C265 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 108.5/168.8 |
| C266 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 100.7/154 |
| C267 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 102/154 |
| C268 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 103.3/154 |
| C269 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 104.6/154 |
| C270 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 105.9/153.9 |
| C271 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 107.2/153.9 |
| C272 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 108.5/153.9 |
| C273 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 83.8/174 |
| C274 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 83.8/171.7 |
| C275 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 83.8/169.4 |
| C276 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 83.8/167.1 |
| C278 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 45/135.6 |
| C279 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 33.2/142 |
| C280 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 33.2/140.7 |
| C281 | 4030011600 | S.CER C1608 JB 1E 104K-T | T | 127.1/183.5 |
| C282 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 31.3/164.5 |
| C283 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 31.3/170.7 |
| C284 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 67.6/170 |
| C285 | 4030011330 | S.CER C1608 CH 1H 391J-T | T | 210/192.3 |
| C286 | 4030006880 | S.CER C1608 JB 1H 472K-T | T | 208.5/192.3 |
| RL1 | 6330001070 | RLY AJQ1341 B01 | | |
| RL2 | 6330001070 | RLY AJQ1341 B01 | | |
| RL3 | 6330001060 | RLY APQ 3311 | | |
| RL4 | 6330000570 | RLY AR-39251 | | |
| RL5 | 6330001060 | RLY APQ 3311 | | |
| RL6 | 6330001060 | RLY APQ 3311 | | |
| RL7 | 6330001060 | RLY APQ 3311 | | |
| RL8 | 6330001060 | RLY APQ 3311 | | |
| RL9 | 6330001060 | RLY APQ 3311 | | |
| RL10 | 6330001060 | RLY APQ 3311 | | |
| RL11 | 6330001060 | RLY APQ 3311 | | |
| RL12 | 6330001060 | RLY APQ 3311 | | |
| RL13 | 6330001060 | RLY APQ 3311 | | |
| RL14 | 6330001060 | RLY APQ 3311 | | |
| RL15 | 6330001060 | RLY APQ 3311 | | |
| RL16 | 6330001060 | RLY APQ 3311 | | |
| RL17 | 6330001060 | RLY APQ 3311 | | |
| RL18 | 6330001060 | RLY APQ 3311 | | |
| RL19 | 6330001060 | RLY APQ 3311 | | |
| RL20 | 6330001060 | RLY APQ 3311 | | |
| RL21 | 6330001060 | RLY APQ 3311 | | |
| RL22 | 6330001060 | RLY APQ 3311 | | |
| RL23 | 6330001060 | RLY APQ 3311 | | |
| RL24 | 6330001060 | RLY APQ 3311 | | |
| RL25 | 6330000570 | RLY AR-39251 | | |
| RL26 | 6330000570 | RLY AR-39251 | | |
| RL27 | 6330000570 | RLY AR-39251 | | |
| J4 | 6910003141 | CNR IMSA-9202B-1-02Z041-PT1 | | |
| J6 | 6910003141 | CNR IMSA-9202B-1-02Z041-PT1 | | |
| J13 | 6910003141 | CNR IMSA-9202B-1-02Z041-PT1 | | |
| J16 | 6510003100 | CNR RT01T-1.3BT | | |
| J19 | 6510022621 | S.CNR 10FMN-MBTR-A-TBT (LF) (SN) | T | 43.5/115.6 |

M.=Mounted side (T: Mounted on the Top side, B: Mounted on the Bottom side)

S.=Surface mount

[TUNER-1 UNIT]

| REF NO. | ORDER NO. | DESCRIPTION | M. | H/V LOCATION |
|---------|------------|-----------------------------|----|--------------|
| P4 | 6910003120 | CNR IMSA-9206H-T | | |
| P6 | 6910003120 | CNR IMSA-9206H-T | | |
| DS1 | 5040002620 | S.LED SML-311UT T86 | T | 167.6/134.7 |
| DS2 | 5040002620 | S.LED SML-311UT T86 | T | 165.9/131.5 |
| DS3 | 5040002620 | S.LED SML-311UT T86 | T | 164.3/134.7 |
| DS4 | 5040002620 | S.LED SML-311UT T86 | T | 162.4/131.5 |
| DS5 | 5040002620 | S.LED SML-311UT T86 | T | 160.7/134.7 |
| DS6 | 5040002620 | S.LED SML-311UT T86 | T | 158.9/131.5 |
| DS7 | 5040002620 | S.LED SML-311UT T86 | T | 157/134.7 |
| DS8 | 5040002620 | S.LED SML-311UT T86 | T | 155.4/131.5 |
| DS9 | 5040002620 | S.LED SML-311UT T86 | T | 153.7/134.7 |
| DS10 | 5040002620 | S.LED SML-311UT T86 | T | 151.9/131.5 |
| DS11 | 5040002620 | S.LED SML-311UT T86 | T | 150.2/134.7 |
| DS12 | 5040002620 | S.LED SML-311UT T86 | T | 148.4/131.6 |
| DS13 | 5040002620 | S.LED SML-311UT T86 | T | 165.9/143 |
| DS14 | 5040002620 | S.LED SML-311UT T86 | T | 164.3/146.9 |
| DS15 | 5040002620 | S.LED SML-311UT T86 | T | 148.3/143 |
| DS16 | 5040002620 | S.LED SML-311UT T86 | T | 150.1/146.9 |
| DS17 | 5040002620 | S.LED SML-311UT T86 | T | 151.9/143 |
| DS18 | 5040002620 | S.LED SML-311UT T86 | T | 153.6/146.9 |
| DS19 | 5040002620 | S.LED SML-311UT T86 | T | 155.3/143 |
| DS20 | 5040002620 | S.LED SML-311UT T86 | T | 157.1/146.9 |
| DS21 | 5040002620 | S.LED SML-311UT T86 | T | 158.9/143 |
| DS22 | 5040002620 | S.LED SML-311UT T86 | T | 160.6/146.9 |
| DS23 | 5040002620 | S.LED SML-311UT T86 | T | 162.5/143 |
| DS24 | 5040002620 | S.LED SML-311UT T86 | T | 127/185.1 |
| S2 | 2260001890 | S.SW SKQDPA | T | 154/172.9 |
| W18 | 9011570360 | WIR 35/00/110/W06/W06 | | |
| W61 | 9011570370 | WIR 99/02/170/W06/W06UL3239 | | |

[CHASS UNIT]

| REF NO. | ORDER NO. | DESCRIPTION | M. | H/V LOCATION |
|---------|------------|--------------|----|--------------|
| W501 | 8900014990 | CBL OPC-1468 | | |
| W502 | 8900011400 | CBL OPC-1164 | | |

M.=Mounted side (T: Mounted on the Top side, B: Mounted on the Bottom side)
S.=Surface mount

SECTION 6 MECHANICAL PARTS AND DISASSEMBLY

[CHASSIS PARTS]

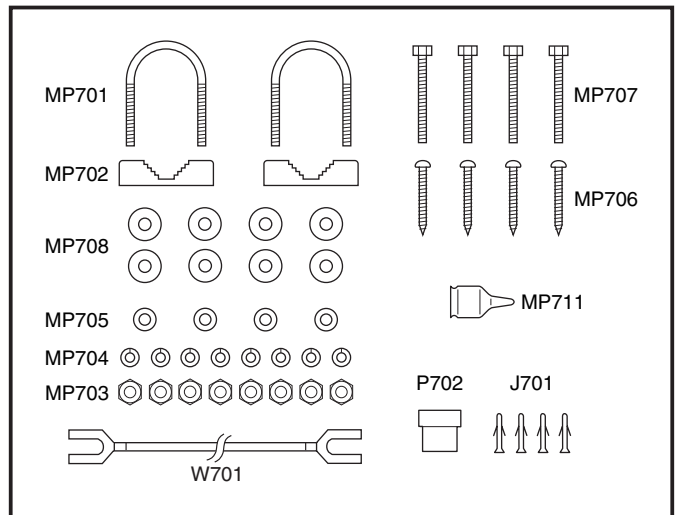
| REF. NO. | ORDER NO. | DESCRIPTION | QTY. |
|----------|------------|---------------------------|------|
| W501 | 8900011380 | Cable OPC-1146 | 1 |
| W502 | 8900011400 | Cable OPC-1164 | 1 |
| EP501 | 6910000880 | Sheet NC-1 (SUS) | 1 |
| EP502 | 6910000880 | Sheet NC-1 (SUS) | 1 |
| MP501 | 8310006540 | High voltage waring seal | 1 |
| MP502 | 8010019030 | 1157 U-case | 1 |
| MP503 | 8010019020 | 1157 L-case | 1 |
| MP504 | 8930006900 | Mounting plate | 2 |
| MP505 | 8930006540 | Waterproof seal | 1 |
| MP506 | 8930002800 | O ring (G) | 2 |
| MP507 | 8930006550 | Sealing washer (A) | 1 |
| MP508 | 8930006560 | Sealing washer (C) | 1 |
| MP509 | 8930006570 | Sealing washer (D) | 4 |
| MP510 | 6910000470 | Pair insulator | 1 |
| MP512 | 8310066500 | Caution seal (P) | 1 |
| MP517 | 8810000620 | Screw PH M3 × 13 SUS | 1 |
| MP518 | 8830000230 | Nut M3 SUS | 1 |
| MP519 | 8810003480 | Hex head bolt M5 × 60 SUS | 1 |
| MP520 | 8860000160 | Earth lug B8 (M5) AG BS | 1 |
| MP521 | 8850000500 | Spring washer M5 SUS | 1 |
| MP522 | 8850000180 | Flat washer M5 SUS | 1 |
| MP523 | 8830000250 | Nut M5 SUS | 1 |
| MP524 | 8860000190 | Earth lug (M5) AG BS | 1 |
| MP525 | 8850000600 | Gear Washer M5 SUS | 1 |
| MP526 | 8830000370 | Wing nut M5 SUS | 1 |
| MP527 | 8810003470 | Hex head bolt M5 × 20 SUS | 1 |
| MP528 | 8860000160 | Earth lug B8 (M5) AG BS | 1 |
| MP529 | 8850000500 | Spring washer M5 SUS | 1 |
| MP530 | 8850000180 | Flat washer M5 SUS | 1 |
| MP531 | 8830000250 | Nut M5 SUS | 1 |
| MP532 | 8860000190 | Earth lug D5 (M5) AG BS | 1 |
| MP533 | 8850000600 | Gear Washer M5 SUS | 1 |
| MP534 | 8830000370 | Wing nut M5 SUS | 1 |
| MP535 | 8810002800 | Screw PH M5 × 10 SUS | 4 |
| MP536 | 8810000660 | Screw PH M4 × 14 SUS | 10 |
| MP537 | 8810001480 | Screw PH A M5 × 10 SUS | 2 |
| MP538 | 8810001691 | Screw PH B0 3 × 8 (PL) | 9 |
| MP539 | 8830000240 | Nut M4 SUS | 10 |
| MP541 | 8930006570 | Sealing washer (D) | 1 |
| MP544 | 8930006570 | Sealing washer (D) | 1 |
| MP551 | 8950001980 | Cable tie-140 | 1 |
| MP552 | 6910014570 | Super ground (FGA13-08B) | 1 |
| MP553 | 6910014570 | Super ground (FGA13-08B) | 1 |

[TUNER-1 UNIT]

| REF. NO. | ORDER NO. | DESCRIPTION | QTY. |
|----------|------------|-----------------------------|------|
| MP3 | 8510001101 | Shield case (A) cover (A)-1 | 1 |
| MP4 | 8510001081 | Shield case (A)-1 | 1 |
| MP6 | 8510003500 | 406 shield case | 1 |
| MP7 | 8510002020 | MIX shield case | 1 |
| MP11 | 8510003500 | 406 shield case | 1 |
| MP12 | 8510003510 | 406 shield case cover | 1 |
| MP22 | 8510003500 | 406 shield case | 1 |
| MP23 | 8510003510 | 406 shield case cover | 1 |

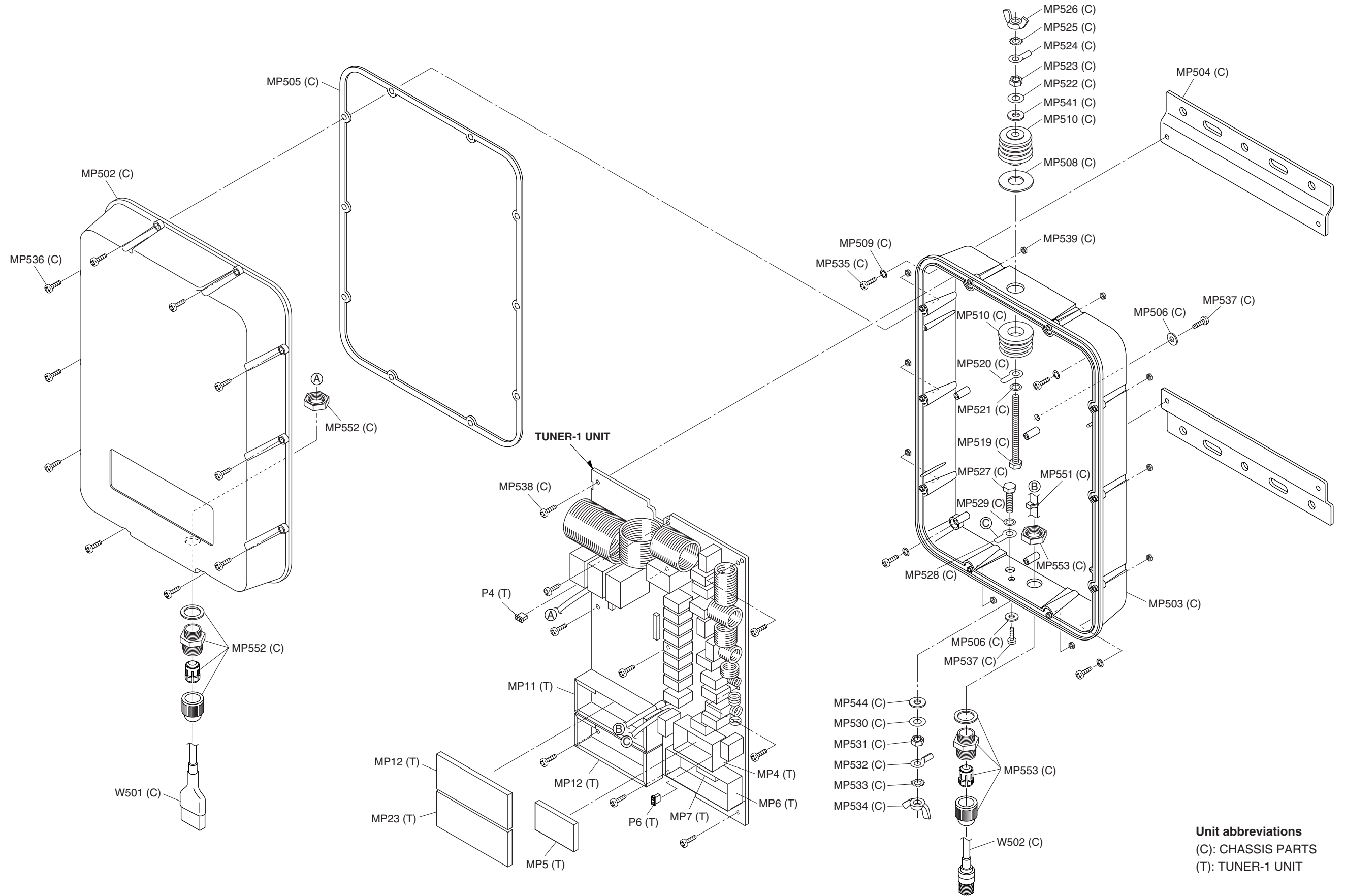
[ACCESSORIES]

| REF. NO. | ORDER NO. | DESCRIPTION | QTY. |
|----------|------------|---------------------------|------|
| W701 | 8900004200 | Cable OPC-412 | 1 |
| J701 | 6510002030 | Connector 1380T | 4 |
| P702 | 6510001930 | 1490P1 | 1 |
| MP701 | 8820000440 | U-bolt A SUS | 2 |
| MP702 | 8010000010 | U-bolt plate | 2 |
| MP703 | 8830000260 | Nut M6 SUS | 8 |
| MP704 | 8850000510 | Spring washer M6 SUS | 8 |
| MP705 | 8850000190 | Flat washer M6 SUS | 4 |
| MP706 | 8810001500 | Screw PH A M6 × 30 SUS | 4 |
| MP707 | 8810003500 | Hex head bolt M6 × 50 SUS | 4 |
| MP708 | 8850000200 | Flat washer M6 SUS | 8 |
| MP711 | 6950000010 | Waterproof cap | 1 |



Screw abbreviations

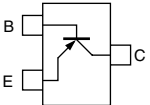
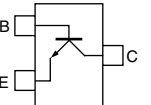
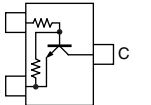
A,B0,B1: Self-tapping
 PH: Pan head BS: Brass
 NI: Nickel SUS: Stainless



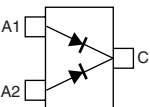
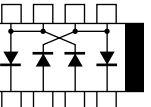
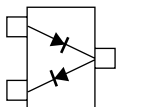
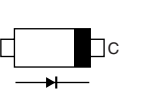
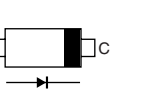
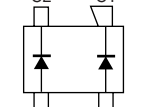
Unit abbreviations
 (C): CHASSIS PARTS
 (T): TUNER-1 UNIT

SECTION 7 SEMICONDUCTOR INFORMATION

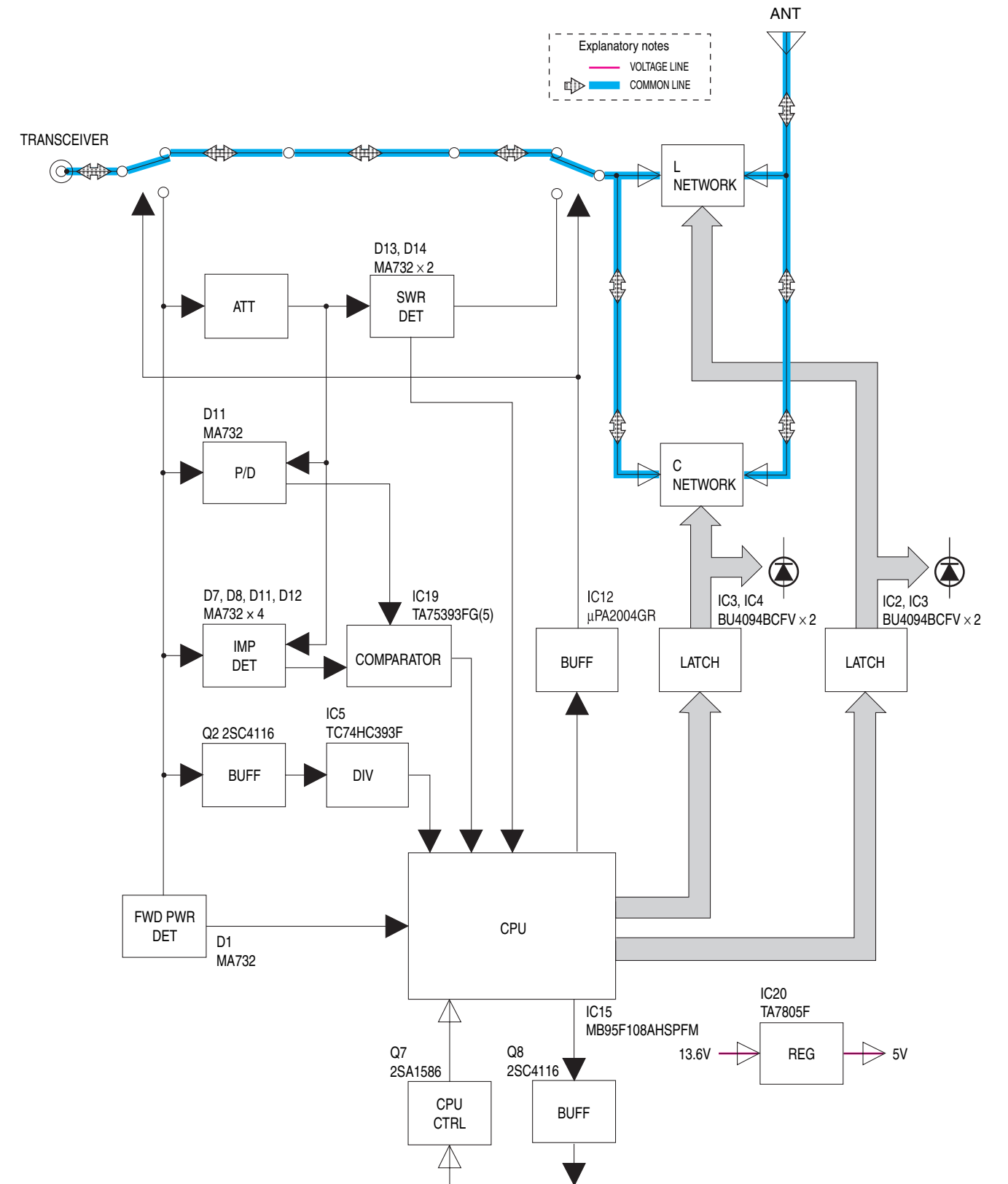
• TRANSISTORS AND FET'S

| | | | | |
|---|---|--|--|--|
| <p>2SA1586 GR (Symbol: SG)</p>  | <p>2SC4116 GR (Symbol: LG)</p>  | <p>DTC144EUA T106 (Symbol: 26_)</p>  | | |
|---|---|--|--|--|

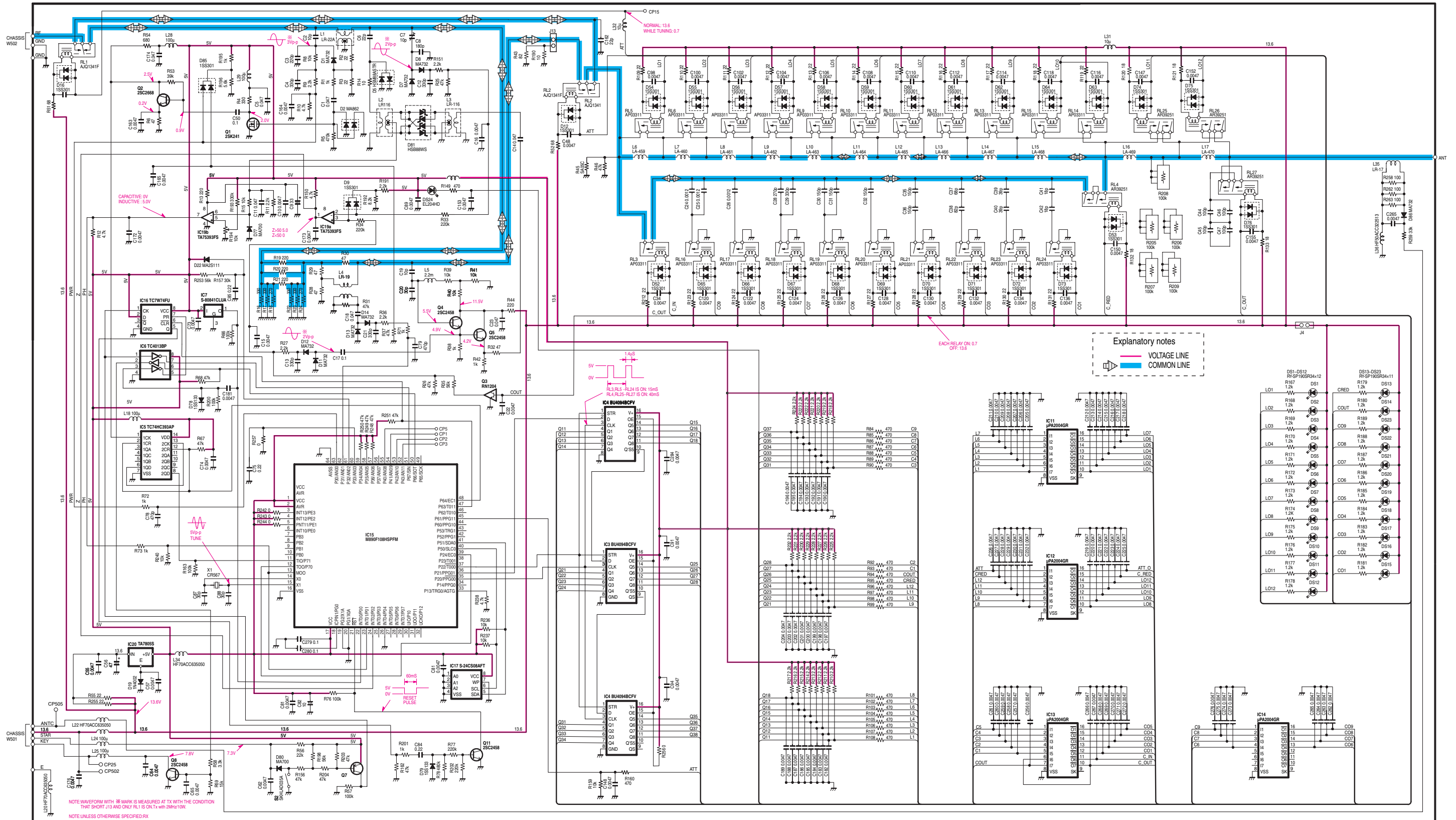
• DIODES

| | | | | |
|---|---|---|--|--|
| <p>1SS301 (Symbol: B3)</p>  | <p>HSB88WSTR (Symbol: Silver line)</p>  | <p>HSM88AS TR (Symbol: C1)</p>  | <p>MA2S111 (Symbol: A)</p>  | <p>MA732 (Symbol: 2C)</p>  |
| <p>MA862 (Symbol: M11)</p>  | | | | |

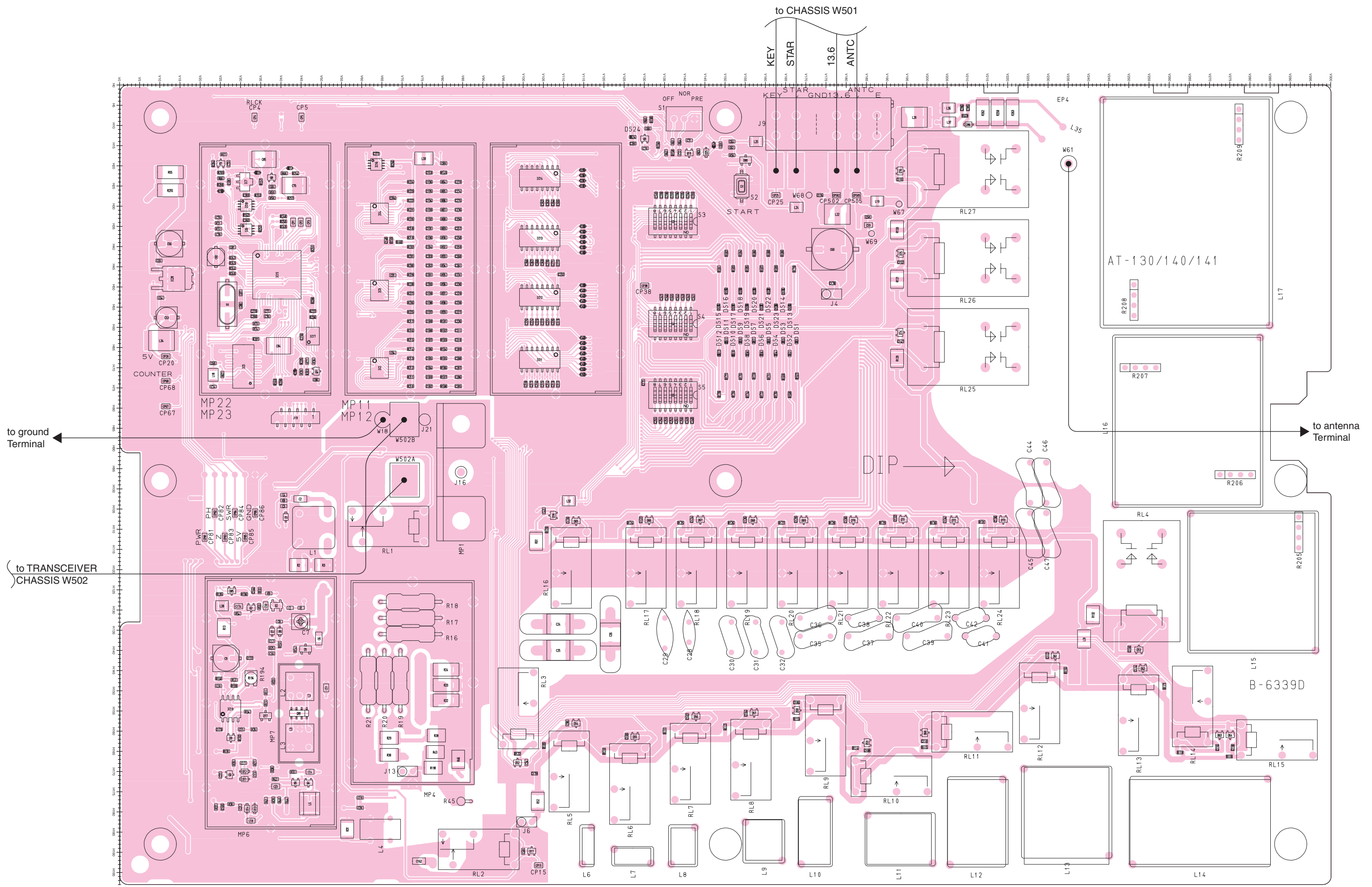
SECTION 8 BLOCK DIAGRAM



SECTION 9 VOLTAGE DIAGRAM



SECTION 10 BOARD LAYOUT



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