

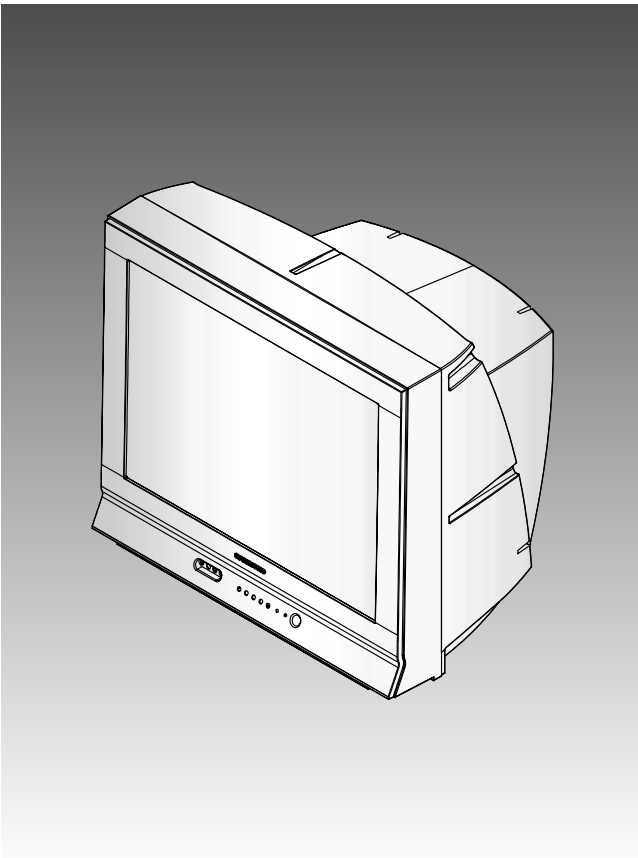
SAMSUNG

COLOR TELEVISION RECEIVER

Chassis : KS3A(N)
Model : TXM2790FX/XAA

SERVICE *Manual*

COLOR TELEVISION RECEIVER



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ELECTRONICS

1. Precautions

Follow these safety, servicing and ESD precautions to prevent damage and protect against potential hazards such as electrical shock and X-rays.

1-1 Safety Precautions

1. Be sure that all of the built-in protective devices are replaced. Restore any missing protective shields.
2. When reinstalling the chassis and its assemblies, be sure to restore all protective devices, including: nonmetallic control knobs and compartment covers.
3. Make sure that there are no cabinet openings through which people—particularly children—might insert fingers and contact dangerous voltages. Such openings include the spacing between the picture tube and the cabinet mask, excessively wide cabinet ventilation slots, and improperly fitted back covers.

If the measured resistance is less than 1.0 megohm or greater than 5.2 megohms, an abnormality exists that must be corrected before the unit is returned to the customer.

4. Leakage Current Hot Check (Figure 1-1):
Warning: Do not use an isolation transformer during this test. Use a leakage-current tester or a metering system that complies with American National Standards Institute (ANIS C101.1, Leakage Current for Appliances), and Underwriters Laboratories (UL Publication UL1410, 59.7).
5. With the unit completely reassembled, plug the AC line cord directly into the power outlet. With the unit's AC switch first in the ON position and then OFF, measure the current between a known earth ground (metal water pipe, conduit, etc.) and all exposed metal parts, including: antennas, handle brackets, metal cabinets, screwheads and control shafts. The current measured should not exceed 0.5 milliamp. Reverse the power-plug prongs in the AC outlet and repeat the test.

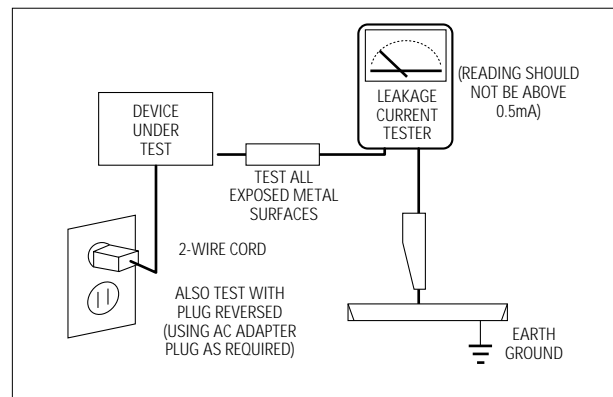


Fig. 1-1 AC Leakage Test



6. Antenna Cold Check:
With the unit's AC plug disconnected from the AC source, connect an electrical jumper across the two AC prongs. Connect one lead of the ohmmeter to an AC prong. Connect the other lead to the coaxial connector.
7. X-ray Limits:
The picture tube is especially designed to prohibit X-ray emissions. To ensure continued X-ray protection, replace the picture tube only with one that is the same type as the original. Carefully reinstall the picture tube shields and mounting hardware; these also provide X-ray protection.
8. High Voltage Limits:
High voltage must be measured each time servicing is done on the B+, horizontal deflection or high voltage circuits. Correct operation of the X-ray protection circuits must be reconfirmed whenever they are serviced.
(X-ray protection circuits also may be called "horizontal disable" or "hold-down".)

Heed the high voltage limits. These include the X-ray Protection Specifications Label, and the Product Safety and X-ray Warning Note on the service data schematic.

1-1 Safety Precautions (Continued)

9. High voltage is maintained within specified limits by close-tolerance, safety-related components and adjustments. If the high voltage exceeds the specified limits, check each of the special components.
10. Design Alteration Warning:
Never alter or add to the mechanical or electrical design of this unit. Example: Do not add auxiliary audio or video connectors. Such alterations might create a safety hazard. Also, any design changes or additions will void the manufacturer's warranty.
11. Hot Chassis Warning:
Some TV receiver chassis are electrically connected directly to one conductor of the AC power cord. If an isolation transformer is not used, these units may be safely serviced only if the AC power plug is inserted so that the chassis is connected to the ground side of the AC source.

To confirm that the AC power plug is inserted correctly, do the following: Using an AC voltmeter, measure the voltage between the chassis and a known earth ground. If the reading is greater than 1.0V, remove the AC power plug, reverse its polarity and reinsert. Re-measure the voltage between the chassis and ground.
12. Some TV chassis are designed to operate with 85 volts AC between chassis and ground, regardless of the AC plug polarity. These units can be safely serviced only if an isolation transformer inserted between the receiver and the power source.
13. Some TV chassis have a secondary ground system in addition to the main chassis ground. This secondary ground system is not isolated from the AC power line. The two ground systems are electrically separated by insulating material that must not be defeated or altered.
14. Components, parts and wiring that appear to have overheated or that are otherwise damaged should be replaced with parts that meet the original specifications. Always determine the cause of damage or overheating, and correct any potential hazards.
15. Observe the original lead dress, especially near the following areas: Antenna wiring, sharp edges, and especially the AC and high voltage power supplies. Always inspect for pinched, out-of-place, or frayed wiring. Do not change the spacing between components and the printed circuit board. Check the AC power cord for damage. Make sure that leads and components do not touch thermally hot parts.
16. Picture Tube Implosion Warning:
The picture tube in this receiver employs "integral implosion" protection. To ensure continued implosion protection, make sure that the replacement picture tube is the same as the original.
17. Do not remove, install or handle the picture tube without first putting on shatterproof goggles equipped with side shields. Never handle the picture tube by its neck. Some "in-line" picture tubes are equipped with a permanently attached deflection yoke; do not try to remove such "permanently attached" yokes from the picture tube.
18. Product Safety Notice:
Some electrical and mechanical parts have special safety-related characteristics which might not be obvious from visual inspection. These safety features and the protection they give might be lost if the replacement component differs from the original—even if the replacement is rated for higher voltage, wattage, etc.

Components that are critical for safety are indicated in the circuit diagram by shading, () or (). Use replacement components that have the same ratings, especially for flame resistance and dielectric strength specifications. A replacement part that does not have the same safety characteristics as the original might create shock, fire or other hazards.

1-2 Servicing Precautions

Warning1: First read the "Safety Precautions" section of this manual. If some unforeseen circumstance creates a conflict between the servicing and safety precautions, always follow the safety precautions.

Warning2: An electrolytic capacitor installed with the wrong polarity might explode.

1. Servicing precautions are printed on the cabinet. Follow them.
2. Always unplug the unit's AC power cord from the AC power source before attempting to:
(a) Remove or reinstall any component or assembly, (b) Disconnect an electrical plug or connector, (c) Connect a test component in parallel with an electrolytic capacitor.
3. Some components are raised above the printed circuit board for safety. An insulation tube or tape is sometimes used. The internal wiring is sometimes clamped to prevent contact with thermally hot components. Reinstall all such elements to their original position.
4. After servicing, always check that the screws, components and wiring have been correctly reinstalled. Make sure that the portion around the serviced part has not been damaged.
5. Check the insulation between the blades of the AC plug and accessible conductive parts (examples: metal panels, input terminals and earphone jacks).
6. Insulation Checking Procedure: Disconnect the power cord from the AC source and turn the power switch ON. Connect an insulation resistance meter (500V) to the blades of the AC plug.

The insulation resistance between each blade of the AC plug and accessible conductive parts (see above) should be greater than 1 megohm.
7. Never defeat any of the B+ voltage interlocks. Do not apply AC power to the unit (or any of its assemblies) unless all solid-state heat sinks are correctly installed.
8. Always connect a test instrument's ground lead to the instrument chassis ground before connecting the positive lead; always remove the instrument's ground lead last.

1-3 Precautions for Electrostatically Sensitive Devices (ESDs)

1. Some semiconductor (“solid state”) devices are easily damaged by static electricity. Such components are called Electrostatically Sensitive Devices (ESDs); examples include integrated circuits and some field-effect transistors. The following techniques will reduce the occurrence of component damage caused by static electricity.
2. Immediately before handling any semiconductor components or assemblies, drain the electrostatic charge from your body by touching a known earth ground. Alternatively, wear a discharging wrist-strap device. (Be sure to remove it prior to applying power—this is an electric shock precaution.)
3. After removing an ESD-equipped assembly, place it on a conductive surface such as aluminum foil to prevent accumulation of electrostatic charge.
4. Do not use freon-propelled chemicals. These can generate electrical charges that damage ESDs.
5. Use only a grounded-tip soldering iron when soldering or unsoldering ESDs.
6. Use only an anti-static solder removal device. Many solder removal devices are not rated as “anti-static”; these can accumulate sufficient electrical charge to damage ESDs.
7. Do not remove a replacement ESD from its protective package until you are ready to install it. Most replacement ESDs are packaged with leads that are electrically shorted together by conductive foam, aluminum foil or other conductive materials.
8. Immediately before removing the protective material from the leads of a replacement ESD, touch the protective material to the chassis or circuit assembly into which the device will be installed.
9. Minimize body motions when handling unpackaged replacement ESDs. Motions such as brushing clothes together, or lifting a foot from a carpeted floor can generate enough static electricity to damage an ESD.

2. Reference Information

2-1 Tables of Abbreviations and Acronyms

Table 2-1 Abbreviations

| | | | |
|------|--|-----|------------------------|
| A | Ampere | MV | Megavolt |
| Ah | Ampere-hour | MW | Megawatt |
| Å | Angstrom | MΩ | Megohm |
| dB | Decibel | m | Meter |
| dBm | Decibel Referenced to One Milliwatt | μA | Microampere |
| °C | Degree Celsius | μF | Microfarad |
| °F | Degree Fahrenheit | μH | Microhenry |
| °K | degree Kelvin | μm | Micrometer |
| F | Farad | μs | Microsecond |
| G | Gauss | μW | Microwatt |
| GHz | Gigahertz | mA | Milliampere |
| g | Gram | mg | Milligram |
| H | Henry | mH | Millihenry |
| Hz | Hertz | ml | Milliliter |
| h | Hour | mm | Millimeter |
| ips | Inches Per Second | ms | Millisecond |
| kWh | Kilowatt-hour | mV | Millivolt |
| kg | Kilogram | nF | Nanofarad |
| kHz | Kilohertz | Ω | Ohm |
| kΩ | Kilohm | pF | Picofarad |
| km | Kilometer | lb | Pound |
| km/h | Kilometer Per Hour | rpm | Revolutions Per Minute |
| kV | Kilovolt | rps | Revolutions Per Second |
| kVA | Kilovolt-ampere | s | Second (Time) |
| kW | Kilowatt | V | Volt |
| l | Liter | VA | Volt-ampere |
| MHz | Megahertz | W | Watt |
| | | Wh | Watt-hour |

Table 2-2 Table of Acronyms

| | | | |
|-------|---|--------|---|
| ABL | Automatic Brightness Limiter | I/O | Input/output |
| AC | Alternating Current | L | Left |
| ACC | Automatic Chroma Control | L | Low |
| AF | Audio Frequency | LED | Light Emitting Diode |
| AFC | Automatic Frequency Control | LF | Low Frequency |
| AFT | Automatic Fine Tuning | MOSFET | Metal-Oxide-Semiconductor-Field-Effect-Tr |
| AGC | Automatic Gain Control | MTS | Multi-channel Television Sound |
| AM | Amplitude Modulation | NAB | National Association of Broadcasters |
| ANSI | American National Standards Institute | NEC | National Electric Code |
| APC | Automatic Phase Control | NTSC | National Television Systems Committee |
| APC | Automatic Picture Control | OSD | On Screen Display |
| A/V | Audio-Video | PCB | Printed Circuit Board |
| AVC | Automatic Volume Control | PLL | Phase-Locked Loop |
| BAL | Balance | PWM | Pulse Width Modulation |
| BPF | Bandpass Filter | QIF | Quadrature Intermediate Frequency |
| B-Y | Blue-Y | R | Right |
| CATV | Community Antenna Television (Cable TV) | RC | Resistor & Capacitor |
| CB | Citizens Band | RF | Radio Frequency |
| CCD | Charge Coupled Device | R-Y | Red-Y |
| CCTV | Closed Circuit Television | SAP | Second Audio Program |
| Ch | Channel | SAW | Surface Acoustic Wave(Filter) |
| CRT | Cathode Ray Tube | SIF | Sound Intermediate Frequency |
| CW | Continuous Wave | SMPS | Switching Mode Power Supply |
| DC | Direct Current | S/N | Signal/Noise |
| DVM | Digital Volt Meter | SW | Switch |
| EIA | Electronics Industries Association | TP | Test Point |
| ESD | Electrostatic Discharge | TTL | Transistor Transistor Logic |
| ESD | Electrostatically Sensitive Device | TV | Television |
| FBP | Feedback Pulse | UHF | Ultra High Frequency |
| FBT | Flyback Transformer | UL | Underwriters Laboratories |
| FF | Flip-Flop | UV | Ultraviolet |
| FM | Frequency Modulation | VCD | Variable-Capacitance Diode |
| FS | Fail Safe | VCO | Voltage Controlled Oscillator |
| GND | Ground | VCXO | Voltage Controlled Crystal Oscillator |
| G-Y | Green-Y | VHF | Very High Frequency |
| H | High | VIF | Video Intermediate Frequency |
| HF | High-Frequency | VR | Variable Resistor |
| HI-FI | High Fidelity | VTR | Video Tape Recorder |
| IC | Inductance-Capacitance | VTVM | Vacuum Tube Voltmeter |
| IC | Integrated Circuit | TR | Transistor |
| IF | Intermediate Frequency | | |

2-2 IC Line Up

| NO | BOARD | LOC. NO | SPEC | DESCRIPTION | REMARK |
|-------|---------------|-------------------------|----------------------|-------------------------------|----------------------|
| 1 | MAIN | IC201S | VDP3130Y | Video Processor | Refer to Table 2-3-1 |
| | | IC601 | MSP3451G | Multistandard Sound Processor | Refer to Table 2-3-2 |
| | | IC901 | SIM408AY | MICOM, TTX(MTP) | |
| | | IC902 | KS24L161 | EEPROM | |
| | | IC602 | TDA7297 | Audio AMP | Refer to Table 2-3-3 |
| | | HIC201 | DRGB001 | RGB Drive AMP Hybrid IC | VM Option |
| | | HIC202 | | | |
| | | HIC203 | | | |
| | | HIC204 | | | |
| | | HIC401 | DDRI001 | 100Hz Horizontal Pulse AMP | Option |
| | | IC301 | LA7845 | Vertical IC | |
| | | Q402 | KSC2073-H2 | Horizontal Drive IC | HC401 |
| | | Q401 | KSD5703 | | |
| | | D414 | FMP-3FU | | |
| | | IC401 | KA393 | E/W Drive IC | |
| | | Q404 | IRF620 | | |
| | | IC801S | 3S1265R | SPS Controllor | |
| | | D801S | RBV606 | Bridge Diode | |
| | | PC801S | PC123Y | Photo Coupler | |
| | | IC802 | KA78R05 | 5V Controlled Regulator | HC801 |
| | | D805 | FML-G12S | Rectifier Diode | |
| | | D806 | | | |
| | | D807 | | | |
| | | D802 | FMG-G2CS | | |
| | | IC201 | KA78RM33 | 3.3V Regulator | VDPY |
| | | IC804 | KA7806 | 6V Regulator | |
| | | IC803 | KA78R08 | 8V Controlled Regulator | |
| | | IC903 | KA78RM33 | 3.3V Regulator | |
| | | IC904 | KIA7025AP | MICOM Reset IC | |
| | | Q909 | 2N7000 | IIC Level Shifter | |
| | | Q910 | | | |
| | | TU01S | TCLN3181PA09A | Main Tuner with IF Block | Refer to Table 2-3-4 |
| TU02S | TCPN3081PD09A | Sub Tuner with IF Block | Refer to Table 2-3-5 | | |

| Table 2 - 3 IC Line - Up | | | | | |
|--------------------------|--------------|---------|------------|--------------------------------------|--------|
| NO | BOARD | LOC. NO | SPEC | DESCRIPTION | REMARK |
| 2 | CRT | IC501 | TDA6111Q | Video Output AMP R.G.B Drive | Option |
| | | IC502 | | | |
| | | IC503 | | | |
| | | QF04 | 2SC2344 | Push-Pull (VM) | |
| | | QF05 | 2SA1011 | | |
| | | QG02 | KSA940 | TR-Power (TILT) | |
| | | QG03 | KSD2073-H2 | | |
| | | ICG01 | KA4558 | OP-AMP (TILT) | |
| 3 | DOUBLE FOCUS | ICH01 | KA4558 | OP-AMP | Option |
| | | QH01 | 2SC4636RB | TR-Power | |
| 4 | V-S/W | ICS01 | TEA6425 | Video Switching IC with Adder Output | Option |
| 5 | PIP | ICP01 | SDA9388X | High-end Picture-In Picture IC | Option |
| | | ICP02 | EZ1086CM | 3.3V Regulator | |

Table 2-3-1 VIDEO IC (IC201S)

| SPEC | FUNCTION | REMARK |
|----------|---|--------|
| VDP3108B | 50Hz Basic | |
| VDP3112B | 50Hz, 2H Comb Filtr | |
| VDP3120B | 50Hz, 2H Comb Filter, Horizontal Scaler | |
| VDP3130Y | 50Hz, 2H Comb Filter, DVD Input | |
| VDP3140D | 100Hz | |

Table 2-3-2 SOUND IC (IC601)

| SPEC | FUNCTION | REMARK |
|----------|---|--------|
| MSP3400D | Multistandard, A2 Stereo | |
| MSP3410D | Multistandard, A2 Stereo, Nicam | |
| MSP3411G | Multistandard, A2 Stereo, Virtual Dolby | |
| MSP3440G | Multistandard, A2 Stereo, Virtual Dolby | |
| MSP3451G | Multistandard, A2 Stereo, Virtual Dolby | |

Table 2-3-3 SOUND AMP (IC602)

| SPEC | FUNCTION | REMARK |
|---------|----------------------|--------|
| TDA7297 | 15W x 2CH, 10W x 2CH | |

Table 2-3-4 1'st TUNER (TU01S)

| SPEC | FUNCTION | REMARK |
|---------------|-----------------------------|-----------------|
| TCLN3181PA09A | NTSC, PAL N.M, LNA Function | Main, F-Jack |
| TCPN3081PC09A | PAL N.M, NTSC, LNA Function | Main, Thin Jack |
| TCPN3081PA09A | PAL N.M, NTSC, LNA Function | Main 1Tuner |

Note TCPS3001PD09A(S) is out-of-date, TCPS3001PD09D(S) which is up-to-date has the same function.

Table 2-3-5 2'nd TUNER (TU02S)

| SPEC | FUNCTION | REMARK |
|---------------|----------------------------|--------|
| TCLN3181PD09A | NTSC, PAL N.M LNA Function | Sub |
| TCPN3081PD09A | NTSC | Sub |

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3. Specifications

| | | | |
|--------------------------|---------------------|------------------------------|------------------|
| Television System | Multi | NTSC-M, PAL N.M | |
| Antena Input | | 75ohms, Coaxial Cable | |
| Power | Consumption | 160W (Applied When 29" Flat) | |
| | Requirements | Free Volts(100V-240Volts) | |
| | | Free Voltage | Not Present R815 |
| | Frequency | 50/60Hz | |
| Sound | Output | 15W x 2CH | |
| | | 10W x 2CH | |
| | | 5W x 2CH | |
| | Effect | Vitual Dolby | Option |
| | | Turbo Sound | |
| Pseudo Stereo | | | |
| Jacks | Front (AV2) | RCA Input | |
| | | S-VHS | Option |
| | | Head-Phone | |
| | Back | 2 AV Input | |
| | | DVD Input(YPbPr) | Option |
| | | AV2 Monitor Audio Output | Option |
| | | S-VHS | Option |

Specifications are subject to change.



Specifications for Model Name

| | Function | NOTE |
|----------|-----------------|-------------|
| P | 2 TUNER PIP | |

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4. Alignment and Adjustments

4-1 General Alignment Instructions

1. Usually, a color TV-VCR needs only slight touch-up adjustment upon installation. Check the basic characteristics such as height, horizontal and vertical sync and focus.
2. Observe the picture for good black and white details. There should be objectionable color shading; if color shading is present, demagnetize, perform purity and convergence adjustments described below.
3. Use the specified test equipment or its equivalent.
4. Correct impedance matching is essential.
5. Avoid overload. Excessive signal from a sweep generator might overload the front-end of the TV. When inserting signal markers, do not allow the marker generator to distort test results.
6. Connect the TV only to an AC power source with voltage and frequency as specified on the backcover nameplate.
7. Do not attempt to connect or disconnect any wires while the TV is turned on. Make sure that the power cord is disconnected before replacing any parts.
8. To protect against shock hazard, use an isolation transformer.

4-2 Automatic Degaussing

A degaussing coil is mounted around the picture tube, so that external degaussing after moving the TV should be unnecessary. But the receiver must be properly degaussed upon installation.

The degaussing coil operates for about 1 second after the power is switched ON. If the set is moved or turned in a different direction, the power should be OFF for at least 10 minutes.

If the chassis or parts of the cabinet become magnetized, poor color purity will result. If this happens, use an external degaussing coil. Slowly move the degaussing coil around the faceplate of the picture tube and the sides and front of the receiver. Slowly withdraw the coil to a distance of about 6 feet before turning power OFF.

If color shading persists, perform the following Color purity and Convergence adjustments.

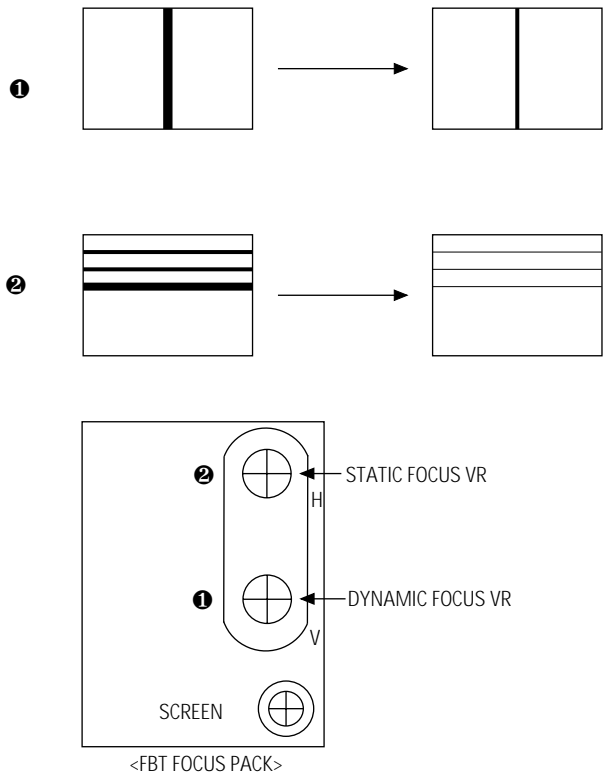
4-3 High voltage Check

CAUTION : There is no high voltage adjustment on this chassis. The B+ power supply should be +135 volts (with full color- bar input and normal picture level).

1. Connect a digital voltmeter to the second anode of the picture tube.
2. Turn on the TV. Set the Brightness and Contrast controls to minimum (zero beam current).
3. Adjust the Brightness and contrast controls to both extremes. Ensure that the high voltage does not exceed 32 KV under any conditions.

4-4 Dynamic Focus Adjustment

1. A dynamic focus adjustment should be done after replacing the CRT PCB, FBT or CRT.
2. Input a crosshatch pattern.
3. Enter " STANDARD " in video mode.
4. Turn the Dynamic focus VR fully clockwise (maximum). (❶)
5. Turn the Static focus VR fully counterclockwise (maximum). (❷)
6. Slowly turn the static focus VR counterclockwise. Adjust until the vertical line in the middle of the screen has maximum clarity. (❶)
7. Slowly turn the dynamic focus VR (clockwise) and adjust the 3rd horizontal line for maximum clarity. (❷)
8. Repeat 4-7, if necessary.



4-5 SCREEN Adjustment

1. Input Toshiba Pattern
2. Enter "Service Mode". (Refer to "Service Mode")
3. Select "G2-Adjust".
4. Set the values as below.

IBRM = 200
WDRV = 35
CDL = 200
COLR G B = 120 120 120

5. Turn the SCREEN VR until "MRCR G B" and "MRWDG" are green and those value are about 100.
(The incorrect SCREEN Voltage may result that "MRCR G B" and "MRWDG" should be red)

Note 1. When you do not have Toshiba Pattern, follow this method.

1. Set the TV on the condition that AV mode no signal(black)
2. Enter the "Menu" and set the mode to blue screen off.
3. Enter the "Service Mode".
4. Select " G2-Adjust".
5. Set the values as below.

IBRM = 200
WDRV = 35
CDL = 200
COLR G B = 120 120 120

6. Turn the SCREEN VR until the value of " MRCR G B" is about 120. Do not mind that the "OSD" Color is red.

■ After completing G2-Adjust, follow this procedure.

- ① Enter the "Video Adjust 1".
- ② Choose any item in menu. (ex. Select "Red Cutoff")
- ③ Change the value of item you select, and recover the value.

For example, when the value of "Red Cutoff" is 127, change the value to 128 and restore the value to 127.

If you do not follow this procedure, the picture may be abnormal.
 For example, when the TV set is on, the picture becomes brighter gradually.

4-6 E²PROM (IC902) Replacement

1. When IC902 is replaced, all adjustment data revert to the initial values.
So, all adjustment values when servicing should be readjusted.
2. After IC902 is replaced, connect the AC power supply cord.
3. Turn the power switch ON.
4. In stand-by, warm up the TV for at least 10 seconds.
5. Power on the TV.

4-7 White Balance Adjustment

- Equipment : Color-Analyzer (CA-100)
- Input Signal : Pattern signal (Toshiba pattern)

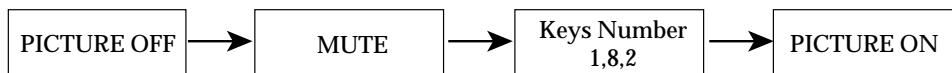
1. Select STANDARD from the menu.
2. Input an 100% White pattern.
3. Enter the "Service Mode". (Refer to "4-8 Service Mode")
4. Warm up the TV set at least for 30 minutes.
5. Input a Toshiba pattern signal.
6. Enter the "Video Adjust1".
 - Adjust "Sub Contrast" so that Y (luminance) becomes $50 \text{ ft} \pm 3$.
 - Use "Red Drive" and "Blue Drive" to adjust High-Light (x : 275, y : 295)
 - Adjust "Sub Bright" so that Y (luminance) becomes $1.5 \text{ ft} \pm 0.3$.
 - Use "Red Cutoff" and "Blue Cutoff" to adjust Low-Light (x : 275, y : 295).
7. Adjust CA-100 so that the final adjustment value can be fixed.
8. Use the Channel Up/Down (▲/▼) buttons to move the cursor on the adjustment modes.
9. Use the Volume +/- buttons to change the adjustment value.

4-8 Factory Adjustment

4-8-1 Service Mode

- To enter the "Service Mode", Press the remote-control keys in this sequence :

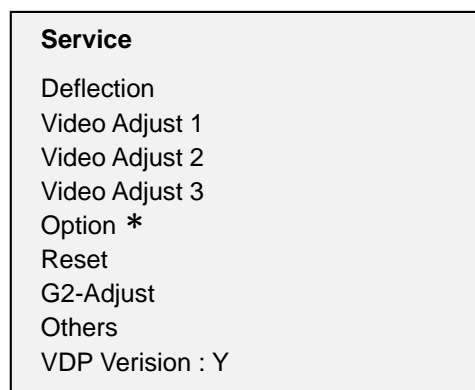
- If you do not have Factory remote-control



- If you have Factory remote-control



- After the Service Mode is entered, the initial screen is as shown in the figure below.



* These hexa digits are check sum value which depends on the MICOM.
If check sum value is changed, the value of E²PROM Data newly initialed.

- Use the Channel Up/Down buttons to move the cursor in the adjustment parameters.

Note 2.

- When CRT, CRT PCB, FBT, E²PROM (sometimes MICOM) is replaced, the adjustment values should be controlled.
- After the Service adjustment is completed, Do not select "Reset" in the service mode menu. (After above procedure is done, power is on initially and the "Plug and Play" will be operated.)

Note 3.

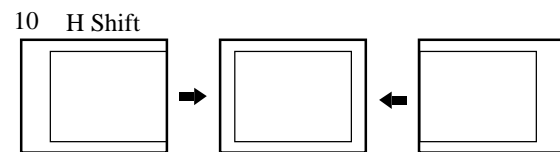
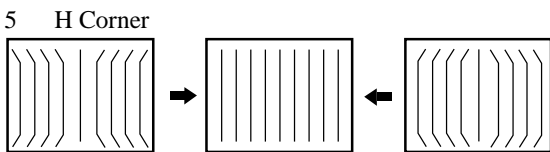
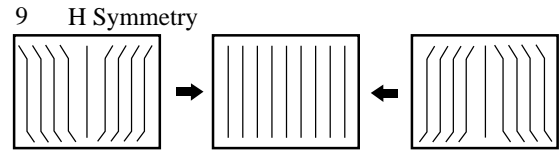
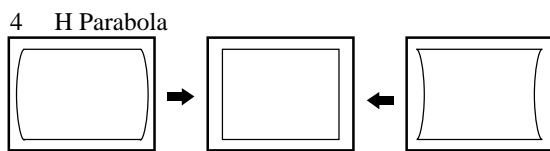
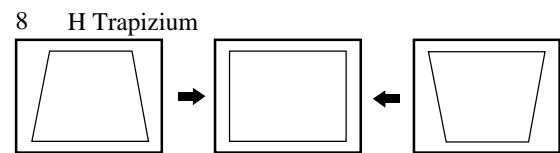
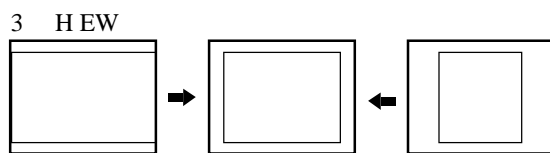
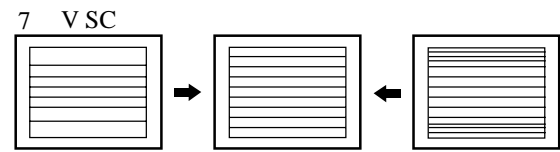
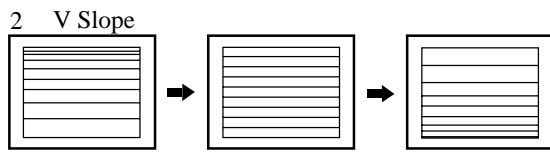
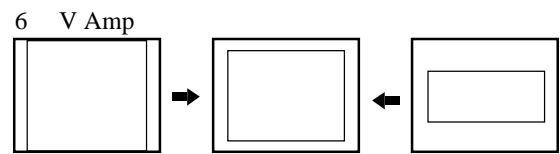
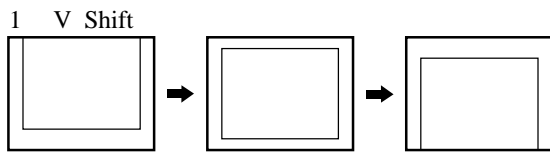
- When E²PROM (IC902) and Micom are replaced at the same time :
 1. After the Factory Mode is entered, check the VDP version in the service list.
 2. Set the version so that the VDP version is identical with the video chip (IC201S)
 3. After all settings are completed, adjust the service value of each mode to its default.
 4. Refer to "Service Manual" for factory value.
 5. Check the version
 - a. Check the VDP version "Y" in the Factory Mode.
 - b. Version Mode : "Y", "B" from IC201S(Video Chip) VDD3130"Y"
VDD3112"B", VDD3108"B"

4-8-2 Memory Data

4-8-2(A) DEFLECTION (GEOMETRIC ADJUSTMENT VALUE)

| DEFLECTION | Initial Value | Adjustment Value | SAM2540 SAM2740 | TXK3276 | CL29A6 | TXK3279 | TXK3676 | TXK3679 |
|----------------|---------------|------------------|--------------------|------------|--------|---------|------------|---------|
| H Bow | 0 | Fixed | 0 | 0 | 0 | 0 | 0 | 0 |
| H Angle | 0 | Adjustment | 0 | 0 | 10 | 0 | 0 | 0 |
| H DSCC | 1 | Fixed | 1 | 1 | 3 | 3 | 1 | 3 |
| V SHIFT | -40 | Adjustment | -18 | <u>-27</u> | -55 | -51 | <u>-27</u> | -51 |
| V AMP | 5 | Adjustment | 18 | <u>-17</u> | 0 | -35 | <u>-17</u> | -35 |
| V SLOPE | -2 | Adjustment | -4 | <u>-3</u> | 0 | -2 | <u>-3</u> | -2 |
| V SC | -7 | Fixed | -13 | -13 | -17 | 0 | -13 | 0 |
| H EW | 64 | Adjustment | 24 | <u>71</u> | 45 | 49 | <u>71</u> | 49 |
| H TRAPEZIUM | -20 | Adjustment | 20 | <u>-50</u> | -50 | -30 | <u>-50</u> | -30 |
| H PARABOLA | -13 | Adjustment | 17 | <u>10</u> | -5 | 18 | <u>10</u> | 18 |
| H SYMMETRY | 13 | Fixed | 13 | 13 | 13 | 13 | 13 | 13 |
| H CORNER | 15 | Adjustment | 69 | <u>-13</u> | 25 | -34 | <u>-13</u> | -34 |
| H SHIFT | 4 | | 13 | <u>20</u> | -20 | -6 | <u>20</u> | -6 |
| PIP CONTRAST | 15 | Fixed | - | - | 15 | 10 | - | 10 |
| PIP TINT | 0 | Fixed | - | - | 0 | 0 | - | 0 |
| PIP PAL V.POS | 12 | Fixed | - | - | 12 | 12 | - | 12 |
| PIP NTSC V.POS | 10 | Fixed | - | - | 10 | 10 | - | 10 |
| PIP H.POS | 15 | Fixed | - | - | 15 | 15 | - | 15 |

4-8-2(B) SCREEN CHANGE (I2C BUS GEOMETRIC ADJUSTMENT)



4-8-2(C) VIDEO ADJUST 1

| VIDEO ADJUST1 | Initial Value | Adjustment Value | SAM2540 SAM2740 | TXK3276 | CL29A6 | TXK3279 | TXK3676 | TXK3679 |
|---------------|---------------|------------------|--------------------|---------|--------|---------|---------|---------|
| RED CUT OFF | 127 | Adjustment | 127 | 127 | 127 | 127 | 127 | 127 |
| GREEN CUT OFF | 127 | Fixed | 127 | 127 | 127 | 127 | 127 | 127 |
| BLUE CUT OFF | 127 | Adjustment | 127 | 127 | 127 | 127 | 127 | 127 |
| RED DRIVE | 127 | Adjustment | 127 | 127 | 127 | 127 | 127 | 127 |
| GREEN DRIVE | 127 | Fixed | 127 | 127 | 127 | 127 | 127 | 127 |
| BLUE DRIVE | 127 | Adjustment | 127 | 127 | 127 | 127 | 127 | 127 |
| SUB BRIGHT | 110 | Adjustment | 100 | 100 | 100 | 100 | 100 | 100 |
| SUB CONTRAST | 52 | Adjustment | 52 | 52 | 52 | 52 | 52 | 52 |
| SUB COLOR | 27 | Fixed | 50 | 50 | 50 | 50 | 50 | 50 |
| SUB TINT | 30 | Fixed | 70 | 70 | 40 | 70 | 70 | 70 |
| BCL THRESHOLD | 62 | Fixed | 58 | 58 | 65 | 60 | 58 | 60 |
| BCLGAIN | 8 | Fixed | 8 | 8 | 8 | 9 | 8 | 9 |
| BCL TIME | 13 | Fixed | 10 | 10 | 6 | 5 | 10 | 5 |
| DVD SUBTint | | Fixed | | | 25 | 25 | | 25 |
| N. YC DELAY | 0 | | 3 | 3 | 3 | 3 | 3 | 3 |

Note 3. Beam Control Limit Characteristic

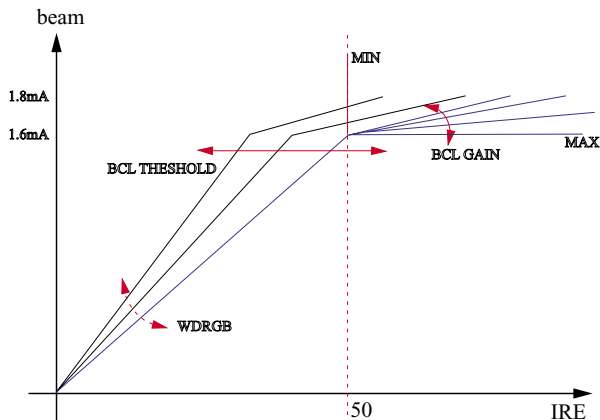


Table 1. YC Delay Adjustment Table

| N.YC Delay | NTSC | |
|------------|------|---|
| | Def. | M |
| Value | 4 | 3 |

✍ The "Def." means that TV is in AV mode.

4-8-2(D) VIDEO 2 ADJUST

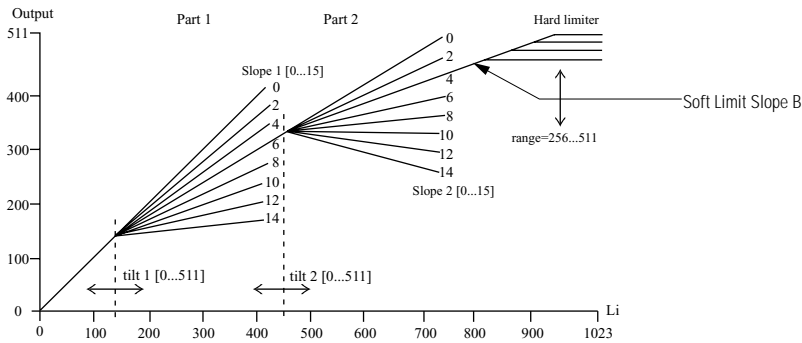
| VIDEO ADJUST2 | Initial Value | Adjustment Value | SAM2540 SAM2740 | TXK3276 | CL29A6 | TXK3279 | TXK3676 | TXK3679 |
|------------------|---------------|------------------|--------------------|-----------|----------|-----------|-----------|-----------|
| B STRETCH-BTHR | 50 | Fixed | 50 | 50 | 50 | 50 | 50 | 50 |
| B DTRECH-BTLT | 8 | Fixed | 8 | 8 | 8 | 8 | 8 | 8 |
| B STERTCH-BAM | 4 | Fixed | 4 | 4 | 4 | 4 | 4 | 4 |
| CORING | 31 | Fixed | 31 | 31 | 31 | 31 | 31 | 31 |
| NTSC COMB FILTER | 1 | | 1 | 1 | 3 | 3 | 1 | 3 |
| RGB BRIGHT | 0 | Fixed | 0 | <u>45</u> | <u>0</u> | <u>45</u> | <u>45</u> | <u>45</u> |
| RG B CONTRAST | 0 | Fixed | 0 | <u>15</u> | <u>0</u> | <u>15</u> | <u>15</u> | <u>15</u> |
| EHT TIME | 0 | Fixed | 0 | 0 | 3 | 8 | 0 | 8 |
| EHT COMPENSATION | 60 | Fixed | 60 | 60 | 60 | 60 | 60 | 60 |
| DTI CORING | | Fixed | 0 | 0 | 0 | 0 | 0 | 0 |
| DTI GAIN | | Fixed | 1 | 1 | 1 | 1 | 1 | 1 |
| DTI BAND | | Fixed | 1 | 1 | 1 | 1 | 1 | 1 |
| EHT Offset | 0 | Fixed | - | - | 0 | 0 | - | 0 |
| EHT Horizontal | 0 | Fixed | - | - | 0 | 0 | - | 0 |

✍ Coring : The Value of Center Frequency for the active bandwidth.

4-8-2(E) VIDEO 3 ADJUST

| VIDEO ADJUST3 | Initial Value | Adjustment Value | SAM2540 SAM2740 | TXK3276 | CL29A6 | TXK3279 | TXK3676 | TXK3679 |
|--------------------|---------------|------------------|--------------------|-----------|-----------|-----------|-----------|-----------|
| PEAK Threshold | 255 | Fixed | 255 | 255 | 255 | 255 | 255 | 255 |
| SOFT LIMIT SLOPE B | 4 | Fixed | 4 | 4 | 4 | 4 | 4 | 4 |
| HARD LIMIT | 255 | Fixed | 255 | 255 | 255 | 255 | 255 | 255 |
| MODULATION ON/OFF | 0 | Fixed | 0 | 0 | 0 | 0 | 0 | 0 |
| A TILT POINT | 0 | Fixed | 0 | 0 | 0 | 0 | 0 | 0 |
| B TILT POINT | 0 | Fixed | 114 | 114 | 114 | 114 | 114 | 114 |
| GAIN 1 (VIDEO) | | Fixed | 11 | <u>31</u> | <u>31</u> | <u>31</u> | <u>31</u> | <u>31</u> |
| DELAY 1 (VIDEO) | | Fixed | 3 | 3 | 3 | 3 | 3 | 3 |
| PEAK VIDEO REF | | Fixed | 0 | 0 | 0 | 0 | 0 | 0 |
| PEAK VIDEO GAIN | | Fixed | 0 | 0 | 0 | 0 | 0 | 0 |
| LIMIT VALUE | | Fixed | 74 | 74 | 127 | 74 | 74 | 74 |
| VELOCITY DELAY | | Fixed | 7 | 7 | 7 | 7 | 7 | 7 |
| VELOCITY CORING | | Fixed | 10 | 10 | 2 | 10 | 10 | 10 |
| ACC-REF | 20 | Fixed | 20 | 20 | 20 | 20 | 20 | 20 |
| ACCR | 21 | Fixed | 21 | 21 | 21 | 21 | 21 | 21 |

Note 5. Soft Limit & Hard Limit



“Soft Limit” is that Limiting the peak white without feed-back, but “Peak Limit” is that with feed-back for white peak level

4-8-2(F) OPTION

| | Model | CL29A6 | SAM2540 SAM2740 | TXK3276 TXK3676 | TXK3279 TXK3679 | TXK3279 TXK3679 |
|-------------|---------------|---------------|--------------------|--------------------|--------------------|--------------------|
| No. | Description | Initial Value | Initial Value | Initial Value | Initial Value | Initial Value |
| 1 | SYSTEM | CN(EN+SP+PO) | CT(EN+SP+FR) | CT(EN+SP+FR) | CT(EN+SP+FR) | CT(EN+SP+FR) |
| 2 | ACS(CT, CTA) | OFF | ON | ON | ON | OFF |
| 3 | SOUND | VIRTUAL DOLBY | STEREO | STEREO | VIRTUAL DOLBY | VIRTUAL DOLBY |
| 4 | CRT | 4:3 | 4:3 | 4:3 | 4:3 | 4:3 |
| 5 | AV MODE(V,Y) | 2RCA + S + D | 1RCA | 2RCA +S | 2RCA +S+D | 2RCA +S+D |
| 6 | AUDIO MUTE | ON | ON | ON | ON | ON |
| 7 | X-RAY | OFF | ON | ON | ON | ON |
| 8 | VIDEO-MUTE | ON | OFF | OFF | OFF | ON |
| 9 | TILT CONTROL | ON | OFF | OFF | OFF | ON |
| 10 | GAME+DEMO(CN) | ON | OFF | OFF | OFF | OFF |
| 11 | LNA | ON | OFF | OFF | OFF | ON |
| 12 | PIP | 2-TUNER | OFF | OFF | 2-TUNER | 2-TUNER |
| 13 | VCHIP(CT,CTA) | OFF | ON | ON | ON | OFF |
| 14 | BLUE SCREEN | ON | OFF | OFF | OFF | ON |
| 15 | AKB | ON | OFF | OFF | OFF | ON |
| 16 | AUTO POWER ON | OFF | OFF | OFF | OFF | OFF |
| 17 | HOTEL | OFF | - | - | - | OFF |
| Option Byte | | 04 DE 12 1C | 01 01 80 09 | 01 01 88 09 | 04 01 92 09 | |

Note 6.

| | |
|---------|----------------------|
| V-DOLBY | MSP3451G, MSP3440GB6 |
|---------|----------------------|

4-8-2(G) OTHERS

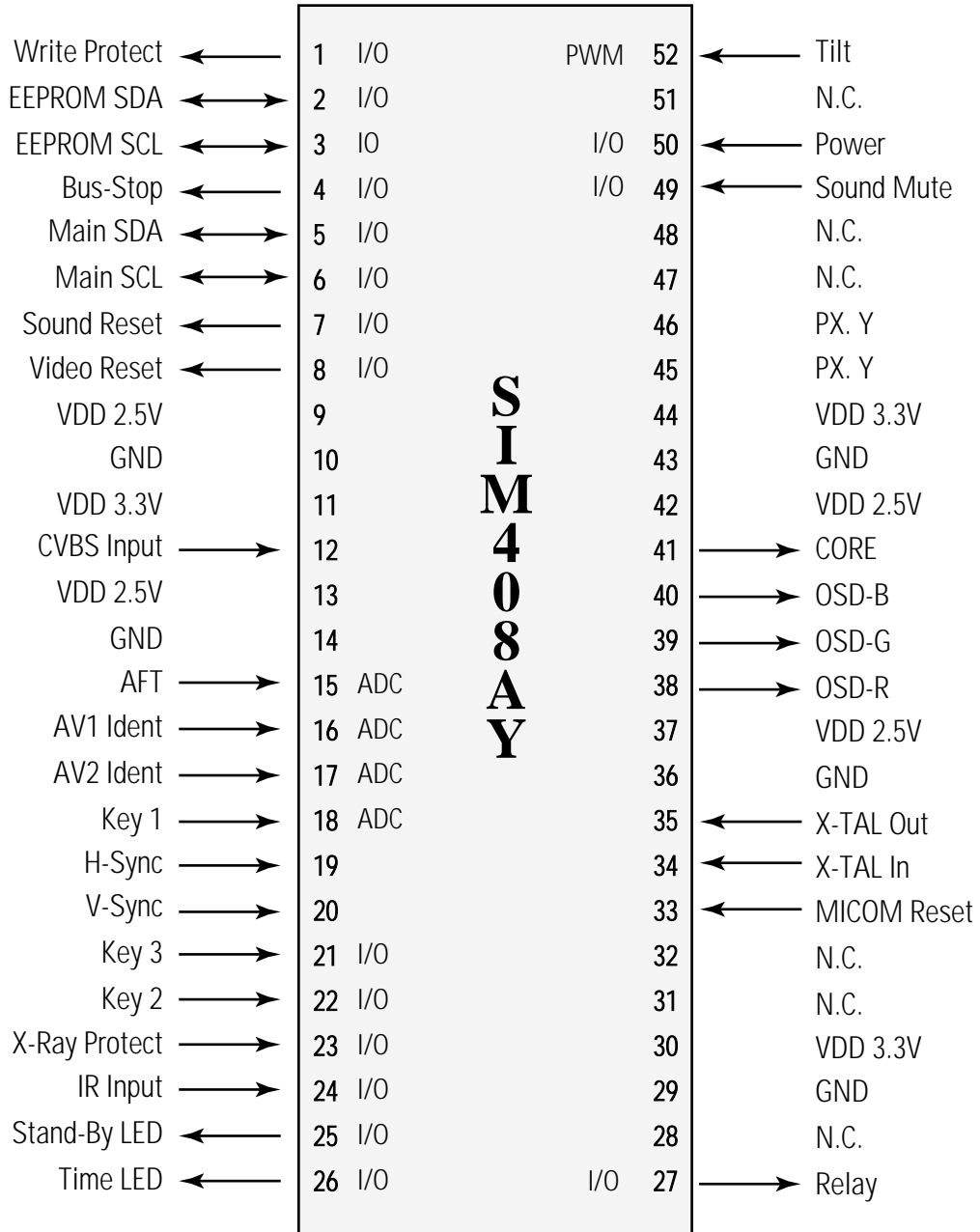
| OTHERS | Initial Value | Adjustment Value | SAM2540 SAM2740 | TXK3276 | CL29A6 | TXK3279 | TXK3676 | TXK3679 |
|------------------|---------------|------------------|--------------------|------------|-----------|------------|------------|------------|
| VSU | 108 | Fixed | 105 | <u>105</u> | <u>98</u> | <u>108</u> | <u>105</u> | <u>108</u> |
| VSU2 | | | 0 | 0 | 0 | 0 | 0 | 0 |
| H QEW | 0 | Fixed | 0 | 0 | 0 | 0 | 0 | 0 |
| H ZOOM Parabola | 8 | Fixed | 8 | 8 | 12 | 12 | 0 | 0 |
| H 16:9 Parabola | -10 | Fixed | -18 | -18 | -19 | -19 | 0 | 0 |
| DVD Tint Control | 0 | Fixed | 0 | 0 | 1 | 1 | 0 | 0 |
| PAL V SHIFT | | Fixed | -29 | -29 | -66 | -62 | -29 | -20 |
| PAL H SHIFT | | Fixed | 18 | 18 | -15 | -1 | 18 | -3 |
| Melody Volume | 5 | Fixed | 7 | 7 | 7 | 7 | 7 | 7 |
| PIP BRIGHT | | Fixed | | | 3 | 5 | | 5 |
| PIP COLOR | | Fixed | | | 7 | 7 | | 7 |

4-8-2(G) G2 ADJUST

| G2 Adjust | Initial Value | Adjustment Value | SAM2540 SAM2740 | TXK3276 | CL29A6 | TXK3279 | TXK3676 | TXK3679 |
|---------------|---------------|------------------|--------------------|-------------|-------------|-------------|-------------|-------------|
| MRC R G B | | | | | | | | |
| MRWDG | | | | | | | | |
| IBRM | -10 | FIX | 200 | <u>195</u> | <u>200</u> | <u>195</u> | <u>195</u> | <u>195</u> |
| WDRV | 0 | FIX | 35 | 35 | 35 | 35 | 35 | 35 |
| CDL | | FIX | 150 | <u>170</u> | <u>200</u> | <u>170</u> | <u>170</u> | <u>170</u> |
| COL | | FIX | 130 | 130 | 120 | 130 | 130 | 130 |
| VDP Version | | | B | B | Y | Y | B | Y |
| WHITE BALANCE | | H | 275,295,35 | 275,295,28 | 275,295,50 | 275,295,28 | 275,295,28 | 275,295,28 |
| | | L | 275,295,1.2 | 275,295,1.0 | 275,295,1.5 | 275,295,1.0 | 275,295,1.0 | 275,295,1.0 |

4-9 MICOM

4-9-1 Pin Layout



4-9-2 Pin Assignment Specification

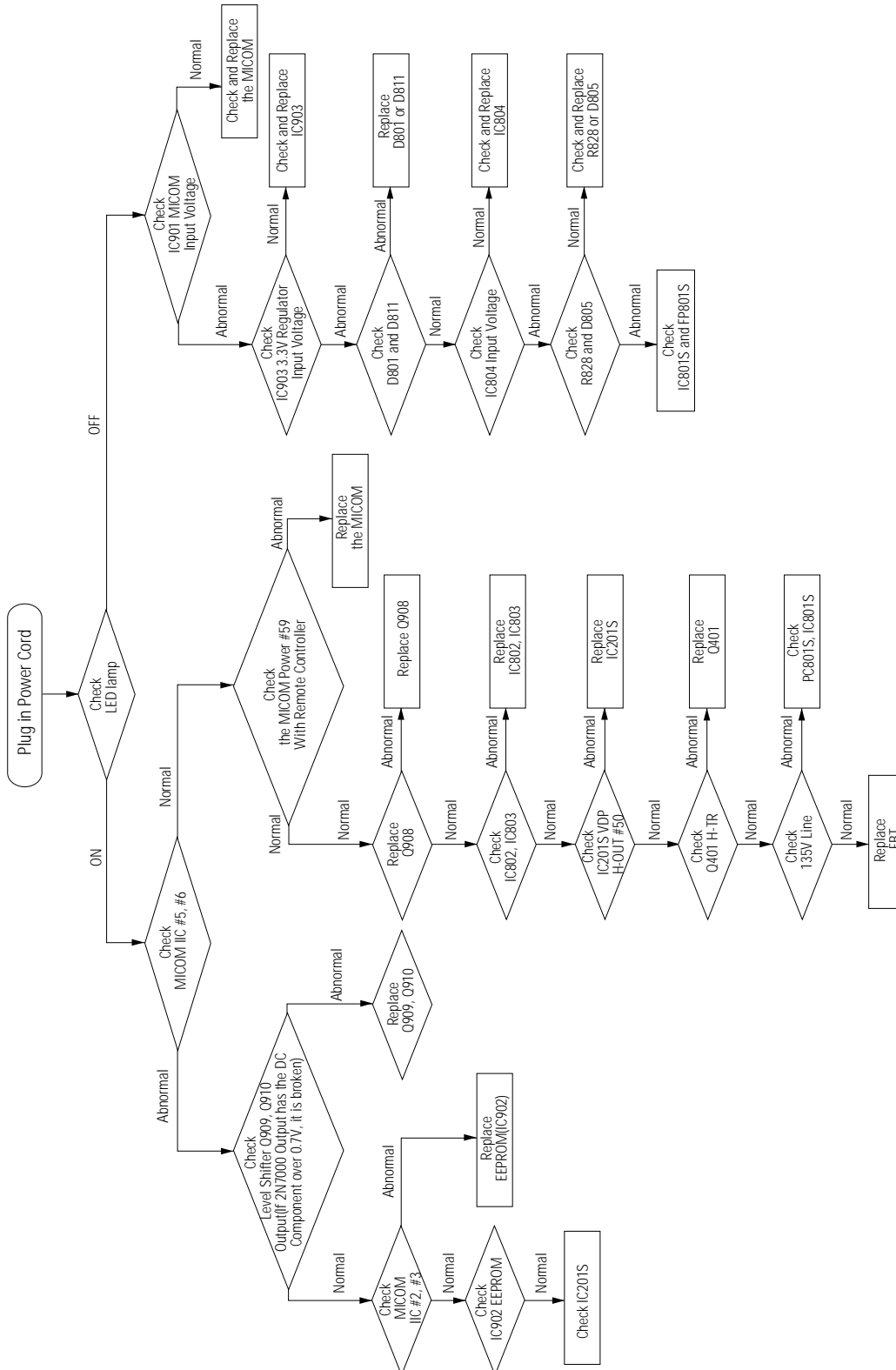
| PIN NO | FUNCTION | ASSIGN | IN/OUT | ACTIVE H/L | DESCRIPTION |
|--------|----------|---------------|--------|------------|---------------------------------|
| 1 | I/O | Write Protect | Out | Low | EEPROM Write Protection |
| 2 | I/O | ROM SDA | I/O | | EEPROM Serial Data Line |
| 3 | I/O | ROM SCL | I/O | | EEPROM Serial Clock Line |
| 4 | I/O | Bus Stop | In | Low | Disable Micom IIC |
| 5 | I/O | Main SDA | I/O | | Peripheral IC Serial Data Line |
| 6 | I/O | Main SCL | I/O | Low | Peripheral IC Serial Clock Line |
| 7 | I/O | Sound Reset | Out | Low | MSP IC Initial Control |
| 8 | I/O | Video Reset | Out | | VDP IC Initial Control |
| 9 | Vdd | VDD 2.5V | | | |
| 10 | GND | | | | |
| 11 | Vdd | VDD 3.3V | | | |
| 12 | CVBS | CVBS Input | In | | TTX CVBS Input |
| 13 | Vdd | VDD 2.5V | | | Analog B+ |
| 14 | GND | | | | Analog Ground |
| 15 | ADC | AFT | In | | Auto Fine Tuning Control |
| 16 | ADC | AV1-ID | In | | AV1 Ident |
| 17 | ADC | AV2-ID | In | | AV2 Ident |
| 18 | ADC | Key1 | In | | Key1 Input |
| 19 | HS | H-Sync | In | | Horizontal Sync Input |
| 20 | VS | V-Sync | In | | Vertical Sync Input |
| 21 | I/O | Key3 | In | | Key3 Input |
| 22 | I/O | Key2 | In | | Key2 Input |
| 23 | I/O | X-Ray | In | | X-Ray Protection |
| 24 | I/O | IR-In | In | | Remocon Signal Input |
| 25 | I/O | STD-LED | Out | | LED Drive Output(Red) |
| 26 | I/O | TIM-LED | Out | | LED Drive Output(Green) |

4-9-2 Pin Assignment Specification (Continued)

| PIN NO | FUNCTION | ASSIGN | IN/OUT | ACTIVE H/L | DESCRIPTION |
|--------|----------|-----------|--------|------------|--|
| 27 | I/O | Relay | Out | Low | Activate Degaussing Coil |
| 28 | N.C. | | | | Not Used (Programmed Gound Level) |
| 29 | GND | | | | Analog Ground |
| 30 | Vdd | VDD 3.3V | | | Not Used (Programmed Gound Level) |
| 31 | N.C. | | | | Not Used (Programmed Gound Level) |
| 32 | N.C. | | | | Micom Hardware Reset |
| 33 | Reset | Reset | In | Low | Crystal Oscillation Input |
| 34 | X-In | X-TAL In | In | 6MHz | Crystal Oscillation Output |
| 35 | X-Out | X-TAL Out | Out | 6MHz | Analog Ground |
| 36 | GND | | | | Analog B+ |
| 37 | Vdd | VDD 2.5V | | | OSD/Caption Output (Red) |
| 38 | R | OSD-R | Out | | OSD/Caption Output (Green) |
| 39 | G | OSD-G | Out | | OSD/Caption Output (Blue) |
| 40 | B | OSD-B | Out | | Fast Blank/Half Contrast Output |
| 41 | COR | CORE | Out | | |
| 42 | Vdd | VDD 2.5V | | | |
| 43 | GND | | | | |
| 44 | Vdd | VDD 3.3V | | | |
| 45 | I/O | PX.Y | In | | When The Caption Function Adopted, Used. |
| 46 | I/O | PX.Y | Out | | |
| 47 | N.C. | | | | Not Used (Programmed Gound Level) |
| 48 | N.C. | | | | |
| 49 | I/O | S-Mute | Out | High | Sound Amp Mute |
| 50 | I/O | Power | Out | Low | Picture On/Off Control |
| 51 | N.C. | | | | Not Used (Programmed Gound Level) |
| 52 | I/O | Tilt | Out | PWM | Tilt Control Output |

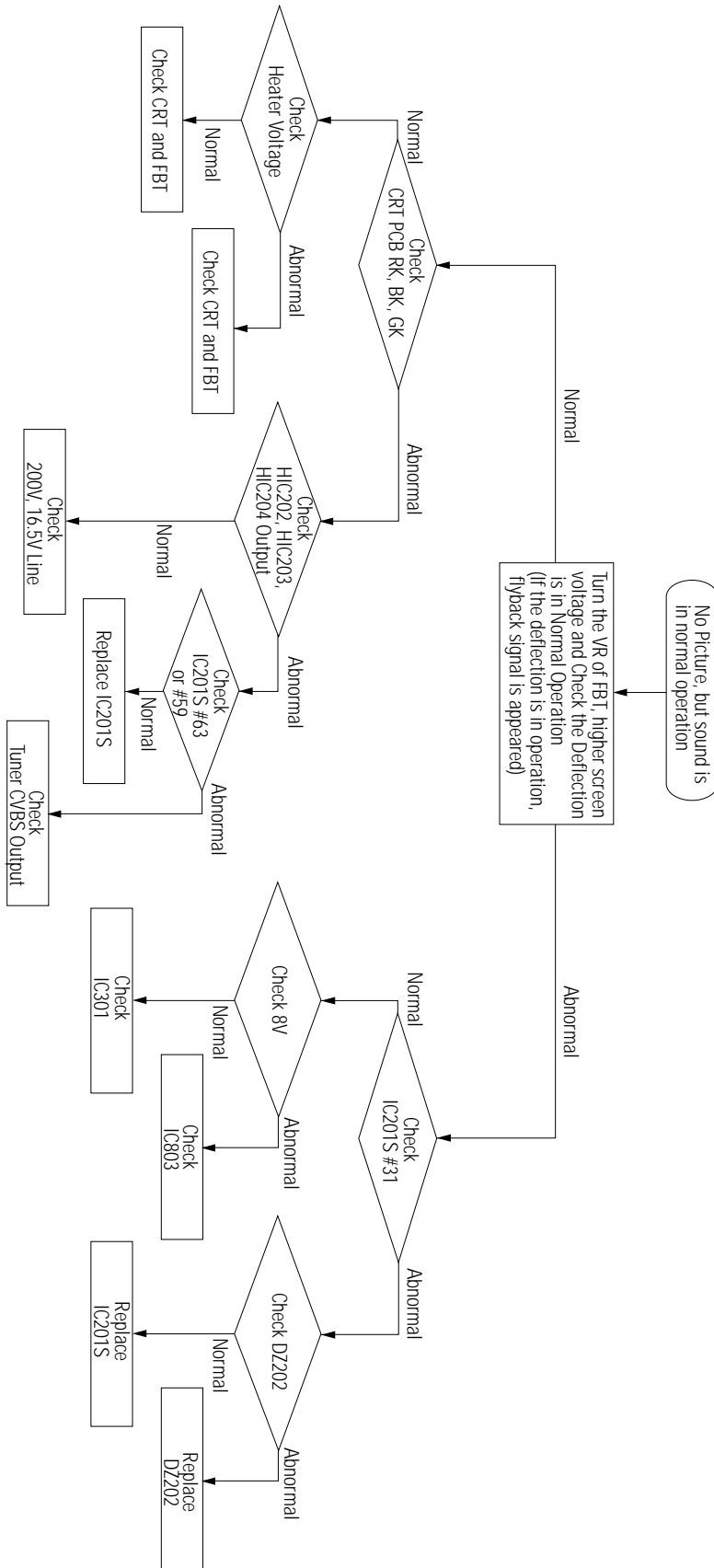
5. Troubleshooting

5-1 No Power

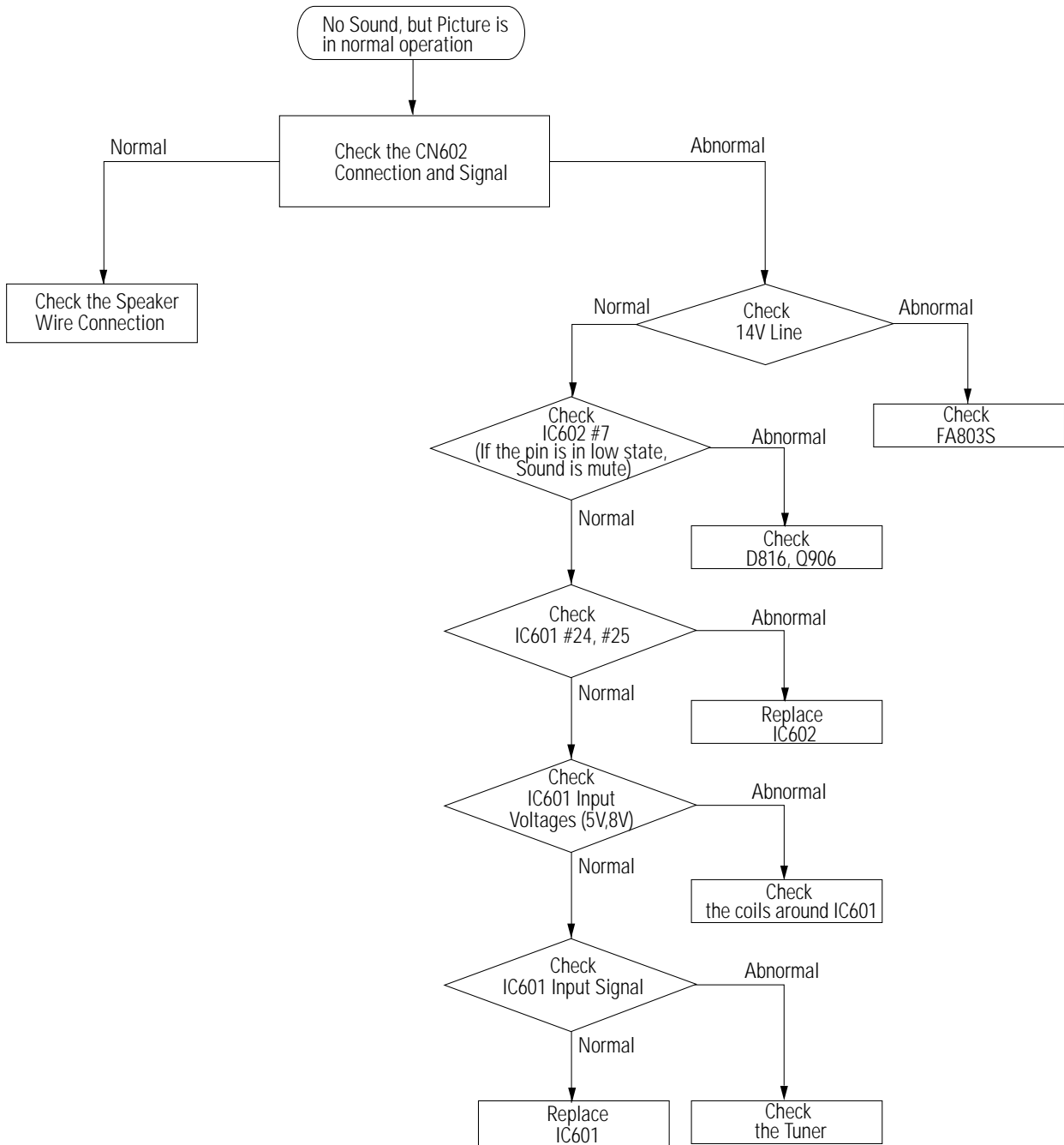


Note : When you check whether any component is normal, you must let the output pin be open in order not to be affected by the side of output.

5-2 No Picture



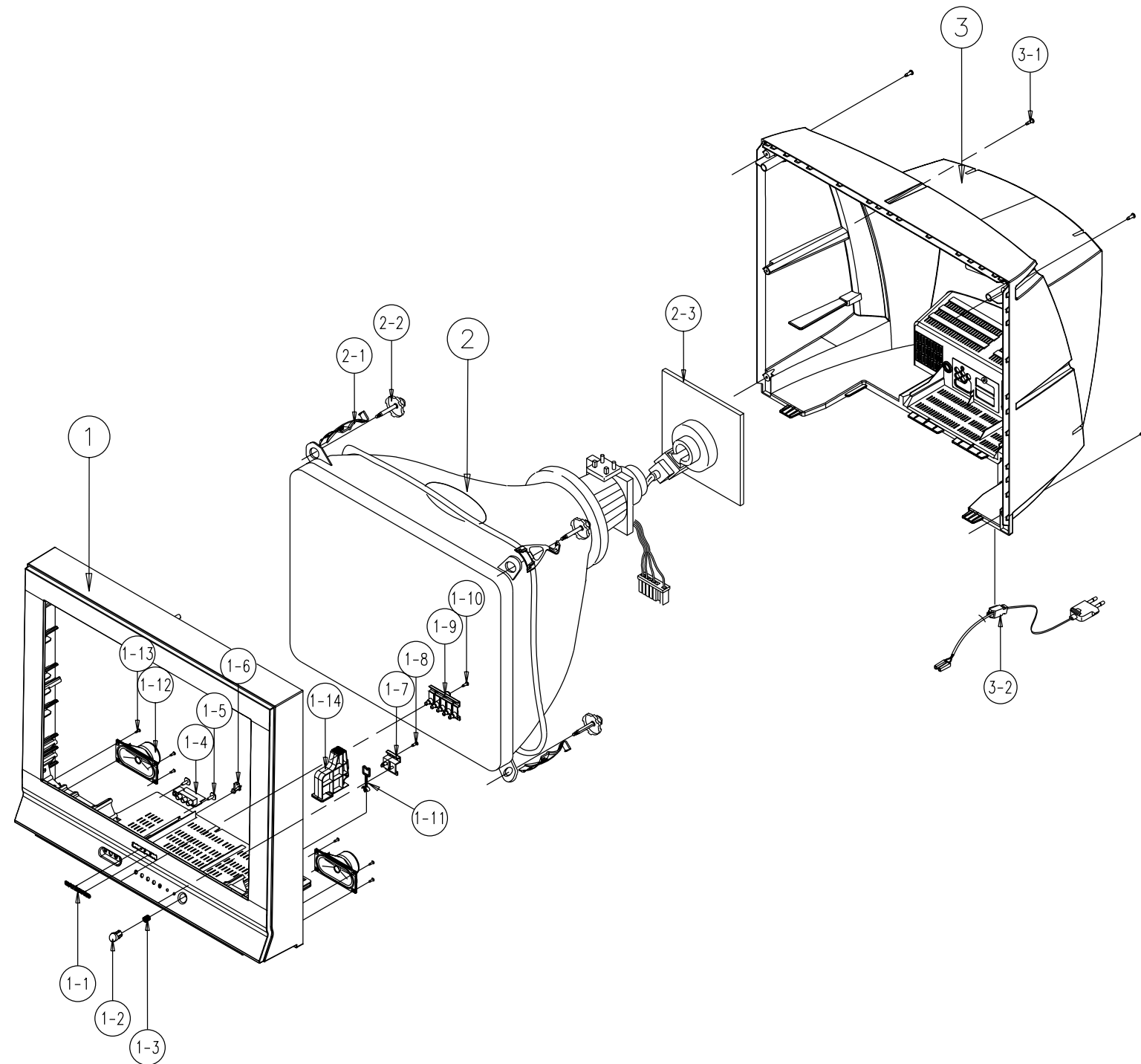
5-3 No Sound



MEMO

6. Exploded View & Parts List

6-1 TXM2790FX/XAA



| No | Code No | Description;Specification | Q'ty | Remark |
|------|-------------|---|------|--------|
| 1 | AA64-02959A | CABINET-FRONT;29K7,HIPS,VO,BLK,DG703P,SE | 1 | F/C |
| 1-1 | AA64-70117B | BADGE-BRAND;AL,SS,R2000,25,SILVER CT-633 | 1 | BADGE |
| 1-2 | AA64-02544A | KNOB-POWER;29K7,ABS,HB,G3676 | 1 | KP |
| 1-3 | AA61-60003J | SPRING-CS;-,-,SUS304,0.5,OD6,H | 1 | SPRING |
| 1-4 | AA61-40113A | STOPPER-PCB;-,-,ABS,HB,NTR. | 1 | STOPPE |
| 1-5 | 6006-001095 | SCREW-ASS'Y TAPT;WP,BH,+ ,M4,L12,ZPC(YEL) | 2 | AV+CF |
| 1-6 | AA96-00960A | ASSY-PCB;A/V FRONT;KS3A,29 | 1 | A/A-V |
| 1-7 | AA64-02546A | KNOB-CONTROL;29K7,ABS,HB,G3676 | 1 | KC |
| 1-8 | 6003-001019 | SCREW-TAPTITE;RH,+ ,B,M4,L12,ZPC(BLK),SWR | 1 | KC+CF |
| 1-9 | AA64-02548A | WINDOW-RMC,LED;29K7,PC,CLR | 1 | WR |
| 1-10 | 6003-001019 | SCREW-TAPTITE;RH,+ ,B,M4,L12,ZPC(BLK),SWR | 1 | WR+CF |
| 1-11 | AA65-30105A | CLAMP-WIRE;NYLON 66N,VO,NTR,15MM | 1 | CWFCL |
| 1-12 | 3001-000274 | SPEAKER-GENERAL;5W80HM100X50MM | 2 | SPK |
| 1-13 | 6003-001026 | SCREW-TAPTITE;RH,+ ,B,M4,L15,ZPC(BLK),SWR | 8 | SPK+CF |
| 2 | AA03-00360A | CRT COLOR;A68QCP891X100(M),+380MG,1.11MH | 1 | CRT |
| 2-1 | AA65-30113A | CLAMP-D,COIL;NYLON66,V2,BLK,TVI25-29,- | 4 | CDCOIL |
| 2-2 | AA60-10050V | SCREW-ASSY;WC,HH,+ ,M6,L30,SWRCH18A,ZPC(S | 4 | CRT+CF |
| 3 | AA64-02543A | CABINET-BACK;29K7,HIPS,VO,BLK | 1 | B/C |
| 3-1 | 6003-001026 | SCREW-TAPTITE;RH,+ ,B,M4,L15,ZPC(BLK),SWR | 7 | CB+CF |
| 3-2 | AA96-00695A | ASSY-POWER,CORD;EP2/YES,H/C450,ME301P | 1 | PWR/AC |

Electrical Parts List

| Loc. No. | Code No. | Description ; Specification | Remark | Loc. No. | Code No. | Description ; Specification | Remark |
|----------|----------|-----------------------------|---|----------|----------|-----------------------------|--|
| 4 | DZ802 | 0403-000508 | DIODE-ZENER:MTZJ5.6B,5.6V,5.45-5.73V,500 | 4 | R605 | 2001-000281 | R-CARBON:100OHM,5%,1/8W,AA,TP |
| 4 | DZ806 | 0403-000508 | DIODE-ZENER:MTZJ5.6B,5.6V,5.45-5.73V,500 | 4 | R612 | 2001-000281 | R-CARBON:100OHM,5%,1/8W,AA,TP |
| 4 | DZ901 | 0403-000508 | DIODE-ZENER:MTZJ5.6B,5.6V,5.45-5.73V,500 | 4 | R613 | 2001-000281 | R-CARBON:100OHM,5%,1/8W,AA,TP |
| 4 | DZ902 | 0403-000508 | DIODE-ZENER:MTZJ5.6B,5.6V,5.45-5.73V,500 | 4 | R627 | 2001-000281 | R-CARBON:100OHM,5%,1/8W,AA,TP |
| 4 | DZ905 | 0403-000508 | DIODE-ZENER:MTZJ5.6B,5.6V,5.45-5.73V,500 | 4 | R628 | 2001-000281 | R-CARBON:100OHM,5%,1/8W,AA,TP |
| 4 | DZ906 | 0403-000508 | DIODE-ZENER:MTZJ5.6B,5.6V,5.45-5.73V,500 | 4 | R723 | 2001-000281 | R-CARBON:100OHM,5%,1/8W,AA,TP |
| 4 | DZ907 | 0403-000508 | DIODE-ZENER:MTZJ5.6B,5.6V,5.45-5.73V,500 | 4 | R907 | 2001-000281 | R-CARBON:100OHM,5%,1/8W,AA,TP |
| 4 | DZ908 | 0403-000508 | DIODE-ZENER:MTZJ5.6B,5.6V,5.45-5.73V,500 | 4 | R909 | 2001-000281 | R-CARBON:100OHM,5%,1/8W,AA,TP |
| 4 | DZ909 | 0403-000508 | DIODE-ZENER:MTZJ5.6B,5.6V,5.45-5.73V,500 | 4 | R925 | 2001-000281 | R-CARBON:100OHM,5%,1/8W,AA,TP |
| 4 | DZ910 | 0403-000508 | DIODE-ZENER:MTZJ5.6B,5.6V,5.45-5.73V,500 | 4 | R940 | 2001-000281 | R-CARBON:100OHM,5%,1/8W,AA,TP |
| 4 | DZ306 | 0403-000700 | DIODE-ZENER:TZP33A,33V,31-35V, | 4 | R941 | 2001-000281 | R-CARBON:100OHM,5%,1/8W,AA,TP |
| 4 | DZ804 | 0403-000700 | DIODE-ZENER:TZP33A,33V,31-35V, | 4 | R942 | 2001-000281 | R-CARBON:100OHM,5%,1/8W,AA,TP |
| 4 | DZ602 | 0403-000720 | DIODE-ZENER:MTZJ9.1B,9.1V,8.57-9.01V,500 | 4 | R947 | 2001-000281 | R-CARBON:100OHM,5%,1/8W,AA,TP |
| 4 | DZ803 | 0403-001167 | DIODE-ZENER:MTZJ30D,30V,29.02-30.51V,500 | 4 | R202 | 2001-000290 | R-CARBON:10KOHM,5%,1/8W,AA,TP |
| 4 | DZ305 | 0403-001221 | DIODE-ZENER:UZ39BSB,35.36-37.19V,500mW,DO | 4 | R205 | 2001-000290 | R-CARBON:10KOHM,5%,1/8W,AA,TP |
| 4 | DZ203 | 0403-001321 | DIODE-ZENER:MTZJ6.8C,6.66-7.01V,500mW,DO | 4 | R206 | 2001-000290 | R-CARBON:10KOHM,5%,1/8W,AA,TP |
| △ | DZR01S | 0403-001321 | DIODE-ZENER:MTZJ6.8C,6.66-7.01V,500mW,DO | 4 | R211 | 2001-000290 | R-CARBON:10KOHM,5%,1/8W,AA,TP |
| 4 | DZ801 | 0403-001322 | DIODE-ZENER:MTZJ8.2B,7.78-8.19V,500mW,DO | 4 | R243 | 2001-000290 | R-CARBON:10KOHM,5%,1/8W,AA,TP |
| 4 | DZ808 | 0403-001322 | DIODE-ZENER:MTZJ8.2B,7.78-8.19V,500mW,DO | 4 | R245 | 2001-000290 | R-CARBON:10KOHM,5%,1/8W,AA,TP |
| 4 | DZ401 | 0403-001325 | DIODE-ZENER:MTZJ15C,14.35-15.09V,500mW,DO | 4 | R246 | 2001-000290 | R-CARBON:10KOHM,5%,1/8W,AA,TP |
| 4 | DZ302 | 0403-001329 | DIODE-ZENER:MTZJ24B,22.61-23.77V,500mW, | 4 | R309 | 2001-000290 | R-CARBON:10KOHM,5%,1/8W,AA,TP |
| 4 | DZ303 | 0403-001329 | DIODE-ZENER:MTZJ24B,22.61-23.77V,500mW, | 4 | R310 | 2001-000290 | R-CARBON:10KOHM,5%,1/8W,AA,TP |
| 4 | DZ304 | 0403-001329 | DIODE-ZENER:MTZJ24B,22.61-23.77V,500mW, | 4 | R601 | 2001-000290 | R-CARBON:10KOHM,5%,1/8W,AA,TP |
| 4 | D203 | 0404-000156 | DIODE-SCHOTTKY:RB441Q,10V,100MA,DO-34,TP | 4 | R602 | 2001-000290 | R-CARBON:10KOHM,5%,1/8W,AA,TP |
| 4 | D204 | 0404-000156 | DIODE-SCHOTTKY:RB441Q,10V,100MA,DO-34,TP | 4 | R606 | 2001-000290 | R-CARBON:10KOHM,5%,1/8W,AA,TP |
| 4 | D205 | 0404-000156 | DIODE-SCHOTTKY:RB441Q,10V,100MA,DO-34,TP | 4 | R609 | 2001-000290 | R-CARBON:10KOHM,5%,1/8W,AA,TP |
| 4 | D206 | 0404-000156 | DIODE-SCHOTTKY:RB441Q,10V,100MA,DO-34,TP | 4 | R620 | 2001-000290 | R-CARBON:10KOHM,5%,1/8W,AA,TP |
| 4 | D901 | 0404-000156 | DIODE-SCHOTTKY:RB441Q,10V,100MA,DO-34,TP | 4 | R629 | 2001-000290 | R-CARBON:10KOHM,5%,1/8W,AA,TP |
| 4 | D902 | 0404-000156 | DIODE-SCHOTTKY:RB441Q,10V,100MA,DO-34,TP | 4 | R715 | 2001-000290 | R-CARBON:10KOHM,5%,1/8W,AA,TP |
| 4 | D903 | 0404-000156 | DIODE-SCHOTTKY:RB441Q,10V,100MA,DO-34,TP | 4 | R716 | 2001-000290 | R-CARBON:10KOHM,5%,1/8W,AA,TP |
| 4 | D904 | 0404-000156 | DIODE-SCHOTTKY:RB441Q,10V,100MA,DO-34,TP | 4 | R935 | 2001-000290 | R-CARBON:10KOHM,5%,1/8W,AA,TP |
| △ | QR01S | 0501-000283 | TRANSISTOR:KSA539-Y(TAPG)/YTAM | 4 | R952 | 2001-000290 | R-CARBON:10KOHM,5%,1/8W,AA,TP |
| 4 | Q802 | 0501-000369 | TRANSISTOR:KSC2331-Y(TAPG) | △ | RR07S | 2001-000290 | R-CARBON:10KOHM,5%,1/8W,AA,TP |
| 4 | Q201 | 0501-000389 | TRANSISTOR:KSC815-Y(TAPG)/YTAM | △ | RR10S | 2001-000290 | R-CARBON:10KOHM,5%,1/8W,AA,TP |
| 4 | Q202 | 0501-000389 | TRANSISTOR:KSC815-Y(TAPG)/YTAM | 4 | R208 | 2001-000405 | R-CARBON:180OHM,5%,1/8W,AA,TP |
| 4 | Q203 | 0501-000389 | TRANSISTOR:KSC815-Y(TAPG)/YTAM | 4 | R214 | 2001-000411 | R-CARBON:180OHM,5%,1/8W,AA,TP |
| 4 | Q204 | 0501-000389 | TRANSISTOR:KSC815-Y(TAPG)/YTAM | 4 | R209 | 2001-000429 | R-CARBON:1Kohm,5%,1/8W,AA,TP,1.8x3.2mm |
| 4 | Q601 | 0501-000389 | TRANSISTOR:KSC815-Y(TAPG)/YTAM | 4 | R216 | 2001-000429 | R-CARBON:1Kohm,5%,1/8W,AA,TP,1.8x3.2mm |
| 4 | Q901 | 0501-000389 | TRANSISTOR:KSC815-Y(TAPG)/YTAM | 4 | R234 | 2001-000429 | R-CARBON:1Kohm,5%,1/8W,AA,TP,1.8x3.2mm |
| 4 | Q902 | 0501-000389 | TRANSISTOR:KSC815-Y(TAPG)/YTAM | 4 | R235 | 2001-000429 | R-CARBON:1Kohm,5%,1/8W,AA,TP,1.8x3.2mm |
| 4 | Q903 | 0501-000389 | TRANSISTOR:KSC815-Y(TAPG)/YTAM | 4 | R252 | 2001-000429 | R-CARBON:1Kohm,5%,1/8W,AA,TP,1.8x3.2mm |
| 4 | Q904 | 0501-000389 | TRANSISTOR:KSC815-Y(TAPG)/YTAM | 4 | R603 | 2001-000429 | R-CARBON:1Kohm,5%,1/8W,AA,TP,1.8x3.2mm |
| 4 | Q905 | 0501-000389 | TRANSISTOR:KSC815-Y(TAPG)/YTAM | 4 | R607 | 2001-000429 | R-CARBON:1Kohm,5%,1/8W,AA,TP,1.8x3.2mm |
| 4 | Q906 | 0501-000389 | TRANSISTOR:KSC815-Y(TAPG)/YTAM | 4 | R608 | 2001-000429 | R-CARBON:1Kohm,5%,1/8W,AA,TP,1.8x3.2mm |
| 4 | Q907 | 0501-000389 | TRANSISTOR:KSC815-Y(TAPG)/YTAM | 4 | R817 | 2001-000429 | R-CARBON:1Kohm,5%,1/8W,AA,TP,1.8x3.2mm |
| 4 | Q908 | 0501-000389 | TRANSISTOR:KSC815-Y(TAPG)/YTAM | 4 | R902 | 2001-000429 | R-CARBON:1Kohm,5%,1/8W,AA,TP,1.8x3.2mm |
| 4 | Q911 | 0501-000389 | TRANSISTOR:KSC815-Y(TAPG)/YTAM | 4 | R910 | 2001-000429 | R-CARBON:1Kohm,5%,1/8W,AA,TP,1.8x3.2mm |
| △ | QR02S | 0501-000389 | TRANSISTOR:KSC815-Y(TAPG)/YTAM | 4 | R911 | 2001-000429 | R-CARBON:1Kohm,5%,1/8W,AA,TP,1.8x3.2mm |
| 4 | DZ805 | 1203-001217 | IC-POST,ADJUSTREG:431,TO-92,3P,4.58MIL,P | 4 | R912 | 2001-000429 | R-CARBON:1Kohm,5%,1/8W,AA,TP,1.8x3.2mm |
| 4 | IC904 | 1203-001943 | IC-VOL.DETECTOR:7025,TO-92,3P,PLASTIC | 4 | R914 | 2001-000429 | R-CARBON:1Kohm,5%,1/8W,AA,TP,1.8x3.2mm |
| △ | VP801S | 1405-000152 | VARIATOR:560V,2500A,14X8.5MM,T | 4 | R924 | 2001-000429 | R-CARBON:1Kohm,5%,1/8W,AA,TP,1.8x3.2mm |
| △ | VX801S | 1405-000152 | VARIATOR:560V,2500A,14X8.5MM,T | 4 | R929 | 2001-000429 | R-CARBON:1Kohm,5%,1/8W,AA,TP,1.8x3.2mm |
| 4 | R223 | 2001-000003 | R-CARBON:330OHM,5%,1/8W,AA,TP | 4 | R930 | 2001-000429 | R-CARBON:1Kohm,5%,1/8W,AA,TP,1.8x3.2mm |
| 4 | R248 | 2001-000003 | R-CARBON:330OHM,5%,1/8W,AA,TP | 4 | R936 | 2001-000429 | R-CARBON:1Kohm,5%,1/8W,AA,TP,1.8x3.2mm |
| 4 | R249 | 2001-000003 | R-CARBON:330OHM,5%,1/8W,AA,TP | △ | RR08S | 2001-000429 | R-CARBON:1Kohm,5%,1/8W,AA,TP,1.8x3.2mm |
| 4 | R250 | 2001-000003 | R-CARBON:330OHM,5%,1/8W,AA,TP | 4 | R236 | 2001-000515 | R-CARBON:220OHM,5%,1/8W,AA,TP |
| 4 | R934 | 2001-000003 | R-CARBON:330OHM,5%,1/8W,AA,TP | 4 | R237 | 2001-000515 | R-CARBON:220OHM,5%,1/8W,AA,TP |
| 4 | R916 | 2001-000007 | R-CARBON:3KOHM,5%,1/8W,AA,TP,1 | 4 | R238 | 2001-000515 | R-CARBON:220OHM,5%,1/8W,AA,TP |
| 4 | R918 | 2001-000009 | R-CARBON:20KOHM,5%,1/8W,AA,TP | 4 | R247 | 2001-000515 | R-CARBON:220OHM,5%,1/8W,AA,TP |
| 4 | R303 | 2001-000016 | R-CARBON(S):1OHM,5%,1/2W,AA,TP | 4 | R932 | 2001-000515 | R-CARBON:220OHM,5%,1/8W,AA,TP |
| 4 | R412 | 2001-000020 | R-CARBON(S):22OHM,5%,1/2W,AA,TP | 4 | R943 | 2001-000515 | R-CARBON:220OHM,5%,1/8W,AA,TP |
| 4 | R809 | 2001-000022 | R-CARBON(S):33OHM,5%,1/2W,AA,T | 4 | R215 | 2001-000522 | R-CARBON:22KOHM,5%,1/8W,AA,TP |
| 4 | R411 | 2001-000028 | R-CARBON(S):100OHM,5%,1/2W,AB | 4 | R823 | 2001-000522 | R-CARBON:22KOHM,5%,1/8W,AA,TP |
| 4 | R422 | 2001-000037 | R-CARBON(S):330OHM,5%,1/2W,AA | 4 | R915 | 2001-000577 | R-CARBON:2KOHM,5%,1/8W,AA,TP,1 |
| 4 | R825 | 2001-000066 | R-CARBON(S):10KOHM,5%,1/2W,AA | 4 | R949 | 2001-000660 | R-CARBON:33KOHM,5%,1/8W,AA,TP |
| 4 | R228 | 2001-000117 | R-CARBON(S):68ohm,5%,1/2W,AA,TP,2.4x6.4mm | 4 | R105 | 2001-000702 | R-CARBON:39KOHM,5%,1/8W,AA,TP |
| 4 | R207 | 2001-000221 | R-CARBON:1.2KOHM,5%,1/8W,AA,TP | 4 | R251 | 2001-000734 | R-CARBON:4.7KOHM,5%,1/8W,AA,TP |
| 4 | R213 | 2001-000232 | R-CARBON:1.3KOHM,5%,1/8W,AA,TP | 4 | R833 | 2001-000734 | R-CARBON:4.7KOHM,5%,1/8W,AA,TP |
| 4 | R822 | 2001-000273 | R-CARBON:100KOHM,5%,1/8W,AA,TP | 4 | R901 | 2001-000734 | R-CARBON:4.7KOHM,5%,1/8W,AA,TP |
| 4 | J904 | 2001-000281 | R-CARBON:100OHM,5%,1/8W,AA,TP | 4 | R903 | 2001-000734 | R-CARBON:4.7KOHM,5%,1/8W,AA,TP |
| 4 | R102 | 2001-000281 | R-CARBON:100OHM,5%,1/8W,AA,TP | 4 | R904 | 2001-000734 | R-CARBON:4.7KOHM,5%,1/8W,AA,TP |
| 4 | R103 | 2001-000281 | R-CARBON:100OHM,5%,1/8W,AA,TP | 4 | R905 | 2001-000734 | R-CARBON:4.7KOHM,5%,1/8W,AA,TP |
| 4 | R203 | 2001-000281 | R-CARBON:100OHM,5%,1/8W,AA,TP | 4 | R921 | 2001-000734 | R-CARBON:4.7KOHM,5%,1/8W,AA,TP |
| 4 | R204 | 2001-000281 | R-CARBON:100OHM,5%,1/8W,AA,TP | 4 | R927 | 2001-000734 | R-CARBON:4.7KOHM,5%,1/8W,AA,TP |
| 4 | R231 | 2001-000281 | R-CARBON:100OHM,5%,1/8W,AA,TP | 4 | R928 | 2001-000734 | R-CARBON:4.7KOHM,5%,1/8W,AA,TP |
| 4 | R232 | 2001-000281 | R-CARBON:100OHM,5%,1/8W,AA,TP | 4 | R937 | 2001-000734 | R-CARBON:4.7KOHM,5%,1/8W,AA,TP |
| 4 | R604 | 2001-000281 | R-CARBON:100OHM,5%,1/8W,AA,TP | 4 | R938 | 2001-000734 | R-CARBON:4.7KOHM,5%,1/8W,AA,TP |

| Loc. No. | Code No. | Description ; Specification | Remark | Loc. No. | Code No. | Description ; Specification | Remark |
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| △ 4 | RR02S | 2001-000766 | R-CARBON:43KOHM,5%,1/8W,AA,TP, | 4 | R811 | 2004-001408 | R-METAL(S):91KOHM,1%,1/2W,AA,T |
| 4 | R224 | 2001-000780 | R-CARBON:470ohm,5%,1/8W,AA,TP,1.8x3.2mm | 4 | R821 | 2004-001891 | R-METAL(S):133KOHM,1%,1/2W,AA, |
| 4 | R225 | 2001-000780 | R-CARBON:470ohm,5%,1/8W,AA,TP,1.8x3.2mm | △ 4 | RR03S | 2004-001897 | R-METAL(S):43.2KOHM,1%,1/2W,AA |
| 4 | R226 | 2001-000780 | R-CARBON:470ohm,5%,1/8W,AA,TP,1.8x3.2mm | 4 | R819 | 2004-001983 | R-METAL:2.49KOHM,1%,1/2W,AA,TP,2.4X6.4 |
| 4 | R614 | 2001-000780 | R-CARBON:470ohm,5%,1/8W,AA,TP,1.8x3.2mm | 4 | R302 | 2004-001984 | R-METAL:26.7KOHM,1%,1/2W,AA,TP |
| 4 | R615 | 2001-000780 | R-CARBON:470ohm,5%,1/8W,AA,TP,1.8x3.2mm | 4 | R314 | 2004-001986 | R-METAL:35.7KOHM,1%,1/2W,AA,TP |
| 4 | R616 | 2001-000780 | R-CARBON:470ohm,5%,1/8W,AA,TP,1.8x3.2mm | 4 | R415 | 2004-004048 | R-METAL(S):3.9Kohm,1%,1/2W,AA,TP,2.5x6.5 |
| 4 | R617 | 2001-000780 | R-CARBON:470ohm,5%,1/8W,AA,TP,1.8x3.2mm | 4 | R315 | 2004-004970 | R-METAL(S):62Kohm,1%,1/8W,AA,TP,1.8x3.2m |
| 4 | R812 | 2001-000780 | R-CARBON:470ohm,5%,1/8W,AA,TP,1.8x3.2mm | 4 | R405 | 2008-000253 | R-FUSIBLE(S):0.470HM,5%,1W,AF, |
| 4 | R831 | 2001-000780 | R-CARBON:470ohm,5%,1/8W,AA,TP,1.8x3.2mm | 4 | R414 | 2008-000253 | R-FUSIBLE(S):0.470HM,5%,1W,AF, |
| 4 | R919 | 2001-000780 | R-CARBON:470ohm,5%,1/8W,AA,TP,1.8x3.2mm | 4 | R304 | 2008-000254 | R-FUSIBLE(S):0.680HM,5%,2W,AF, |
| 4 | R920 | 2001-000780 | R-CARBON:470ohm,5%,1/8W,AA,TP,1.8x3.2mm | △ 4 | RR01S | 2008-000264 | R-FUSIBLE(S):10HM,5%,1W,AF,TP, |
| 4 | R931 | 2001-000780 | R-CARBON:470ohm,5%,1/8W,AA,TP,1.8x3.2mm | 4 | R828 | 2008-000266 | R-FUSIBLE(S):10HM,5%,2W,AF,TP, |
| 4 | R933 | 2001-000780 | R-CARBON:470ohm,5%,1/8W,AA,TP,1.8x3.2mm | 4 | R827 | 2008-000284 | R-FUSIBLE(S):0.10HM,10%,2W,AF,TP,3.9X10M |
| △ 4 | RR09S | 2001-000780 | R-CARBON:470ohm,5%,1/8W,AA,TP,1.8x3.2mm | 4 | R413 | 2008-001018 | R-FUSIBLE(S):0.470HM,10%,2W,AF |
| 4 | R816 | 2001-000780 | R-CARBON:470ohm,5%,1/8W,AA,TP,1.8x3.2mm | 4 | R424 | 2008-001018 | R-FUSIBLE(S):0.470HM,10%,2W,AF |
| 4 | R244 | 2001-000786 | R-CARBON:47KOHM,5%,1/8W,AA,TP, | 4 | R425 | 2008-001018 | R-FUSIBLE(S):0.470HM,10%,2W,AF |
| 4 | R210 | 2001-000812 | R-CARBON:5.6Kohm,5%,1/8W,AA,TP,1.8x3.2mm | 4 | R829 | 2008-001029 | R-FUSIBLE(S):5.60HM,5%,2W,AF,T |
| 4 | R106 | 2001-000864 | R-CARBON:56Kohm,5%,1/8W,AA,TP,1.8x3.2mm | 4 | C424 | 2201-000132 | C-CERAMIC,DISC:100PF,10%,500V,Y5P,6X3MM, |
| 4 | R824 | 2001-000864 | R-CARBON:56Kohm,5%,1/8W,AA,TP,1.8x3.2mm | 4 | C656 | 2201-000304 | C-CERAMIC,DISC:0.01nF,0.25pF,50V,NP0,TP |
| 4 | R917 | 2001-000878 | R-CARBON:6.2KOHM,5%,1/8W,AA,TP | 4 | C657 | 2201-000304 | C-CERAMIC,DISC:0.01nF,0.25pF,50V,NP0,TP |
| △ 4 | RR04S | 2001-000908 | R-CARBON:62Kohm,5%,1/8W,AA,TP,1.8x3.2mm | 4 | C804 | 2201-000332 | C-CERAMIC,AC:CK45PTAPGE250V222 |
| 4 | R923 | 2001-000924 | R-CARBON:680ohm,5%,1/8W,AA,TP,1.8x3.2mm | 4 | C805 | 2201-000332 | C-CERAMIC,AC:CK45PTAPGE250V222 |
| 4 | R241 | 2001-000938 | R-CARBON:68ohm,5%,1/8W,AA,TP,1.8x3.2mm | 4 | C828 | 2201-000374 | C-CERAMIC,DISC:220pF,5%,50V,CH,TP,12.5x3 |
| 4 | R709 | 2001-000938 | R-CARBON:68ohm,5%,1/8W,AA,TP,1.8x3.2mm | 4 | C814 | 2201-000406 | C-CERAMIC,HIC:CK45(T)B2KV271-K |
| 4 | R913 | 2001-000947 | R-CARBON:7.5KOHM,5%,1/8W,AA,TP | 4 | C401 | 2201-000556 | C-CERAMIC,DISC:470PF,10%,500V, |
| 4 | C251 | 2001-000969 | R-CARBON:75OHM,5%,1/8W,AA,TP,1 | 4 | C403 | 2201-000556 | C-CERAMIC,DISC:470PF,10%,500V, |
| 4 | C253 | 2001-000969 | R-CARBON:75OHM,5%,1/8W,AA,TP,1 | 4 | C421 | 2201-000556 | C-CERAMIC,DISC:470PF,10%,500V, |
| 4 | R242 | 2001-000969 | R-CARBON:75OHM,5%,1/8W,AA,TP,1 | △ 4 | CR01S | 2201-000556 | C-CERAMIC,DISC:470PF,10%,500V, |
| 4 | R704 | 2001-000969 | R-CARBON:75OHM,5%,1/8W,AA,TP,1 | 4 | C601 | 2201-000558 | C-CERAMIC,DISC:470PF,10%,50V,Y |
| 4 | R705 | 2001-000969 | R-CARBON:75OHM,5%,1/8W,AA,TP,1 | 4 | C419 | 2201-000599 | C-CERAMIC,DISC:560PF,10%,500V, |
| 4 | R719 | 2001-000969 | R-CARBON:75OHM,5%,1/8W,AA,TP,1 | 4 | C817 | 2201-000599 | C-CERAMIC,DISC:560PF,10%,500V, |
| 4 | R720 | 2001-000969 | R-CARBON:75OHM,5%,1/8W,AA,TP,1 | 4 | C819 | 2201-000599 | C-CERAMIC,DISC:560PF,10%,500V, |
| △ 4 | RR06S | 2001-000977 | R-CARBON:8.2Kohm,5%,1/8W,AA,TP,1.8x3.2m | 4 | C822 | 2201-000599 | C-CERAMIC,DISC:560PF,10%,500V, |
| 4 | L905 | 2001-000995 | R-CARBON:820OHM,5%,1/8W,AA,TP, | 4 | C654 | 2201-000611 | C-CERAMIC,DISC:56PF,5%,50V,NP0 |
| △ 4 | L401 | 2001-001038 | R-CARBON(S):0.560HM,5%,1/2W,AA,TP,2.4X6. | 4 | C910 | 2201-000980 | C-CERAMIC,DISC:30PF,5%,50V,NP0,5.0X3.0.5 |
| 4 | R404 | 2001-001038 | R-CARBON(S):0.560HM,5%,1/2W,AA,TP,2.4X6. | 4 | C911 | 2201-000980 | C-CERAMIC,DISC:30PF,5%,50V,NP0,5.0X3.0.5 |
| 4 | R808 | 2001-001079 | R-CARBON(S):150HM,5%,1/2W,AB,T | 4 | C224 | 2201-002031 | C-CERAMIC,DISC:5pF,0.25pF,50V,NP0,TP,5x3 |
| 4 | R418 | 2001-001088 | R-CARBON(S):1KOHM,5%,1/2W,AA,TP,2.4X6.4 | 4 | C225 | 2201-002031 | C-CERAMIC,DISC:5pF,0.25pF,50V,NP0,TP,5x3 |
| △ 4 | RR430S | 2001-001088 | R-CARBON(S):1KOHM,5%,1/2W,AA,TP,2.4X6.4 | 4 | C303 | 2201-002103 | C-CERAMIC,DISC:0.015nF,5%,500V,NP0,TP,6. |
| 4 | R421 | 2001-001093 | R-CARBON(S):2.2KOHM,5%,1/2W,AA,TP,2.4X6. | 4 | C115 | 2202-000121 | C-CERAMIC,MLC-AXIAL:100PF,10%, |
| 4 | R820 | 2001-001096 | R-CARBON(S):2.2OHM,5%,1/2W,AA, | 4 | C116 | 2202-000121 | C-CERAMIC,MLC-AXIAL:100PF,10%, |
| 4 | R818 | 2001-001113 | R-CARBON(S):270KOHM,5%,1/2W,AA | 4 | C244 | 2202-000121 | C-CERAMIC,MLC-AXIAL:100PF,10%, |
| 4 | R432 | 2001-001122 | R-CARBON/METALFILM:RD1/2T3.9K- | 4 | C245 | 2202-000121 | C-CERAMIC,MLC-AXIAL:100PF,10%, |
| 4 | R429 | 2001-001139 | R-CARBON(S):39KOHM,5%,1/2W,AA, | 4 | C113 | 2202-000127 | C-CERAMIC,MLC-AXIAL:10NF,+80-2 |
| 4 | R805 | 2001-001150 | R-CARBON(S):470KOHM,5%,1/2W,AA | 4 | C246 | 2202-000210 | C-CERAMIC,MLC-AXIAL:270pF,10%,50V,Y5P,TP |
| 4 | R806 | 2001-001150 | R-CARBON(S):470KOHM,5%,1/2W,AA | 4 | C248 | 2202-000210 | C-CERAMIC,MLC-AXIAL:270pF,10%,50V,Y5P,TP |
| 4 | R813 | 2001-001153 | R-CARBON(S):470HM,5%,1/2W,AA,T | 4 | C627 | 2202-000231 | C-CERAMIC,MLC-AXIAL:330PF,10%,50V,Y5P,3. |
| 4 | R832 | 2001-001153 | R-CARBON(S):470HM,5%,1/2W,AA,T | 4 | C629 | 2202-000231 | C-CERAMIC,MLC-AXIAL:330PF,10%,50V,Y5P,3. |
| 4 | R423 | 2001-001155 | R-CARBON(S):5.6Kohm,5%,1/2W,AA,TP,2.4x6. | 4 | C638 | 2202-000231 | C-CERAMIC,MLC-AXIAL:330PF,10%,50V,Y5P,3. |
| 4 | R810 | 2001-001178 | R-CARBON(S):680OHM,5%,1/2W,AA, | 4 | C639 | 2202-000231 | C-CERAMIC,MLC-AXIAL:330PF,10%,50V,Y5P,3. |
| 4 | R428 | 2001-001184 | R-CARBON(S):750KOHM,5%,1/2W,AB | 4 | C642 | 2202-000231 | C-CERAMIC,MLC-AXIAL:330PF,10%,50V,Y5P,3. |
| △ 4 | RP802S | 2002-001010 | R-COMPOSITION:1.8MOHM,5%,1/2W,AA,TP,3.7X | 4 | C644 | 2202-000231 | C-CERAMIC,MLC-AXIAL:330PF,10%,50V,Y5P,3. |
| △ 4 | RY802S | 2002-001013 | R-COMPOSITION:4.7MOhm,5%,1/2W,AA,TP,3.7X | 4 | C701 | 2202-000231 | C-CERAMIC,MLC-AXIAL:330PF,10%,50V,Y5P,3. |
| 4 | R426 | 2003-000540 | R-METALOXIDE(S):1KOHM,5%,2W,AD | 4 | C709 | 2202-000243 | C-CERAMIC,MLC-AXIAL:33PF,5%,50 |
| 4 | R401 | 2003-000586 | R-METALOXIDE(S):22KOHM,5%,2W,A | 4 | C710 | 2202-000243 | C-CERAMIC,MLC-AXIAL:33PF,5%,50 |
| 4 | R402 | 2003-000586 | R-METALOXIDE(S):22KOHM,5%,2W,A | 4 | C711 | 2202-000243 | C-CERAMIC,MLC-AXIAL:33PF,5%,50 |
| 4 | R233 | 2003-000592 | R-METALOXIDE(S):22OHM,5%,2W,AD | 4 | C647 | 2202-000286 | C-CERAMIC,MLC-AXIAL:56PF,5%,50 |
| 4 | R434 | 2003-000664 | R-METAL OXIDE(S):330HM,5%,2W,AF,TP,4X12M | 4 | C903 | 2202-000719 | C-CERAMIC,MLC-AXIAL:6.8nF,20%,16V,Y5R,TP |
| 4 | R802 | 2003-001025 | R-METALOXIDE(S):15KOHM,5%,2W,A | 4 | C211 | 2202-000796 | C-CERAMIC,MLC-AXIAL:1NF,10%,50 |
| 4 | R803 | 2003-001025 | R-METALOXIDE(S):15KOHM,5%,2W,A | 4 | C607 | 2202-000796 | C-CERAMIC,MLC-AXIAL:1NF,10%,50 |
| 4 | R804 | 2003-001025 | R-METALOXIDE(S):15KOHM,5%,2W,A | 4 | C608 | 2202-000796 | C-CERAMIC,MLC-AXIAL:1NF,10%,50 |
| 4 | R433 | 2003-001042 | R-METALOXIDE(S):5.6KOHM,5%,2W,AF,TP,3.9X | 4 | C905 | 2202-000796 | C-CERAMIC,MLC-AXIAL:1NF,10%,50 |
| 4 | R403 | 2003-001091 | R-METALOXIDE:RS2RT(S)100-J10R | 4 | C632 | 2202-000806 | C-CERAMIC,MLC-AXIAL:220pF,10%,50V,Y5P,TP |
| 4 | R436 | 2003-002008 | R-METAL OXIDE(S):18KOHM,5%,2W,AF,TP,3.9X | 4 | C247 | 2202-000849 | C-CERAMIC,MLC-AXIAL:18pF,5%,50V,CH,TP,3. |
| 4 | R409 | 2003-002009 | R-METALOXIDE(S):390OHM,5%,2W,A | 4 | C908 | 2202-000863 | C-CERAMIC:CKOAX7R50V561-KUP050561 |
| 4 | R410 | 2003-002009 | R-METALOXIDE(S):390OHM,5%,2W,A | 4 | C218 | 2202-002037 | C-CERAMIC,MLC-AXIAL:100NF,+80-20 |
| 4 | R305 | 2003-002157 | R-METAL OXIDE:220OHM,5%,2W,AG,TP,6X16MM | 4 | C219 | 2202-002037 | C-CERAMIC,MLC-AXIAL:100NF,+80-20 |
| 4 | R306 | 2003-002157 | R-METAL OXIDE:220OHM,5%,2W,AG,TP,6X16MM | 4 | C220 | 2202-002037 | C-CERAMIC,MLC-AXIAL:100NF,+80-20 |
| 4 | R835 | 2003-002211 | R-METALOXIDE(S)91Kohm,5%,2W,AG,TP,3x | 4 | C252 | 2202-002037 | C-CERAMIC,MLC-AXIAL:100NF,+80-20 |
| 4 | R836 | 2003-002211 | R-METALOXIDE(S)91Kohm,5%,2W,AG,TP,3x | 4 | C254 | 2202-002037 | C-CERAMIC,MLC-AXIAL:100NF,+80-20 |
| 4 | R212 | 2004-000218 | R-METAL:10KOHM,1%,1/8,1.8X3.2M | 4 | C901 | 2202-002037 | C-CERAMIC,MLC-AXIAL:100NF,+80-20 |
| 4 | RR05S | 2004-000531 | R-METAL:20Kohm,1%,1/2W,AA,TP,3.3x9mm | 4 | C919 | 2202-002037 | C-CERAMIC,MLC-AXIAL:100NF,+80-20 |
| 4 | R313 | 2004-001137 | R-METAL:6.8KOHM,1%,1/8W,AA,TP,1.8*3.2M | 4 | C921 | 2202-002037 | C-CERAMIC,MLC-AXIAL:100NF,+80-20 |
| 4 | R417 | 2004-001382 | R-METAL(S):13KOHM,1%,1/2W,AA,TP,2.4X6.4M | 4 | C922 | 2202-002037 | C-CERAMIC,MLC-AXIAL:100NF,+80-20 |
| 4 | R301 | 2004-001397 | R-METAL(S):4.7KOHM,1%,1/2W,AA, | 4 | C649 | 2301-000108 | C-FILM,PEF:1.1NF,5%,50V,6.5X3.0X5.5MM,5M |
| 4 | R420 | 2004-001402 | R-METAL(S):6.8KOHM,1%,1/2W,AA, | 4 | C821 | 2301-000192 | C-FILM,PEF:1.1NF,5%,50V,5.3X10MM |

Electrical Parts List

| Loc. No. | Code No. | Description ; Specification | Remark | Loc. No. | Code No. | Description ; Specification | Remark | | |
|----------|----------|-----------------------------|--|-------------------------------|----------|-----------------------------|-------------|---|------------------------------------|
| 4 | C902 | 2301-000192 | C-FILM,PEF;1nF,5%,50V,5.3X10MM | | 4 | C838 | 2401-001840 | C-AL:100UF,20%,16V,GP,TP,6.3X1 | |
| 4 | C212 | 2301-000224 | C-FILM,PEF;22nF,5%,50V,7.4X3.9 | | 4 | C913 | 2401-001840 | C-AL:100UF,20%,16V,GP,TP,6.3X1 | |
| 4 | C416 | 2301-000224 | C-FILM,PEF;22nF,5%,50V,7.4X3.9 | | 4 | C915 | 2401-001840 | C-AL:100UF,20%,16V,GP,TP,6.3X1 | |
| 4 | C411 | 2301-000232 | C-FILM,PEF;3.3nF,5%,50V,8.1X4. | | 4 | C918 | 2401-001840 | C-AL:100UF,20%,16V,GP,TP,6.3X1 | |
| 4 | C213 | 2301-000310 | C-FILM,PEF;68nF,5%,50V,8.0X8.5 | | 4 | C209 | 2401-001914 | C-AL:1uF,20%,50V,BP,TP,5x11,5 | |
| 4 | C412 | 2301-000313 | C-FILM,PEF;8.2nF,5%,100V,7X3.2 | | 4 | C612 | 2401-001914 | C-AL:1uF,20%,50V,BP,TP,5x11,5 | |
| 4 | C306 | 2301-000342 | C-FILM,PEF;2.2nF,5%,50V,TP,7.4x3.9x13mm, | | 4 | C613 | 2401-001914 | C-AL:1uF,20%,50V,BP,TP,5x11,5 | |
| 4 | C228 | 2301-000356 | C-FILM,PEF;47nF,5%,50V,TP,7.5x4.0x6.5,5m | | 4 | C626 | 2401-001989 | C-AL:4.7uF,20%,50V,BP,TP,5x11,5 | |
| 4 | C230 | 2301-000356 | C-FILM,PEF;47nF,5%,50V,TP,7.5x4.0x6.5,5m | | 4 | C628 | 2401-001989 | C-AL:4.7uF,20%,50V,BP,TP,5x11,5 | |
| 4 | C809 | 2301-000356 | C-FILM,PEF;47nF,5%,50V,TP,7.5x4.0x6.5,5m | | 4 | C827 | 2401-002212 | C-AL:10UF,20%,25V,WT,TP,5X11,5 | |
| 4 | C810 | 2301-000356 | C-FILM,PEF;47nF,5%,50V,TP,7.5x4.0x6.5,5m | | 4 | C840 | 2401-002212 | C-AL:10UF,20%,25V,WT,TP,5X11,5 | |
| 4 | C811 | 2301-000356 | C-FILM,PEF;47nF,5%,50V,TP,7.5x4.0x6.5,5m | | 4 | C202 | 2401-002235 | C-ELECTROLYTIC:CE04W(T)16V10M | |
| 4 | C101 | 2301-000383 | C-FILM,PEF;10nF,5%,50V,TP,6x7x3.2mm,5mm | | 4 | C205 | 2401-002235 | C-ELECTROLYTIC:CE04W(T)16V10M | |
| 4 | C103 | 2301-000383 | C-FILM,PEF;10nF,5%,50V,TP,6x7x3.2mm,5mm | | 4 | C207 | 2401-002235 | C-ELECTROLYTIC:CE04W(T)16V10M | |
| 4 | C105 | 2301-000383 | C-FILM,PEF;10nF,5%,50V,TP,6x7x3.2mm,5mm | | 4 | C215 | 2401-002235 | C-ELECTROLYTIC:CE04W(T)16V10M | |
| 4 | C909 | 2301-000383 | C-FILM,PEF;10nF,5%,50V,TP,6x7x3.2mm,5mm | | 4 | C231 | 2401-002235 | C-ELECTROLYTIC:CE04W(T)16V10M | |
| 4 | C415 | 2301-000445 | C-FILM,PEF;4.7nF,5%,50V,TP,5.5x7x3mm,5mm | | 4 | C239 | 2401-002235 | C-ELECTROLYTIC:CE04W(T)16V10M | |
| 4 | C610 | 2301-000445 | C-FILM,PEF;4.7nF,5%,50V,TP,5.5x7x3mm,5mm | | 4 | C603 | 2401-002235 | C-ELECTROLYTIC:CE04W(T)16V10M | |
| 4 | C611 | 2301-000445 | C-FILM,PEF;4.7nF,5%,50V,TP,5.5x7x3mm,5mm | | 4 | C630 | 2401-002235 | C-ELECTROLYTIC:CE04W(T)16V10M | |
| 4 | C420 | 2301-001065 | C-FILM,MPPF;47nF,5%,630V,TP,19 | | 4 | C631 | 2401-002235 | C-ELECTROLYTIC:CE04W(T)16V10M | |
| 4 | C425 | 2301-001259 | C-FILM,MPPF;100nF,5%,400V,TP,19x8x16,7.5 | | 4 | C645 | 2401-002235 | C-ELECTROLYTIC:CE04W(T)16V10M | |
| 4 | C409 | 2301-001268 | C-FILM,PPF;33nF,5%,630V,TP,20x11x17,7.5 | | 4 | C652 | 2401-002235 | C-ELECTROLYTIC:CE04W(T)16V10M | |
| 4 | C807 | 2301-001397 | C-FILM,PPF;2.2nF,5%,1.2kV,TP,15x8.5x13.5 | | 4 | C920 | 2401-002235 | C-ELECTROLYTIC:CE04W(T)16V10M | |
| 4 | C305 | 2305-000149 | C-FILM:CF922N100VT104-J-40/105 | | △ | 4 | CR02S | 2401-002235 | C-ELECTROLYTIC:CE04W(T)16V10M |
| 4 | C304 | 2305-000285 | C-FILM,MPEF;220nF,5%,100V,-5M | | △ | 4 | CR03S | 2401-002235 | C-ELECTROLYTIC:CE04W(T)16V10M |
| 4 | C408 | 2305-000382 | C-FILM,MPEF;4.7nF,5%,400V,TP,-5MM. | | | 4 | C427 | 2401-002267 | C-AL:2.2UF,20%,250V,GP,8X12MM, |
| 4 | C233 | 2305-000411 | C-FILM,MPEF;470nF,5%,50V,7.3X4 | | 4 | C835 | 2401-002289 | C-ELEC:CE04-40/+10535VT471-MW1 | |
| 4 | C234 | 2305-000411 | C-FILM,MPEF;470nF,5%,50V,7.3X4 | | 4 | C621 | 2401-002458 | C-AL:1000UF,20%,35V,GP,16X25MM | |
| 4 | C235 | 2305-000411 | C-FILM,MPEF;470nF,5%,50V,7.3X4 | | 4 | C414 | 2401-002597 | C-AL:220uF,20%,35V,GP,TP,10x12.5,5 | |
| 4 | C236 | 2305-000411 | C-FILM,MPEF;470nF,5%,50V,7.3X4 | | 4 | C418 | 2401-002597 | C-AL:220uF,20%,35V,GP,TP,10x12.5,5 | |
| 4 | C308 | 2305-000411 | C-FILM,MPEF;470nF,5%,50V,7.3X4 | | 4 | C229 | 2401-002619 | C-AL:47uF,20%,25V,GP,TP,5x11,5 | |
| 4 | C907 | 2305-000411 | C-FILM,MPEF;470nF,5%,50V,7.3X4 | | 4 | C833 | 2401-002619 | C-AL:47uF,20%,25V,GP,TP,5x11,5 | |
| △ | 4 | CR04S | 2305-000412 | C-FILM,MPEF;470nF,5%,63V,-5MM | | 4 | C808 | 2401-003046 | C-AL:47uF,20%,50V,WT,TP,6.3x11,2.5 |
| 4 | C206 | 2305-000665 | C-FILM:104J, 60V,5MM TAPING | | 4 | C823 | 2401-003046 | C-AL:47uF,20%,50V,WT,TP,6.3x11,2.5 | |
| 4 | C214 | 2305-000665 | C-FILM:104J, 60V,5MM TAPING | | 4 | C824 | 2401-003046 | C-AL:47uF,20%,50V,WT,TP,6.3x11,2.5 | |
| 4 | C216 | 2305-000665 | C-FILM:104J, 60V,5MM TAPING | | 4 | C104 | 2401-003578 | C-AL:1000uF,20%,10V,GP,TP,8x20mm,5 | |
| 4 | C240 | 2305-000665 | C-FILM:104J, 60V,5MM TAPING | | 4 | CW901 | 2503-000156 | C-NETWORK:100pFx4,208,50V | |
| 4 | C605 | 2305-000665 | C-FILM:104J, 60V,5MM TAPING | | 4 | J401 | 2701-000114 | INDUCTOR-AXIAL:10UH,10%,2.5X3. | |
| 4 | C620 | 2305-000665 | C-FILM:104J, 60V,5MM TAPING | | 4 | L108 | 2701-000114 | INDUCTOR-AXIAL:10UH,10%,2.5X3. | |
| 4 | C635 | 2305-000665 | C-FILM:104J, 60V,5MM TAPING | | 4 | L109 | 2701-000114 | INDUCTOR-AXIAL:10UH,10%,2.5X3. | |
| 4 | C646 | 2305-000665 | C-FILM:104J, 60V,5MM TAPING | | 4 | L202 | 2701-000114 | INDUCTOR-AXIAL:10UH,10%,2.5X3. | |
| 4 | C825 | 2305-000665 | C-FILM:104J, 60V,5MM TAPING | | 4 | L301 | 2701-000114 | INDUCTOR-AXIAL:10UH,10%,2.5X3. | |
| 4 | C829 | 2305-000665 | C-FILM:104J, 60V,5MM TAPING | | 4 | L406 | 2701-000114 | INDUCTOR-AXIAL:10UH,10%,2.5X3. | |
| 4 | C831 | 2305-000665 | C-FILM:104J, 60V,5MM TAPING | | 4 | L907 | 2701-000114 | INDUCTOR-AXIAL:10UH,10%,2.5X3. | |
| 4 | C837 | 2305-000665 | C-FILM:104J, 60V,5MM TAPING | | 4 | L101 | 2701-000115 | INDUCTOR-AXIAL:10UH,10%,2.8X7M | |
| 4 | C839 | 2305-000665 | C-FILM:104J, 60V,5MM TAPING | | 4 | L103 | 2701-000115 | INDUCTOR-AXIAL:10UH,10%,2.8X7M | |
| 4 | C914 | 2305-000665 | C-FILM:104J, 60V,5MM TAPING | | 4 | L712 | 2701-000142 | INDUCTOR-AXIAL:1UH,10%,2.5X3.4 | |
| 4 | C916 | 2305-000665 | C-FILM:104J, 60V,5MM TAPING | | 4 | L713 | 2701-000142 | INDUCTOR-AXIAL:1UH,10%,2.5X3.4 | |
| 4 | C637 | 2401-000027 | C-AL:4.7UF,20%,50V,GP,5*11MM,5MEA | | 4 | L714 | 2701-000142 | INDUCTOR-AXIAL:1UH,10%,2.5X3.4 | |
| 4 | C640 | 2401-000027 | C-AL:4.7UF,20%,50V,GP,5*11MM,5MEA | | 4 | L208 | 2701-000146 | INDUCTOR-AXIAL:2.2UH,10%,2.5X3.4MM | |
| 4 | C641 | 2401-000027 | C-AL:4.7UF,20%,50V,GP,5*11MM,5MEA | | 4 | L102 | 2701-000159 | INDUCTORAXIAL:22uH,10%,4.2x9.8mm | |
| 4 | C643 | 2401-000027 | C-AL:4.7UF,20%,50V,GP,5*11MM,5MEA | | 4 | L209 | 2701-000168 | INDUCTORAXIAL:3.3uH,5%,2.5x3.4mm | |
| 4 | C912 | 2401-000027 | C-AL:4.7UF,20%,50V,GP,5*11MM,5MEA | | 4 | L210 | 2701-000168 | INDUCTORAXIAL:3.3uH,5%,2.5x3.4mm | |
| 4 | C816 | 2401-000262 | C-AL:100UF,20%,160V,GP,16X25MM,5MM, | | 4 | L604 | 2701-000169 | INDUCTORAXIAL:3.9uH,10%,2.5x3.4mm | |
| 4 | C210 | 2401-000287 | C-AL:100UF,20%,16V,WT,6X11MM,5 | | 4 | L605 | 2701-000177 | INDUCTOR-AXIAL:33UH,10%,2.5X3.4MM | |
| 4 | C826 | 2401-000287 | C-AL:100UF,20%,16V,WT,6X11MM,5 | | 4 | L606 | 2701-000177 | INDUCTOR-AXIAL:33UH,10%,2.5X3.4MM | |
| 4 | C302 | 2401-000360 | C-AL:100UF,20%,50V,GP,8X11MM,5 | | 4 | L607 | 2701-000177 | INDUCTOR-AXIAL:33UH,10%,2.5X3.4MM | |
| 4 | C307 | 2401-000360 | C-AL:100UF,20%,50V,GP,8X11MM,5 | | 4 | L608 | 2701-000177 | INDUCTOR-AXIAL:33UH,10%,2.5X3.4MM | |
| 4 | C413 | 2401-000493 | C-AL:10UF,20%,50V,WT,5X11MM,5M | | 4 | L705 | 2701-000177 | INDUCTOR-AXIAL:33UH,10%,2.5X3.4MM | |
| 4 | C617 | 2401-000493 | C-AL:10UF,20%,50V,WT,5X11MM,5M | | 4 | L706 | 2701-000177 | INDUCTOR-AXIAL:33UH,10%,2.5X3.4MM | |
| 4 | C917 | 2401-000493 | C-AL:10UF,20%,50V,WT,5X11MM,5M | | 4 | J919 | 2701-000183 | INDUCTOR-AXIAL:39uH,5%,2.4x3.4mm | |
| 4 | C201 | 2401-000603 | C-AL:1UF,20%,50V,GP,5X11MM,5MM | | 4 | L204 | 2701-000184 | INDUCTOR-AXIAL:4.7UH,10%,2.5X3.4MM | |
| 4 | C301 | 2401-000603 | C-AL:1UF,20%,50V,GP,5X11MM,5MM | | 4 | L902 | 2701-000184 | INDUCTOR-AXIAL:4.7UH,10%,2.5X3.4MM | |
| 4 | C604 | 2401-000603 | C-AL:1UF,20%,50V,GP,5X11MM,5MM | | 4 | L908 | 2701-000191 | INDUCTOR-AXIAL:47UH,10%,2.5X3.4MM | |
| 4 | C106 | 2401-000611 | C-AL:1UF,20%,50V,WT,5X11MM,5MM | | 4 | L909 | 2701-000191 | INDUCTOR-AXIAL:47UH,10%,2.5X3.4MM | |
| 4 | C841 | 2401-000611 | C-AL:1UF,20%,50V,WT,5X11MM,5MM | | 4 | L203 | 2702-001094 | INDUCTOR-RADIAL:10uH,10%,6x4mm | |
| 4 | C818 | 2401-000722 | C-AL:2200uF,20%,25V,WT,TP,16x25,7.5 | | 4 | L601 | 2702-001094 | INDUCTOR-RADIAL:10uH,10%,6x4mm | |
| 4 | C237 | 2401-000914 | C-AL:22UF,20%,16V,GP,5X11,5,TP | | 4 | L609 | 2702-001094 | INDUCTOR-RADIAL:10uH,10%,6x4mm | |
| 4 | C208 | 2401-001026 | C-AL:3.3UF,20%,50V,GP,5X11MM,5 | | 4 | L901 | 2702-001094 | INDUCTOR-RADIAL:10uH,10%,6x4mm | |
| 4 | C217 | 2401-001026 | C-AL:3.3UF,20%,50V,GP,5X11MM,5 | | 4 | L903 | 2702-001094 | INDUCTOR-RADIAL:10uH,10%,6x4mm | |
| 4 | C636 | 2401-001026 | C-AL:3.3UF,20%,50V,GP,5X11MM,5 | | 4 | L904 | 2702-001094 | INDUCTOR-RADIAL:10uH,10%,6x4mm | |
| 4 | C402 | 2401-001397 | C-AL:470UF,20%,25V,GP,10X16MM, | | 4 | L216 | 2702-001094 | INDUCTOR-RADIAL:10uH,10%,6x4mm | |
| 4 | C404 | 2401-001397 | C-AL:470UF,20%,25V,GP,10X16MM, | | 4 | X201 | 2801-003432 | CRYSTAL-UNIT:20.25MHZ,30PPM,28-AAM,13P | |
| 4 | C102 | 2401-001513 | C-AL:47UF,20%,16V,WT,5X11MM,5M | | 4 | X901 | 2801-003728 | CRYSTAL-UNIT:6MHz,30ppm,28AAM,20pf,40oh | |
| 4 | C422 | 2401-001527 | C-AL:47UF,20%,250V,HR,13X25MM, | | 4 | X601 | 2801-003903 | CRYSTAL-UNIT18.432MHz,25ppm,28AAM,12 | |
| 4 | C634 | 2401-001840 | C-AL:100UF,20%,16V,GP,TP,6.3X1 | | 4 | L407 | 2901-000297 | FILTER-EMI ON BOARD:-,3A,-,3.5x5,TP- | |
| 4 | C832 | 2401-001840 | C-AL:100UF,20%,16V,GP,TP,6.3X1 | | 4 | L807 | 2901-000297 | FILTER-EMI ON BOARD:-,3A,-,3.5x5,TP- | |

| Loc. No. | Code No. | Description ; Specification | Remark | Loc. No. | Code No. | Description ; Specification | Remark |
|----------|----------|-----------------------------|--|----------|----------|-----------------------------|--|
| 4 | EY854 | AA60-40011A | EYELET-;ID2.0,OD2.8,-,-,BST | 3 | QF01 | 0501-000389 | TRANSISTOR:KSC815-Y(TAPG)/YTAM |
| 4 | EY855 | AA60-40011A | EYELET-;ID2.0,OD2.8,-,-,BST | 3 | QF02 | 0501-000389 | TRANSISTOR:KSC815-Y(TAPG)/YTAM |
| 4 | EY856 | AA60-40011A | EYELET-;ID2.0,OD2.8,-,-,BST | 3 | QG02 | 0502-000244 | TR-POWER:KSA940,PNP-150V,-150 |
| 4 | EY857 | AA60-40011A | EYELET-;ID2.0,OD2.8,-,-,BST | 3 | QG03 | 0502-001007 | TR-POWER:KSC2073-H2,NPN,150V,1 |
| 4 | EY858 | AA60-40011A | EYELET-;ID2.0,OD2.8,-,-,BST | 3 | ICG01 | 1201-000191 | IC:MC4558C |
| 4 | EY859 | AA60-40011A | EYELET-;ID2.0,OD2.8,-,-,BST | 3 | R503 | 2001-000085 | R-CARBON(S):100KOHM,5%,1/2W,AA |
| 4 | EY860 | AA60-40011A | EYELET-;ID2.0,OD2.8,-,-,BST | 3 | R508 | 2001-000085 | R-CARBON(S):100KOHM,5%,1/2W,AA |
| 4 | EY861 | AA60-40011A | EYELET-;ID2.0,OD2.8,-,-,BST | 3 | R513 | 2001-000085 | R-CARBON(S):100KOHM,5%,1/2W,AA |
| 4 | EL401 | AA60-40011B | EYELET-;ID2.2,OD3.2,-,-,BSP | 3 | RF09 | 2001-000221 | R-CARBON:1.2KOHM,5%,1/8W,AA,TP |
| 4 | EL402 | AA60-40011B | EYELET-;ID2.2,OD3.2,-,-,BSP | 3 | RF12 | 2001-000221 | R-CARBON:1.2KOHM,5%,1/8W,AA,TP |
| 4 | EL404 | AA60-40011B | EYELET-;ID2.2,OD3.2,-,-,BSP | 3 | RF10 | 2001-000241 | R-CARBON:1.5KOHM,5%,1/8W,AA,TP |
| 4 | EL405 | AA60-40011B | EYELET-;ID2.2,OD3.2,-,-,BSP | 3 | RF11 | 2001-000241 | R-CARBON:1.5KOHM,5%,1/8W,AA,TP |
| 4 | EL406 | AA60-40011B | EYELET-;ID2.2,OD3.2,-,-,BSP | 3 | RF08 | 2001-000313 | R-CARBON:11KOHM,5%,1/8W,AA,TP |
| 4 | EL802 | AA60-40011B | EYELET-;ID2.2,OD3.2,-,-,BSP | 3 | RF03 | 2001-000362 | R-CARBON:150OHM,5%,1/8W,AA,TP |
| 4 | EL803 | AA60-40011B | EYELET-;ID2.2,OD3.2,-,-,BSP | 3 | R542 | 2001-000429 | R-CARBON:1Kohm,5%,1/8W,AA,TP,1.8x3.2mm |
| 4 | EL805 | AA60-40011B | EYELET-;ID2.2,OD3.2,-,-,BSP | 3 | R543 | 2001-000429 | R-CARBON:1Kohm,5%,1/8W,AA,TP,1.8x3.2mm |
| 4 | EL806 | AA60-40011B | EYELET-;ID2.2,OD3.2,-,-,BSP | 3 | R544 | 2001-000429 | R-CARBON:1Kohm,5%,1/8W,AA,TP,1.8x3.2mm |
| 4 | EL807 | AA60-40011B | EYELET-;ID2.2,OD3.2,-,-,BSP | 3 | R546 | 2001-000429 | R-CARBON:1Kohm,5%,1/8W,AA,TP,1.8x3.2mm |
| 4 | EL808 | AA60-40011B | EYELET-;ID2.2,OD3.2,-,-,BSP | 3 | R522 | 2001-000449 | R-CARBON:2.2KOHM,5%,1/8W,AA,TP |
| 4 | EL809 | AA60-40011B | EYELET-;ID2.2,OD3.2,-,-,BSP | 3 | RF04 | 2001-000449 | R-CARBON:2.2KOHM,5%,1/8W,AA,TP |
| 4 | EL810 | AA60-40011B | EYELET-;ID2.2,OD3.2,-,-,BSP | 3 | R504 | 2001-000515 | R-CARBON:220OHM,5%,1/8W,AA,TP |
| 4 | EL811 | AA60-40011B | EYELET-;ID2.2,OD3.2,-,-,BSP | 3 | R509 | 2001-000515 | R-CARBON:220OHM,5%,1/8W,AA,TP |
| 4 | GT101 | AA60-40014A | PIN-GT,ASSY:1P,-,-,AUTO | 3 | R539 | 2001-000515 | R-CARBON:220OHM,5%,1/8W,AA,TP |
| 4 | GT102 | AA60-40014A | PIN-GT,ASSY:1P,-,-,AUTO | 3 | R521 | 2001-000522 | R-CARBON:22KOHM,5%,1/8W,AA,TP |
| 4 | GT103 | AA60-40014A | PIN-GT,ASSY:1P,-,-,AUTO | 3 | RF05 | 2001-000522 | R-CARBON:22KOHM,5%,1/8W,AA,TP |
| 4 | GT104 | AA60-40014A | PIN-GT,ASSY:1P,-,-,AUTO | 3 | RF02 | 2001-000734 | R-CARBON:4.7KOHM,5%,1/8W,AA,TP |
| 4 | GT301 | AA60-40014A | PIN-GT,ASSY:1P,-,-,AUTO | 3 | RF07 | 2001-000904 | R-CARBON:620OHM,5%,1/8W,AA,TP,1.8X3.2MM |
| 4 | GT302 | AA60-40014A | PIN-GT,ASSY:1P,-,-,AUTO | 3 | RF06 | 2001-000989 | R-CARBON :820Kohm,5%,1/8W,AA,TP,1.8x3.2m |
| 4 | GT401 | AA60-40014A | PIN-GT,ASSY:1P,-,-,AUTO | 3 | R517 | 2001-001062 | R-CARBON(S):10MOHM,5%,1/2W,AA, |
| 4 | GT402 | AA60-40014A | PIN-GT,ASSY:1P,-,-,AUTO | 3 | RF14 | 2001-001071 | R-CARBON(S):12KOHM,5%,1/2W,AA, |
| 4 | GT409 | AA60-40014A | PIN-GT,ASSY:1P,-,-,AUTO | 3 | R501 | 2001-001088 | R-CARBON(S):1KOHM,5%,1/2W,AA,TP,2.4X6.4 |
| 4 | GT410 | AA60-40014A | PIN-GT,ASSY:1P,-,-,AUTO | 3 | R506 | 2001-001088 | R-CARBON(S):1KOHM,5%,1/2W,AA,TP,2.4X6.4 |
| 4 | GT411 | AA60-40014A | PIN-GT,ASSY:1P,-,-,AUTO | 3 | R511 | 2001-001088 | R-CARBON(S):1KOHM,5%,1/2W,AA,TP,2.4X6.4 |
| 4 | GT412 | AA60-40014A | PIN-GT,ASSY:1P,-,-,AUTO | 3 | R502 | 2001-001093 | R-CARBON(S):2.2KOHM,5%,1/2W,AA,TP,2.4X6. |
| 4 | GT801 | AA60-40014A | PIN-GT,ASSY:1P,-,-,AUTO | 3 | R507 | 2001-001093 | R-CARBON(S):2.2KOHM,5%,1/2W,AA,TP,2.4X6. |
| 4 | GT802 | AA60-40014A | PIN-GT,ASSY:1P,-,-,AUTO | 3 | R512 | 2001-001093 | R-CARBON(S):2.2KOHM,5%,1/2W,AA,TP,2.4X6. |
| 4 | GT803 | AA60-40014A | PIN-GT,ASSY:1P,-,-,AUTO | 3 | RF15 | 2001-001100 | R-CARBON(S):2.7OHM,5%,1/2W,AA, |
| 4 | GT804 | AA60-40014A | PIN-GT,ASSY:1P,-,-,AUTO | 3 | RF17 | 2001-001100 | R-CARBON(S):2.7OHM,5%,1/2W,AA, |
| 4 | GT805 | AA60-40014A | PIN-GT,ASSY:1P,-,-,AUTO | 3 | RG06 | 2001-001100 | R-CARBON(S):2.7OHM,5%,1/2W,AA, |
| 4 | GT806 | AA60-40014A | PIN-GT,ASSY:1P,-,-,AUTO | 3 | RG07 | 2001-001100 | R-CARBON(S):2.7OHM,5%,1/2W,AA, |
| 4 | L/LINE | AA68-01544A | LABEL-LINE.ALL MDL COMMON | 3 | RG05 | 2001-001163 | R-CARBON(S):560OHM,5%,1/2W,AA, |
| 4 | R621 | 2001-000890 | R-CARBON:6.8KOHM,5%,1/8W,AA,TP | 3 | RG08 | 2001-001163 | R-CARBON(S):560OHM,5%,1/2W,AA, |
| 4 | R622 | 2001-000890 | R-CARBON:6.8KOHM,5%,1/8W,AA,TP | 3 | RF13 | 2001-001179 | R-CARBON(S):68KOHM,5%,1/2W,AA, |
| 4 | R908 | 2001-000449 | R-CARBON:2.2KOHM,5%,1/8W,AA,TP | 3 | RF16 | 2001-001179 | R-CARBON(S):68KOHM,5%,1/2W,AA, |
| 4 | R906 | 2001-000449 | R-CARBON:2.2KOHM,5%,1/8W,AA,TP | 3 | R519 | 2002-001009 | R-COMPOSITION:2.7KOHM,10%,1/2W,AA,TP,3.7 |
| 4 | C410 | 2301-000213 | C-FILM,PEF:220NF,5%,250V,21.5X | 3 | R505 | 2002-001017 | R-COMPOSITION:1K,10%,1/2W,AA,TP,3.7x9.0m |
| 3 | | 0204-000442 | SOLVENT:CH3-CH5H-CH396%IM-1000 | 3 | R510 | 2002-001017 | R-COMPOSITION:1K,10%,1/2W,AA,TP,3.7x9.0m |
| 3 | | 0202-000008 | SOLDER-WIRE:S63S-D3.0,S63A,D3,63/37 | 3 | R515 | 2002-001017 | R-COMPOSITION:1K,10%,1/2W,AA,TP,3.7x9.0m |
| 3 | | 0204-001024 | FLUX:DF-96TVS,-,20%, | 3 | RF18 | 2003-000458 | R-METALOXIDE(S):100OHM,5%,2W,A |
| 3 | | 0202-000187 | SOLDER-WIREFLUX:-,RS60S,D1.2,6 | 3 | RF23 | 2003-000746 | R-METALOXIDE(S):560HM,5%,2W,AD |
| 3 | SH+CW | AA65-30105B | CLAMP-WIRE-NYLON 66,V2,NTR,25MM,ALL MODE | 3 | RF24 | 2003-000746 | R-METALOXIDE(S):560HM,5%,2W,AD |
| 2 | SH+H/S | AA61-00462B | SUPPORT-HEAT-SINK:21A9,ABS,HB,GRAY | 3 | RF19 | 2003-001023 | R-METALOXIDE(S):120OHM,5%,2W,A |
| 2 | A/CRT | AA95-01158A | ASSY PCB CRT:KS3A,29FLAT,PAL | 3 | RF25 | 2003-002009 | R-METALOXIDE(S):390OHM,5%,2W,A |
| 3 | DF01 | 0401-000005 | DIODE:1N4148,100V,300mA,1V,8nS,TAPING | 3 | R518 | 2003-002171 | R-METAL OXIDE(S):150ohm,5%,2W,AG,TP,3.9x |
| 3 | DF04 | 0401-000005 | DIODE:1N4148,100V,300mA,1V,8nS,TAPING | 3 | RF20 | 2003-002214 | R-METALOXIDE(S):680ohm,5%,2W,AG,TP,3x19 |
| 3 | DG01 | 0401-000005 | DIODE:1N4148,100V,300mA,1V,8nS,TAPING | 3 | RF21 | 2003-002214 | R-METALOXIDE(S):680ohm,5%,2W,AG,TP,3x19 |
| 3 | D502 | 0402-000132 | DIODE-RECTIFIER:1N4004,400V,1A,DO-41 | 3 | RF22 | 2003-002214 | R-METALOXIDE(S):680ohm,5%,2W,AG,TP,3x19 |
| 3 | D507 | 0402-001105 | DIODE-RECTIFIER:ERB43-04SV1,40 | 3 | R527 | 2004-000433 | R-METAL:1KOHM,1%,1/8W,AA,TP,1. |
| 3 | D508 | 0402-001105 | DIODE-RECTIFIER:ERB43-04SV1,40 | 3 | R526 | 2004-000500 | R-METAL:2.7Kohm,1%,1/8W,AA,TP,1.8x3.2m |
| 3 | D509 | 0402-001105 | DIODE-RECTIFIER:ERB43-04SV1,40 | 3 | RG01 | 2004-001397 | R-METAL(S):4.7KOHM,1%,1/2W,AA, |
| 3 | D510 | 0402-001105 | DIODE-RECTIFIER:ERB43-04SV1,40 | 3 | RG03 | 2004-001987 | R-METAL:4.3KOHM,1%,1/2W,AA,TP, |
| 3 | D511 | 0402-001105 | DIODE-RECTIFIER:ERB43-04SV1,40 | 3 | RG02 | 2004-002022 | R-METAL,FILM:RM1/2T51K-F |
| 3 | D512 | 0402-001105 | DIODE-RECTIFIER:ERB43-04SV1,40 | 3 | RG04 | 2004-002022 | R-METAL,FILM:RM1/2T51K-F |
| 3 | DF02 | 0402-001105 | DIODE-RECTIFIER:ERB43-04SV1,40 | 3 | R523 | 2008-000267 | R-FUSIBLE(S):2.4OHM,5%,2W,AA,TP,3.9X10 |
| 3 | DF03 | 0402-001105 | DIODE-RECTIFIER:ERB43-04SV1,40 | 3 | CF01 | 2201-000180 | C-CERAMIC,DISC:10NF,10%,50V,Y5V,TP,6.5*3 |
| 3 | DZF01 | 0403-001039 | DIODE ZENER:MA2560,56V,52-60V,1W,DO-41,T | 3 | C501 | 2201-000247 | C-CERAMIC,DISC:15PF,5%,50V,CH, |
| 3 | DZF02 | 0403-001039 | DIODE ZENER:MA2560,56V,52-60V,1W,DO-41,T | 3 | C507 | 2201-000247 | C-CERAMIC,DISC:15PF,5%,50V,CH, |
| 3 | DZ503 | 0403-001211 | DIODE-ZENER:MTZJ12B,11.44-12.03V,500MW,D | 3 | CF03 | 2201-000376 | C-CERAMIC,DISC:220PF,5%,50V,SL,4X4MM,5MM |
| 3 | RWK/CR | 0403-001211 | DIODE-ZENER:MTZJ12B,11.44-12.03V,500MW,D | 3 | CF06 | 2201-000516 | C-CERAMIC,DISC:4.7nF,+100-0%,5 |
| 3 | DZ504 | 0403-001325 | DIODE-ZENER:MTZJ15C,14.35-15.09V,500mW,D | 3 | CF08 | 2201-000604 | C-CERAMIC,DISC:56PF,+100-0%,50 |
| 3 | DZ505 | 0403-001325 | DIODE-ZENER:MTZJ15C,14.35-15.09V,500mW,D | 3 | CF04 | 2201-000653 | C-CERAMIC,DISC:68PF,5%,50V,SL,4.0X3.5MM, |
| 3 | DZG501 | 0403-001328 | DIODE-ZENER:MTZJ22A,20.15-21.20V,500mW,D | 3 | C513 | 2201-000723 | C-CERAMIC,DISC:4.7nF,20%,3KV,Y5U,TP,16x5 |
| 3 | Q502 | 0501-000283 | TRANSISTOR:KSA539-Y(TAPG)/YTAM | 3 | C503 | 2201-002108 | C-CERAMIC,DISC:1.5nF,10%,500V,B,TP,8.5x3 |
| 3 | Q503 | 0501-000283 | TRANSISTOR:KSA539-Y(TAPG)/YTAM | 3 | C506 | 2201-002108 | C-CERAMIC,DISC:1.5nF,10%,500V,B,TP,8.5x3 |
| 3 | Q504 | 0501-000283 | TRANSISTOR:KSA539-Y(TAPG)/YTAM | 3 | C509 | 2201-002108 | C-CERAMIC,DISC:1.5nF,10%,500V,B,TP,8.5x3 |
| 3 | QG01 | 0501-000283 | TRANSISTOR:KSA539-Y(TAPG)/YTAM | 3 | C516 | 2301-000192 | C-FILM,PEF:1NF,5%,50V,5.3X10MM |
| 3 | QF03 | 0501-000369 | TRANSISTOR:KSC2331-Y(TAPG) | 3 | CF02 | 2301-000192 | C-FILM,PEF:1NF,5%,50V,5.3X10MM |

Electrical Parts List

| Loc. No. | Code No. | Description ; Specification | Remark | Loc. No. | Code No. | Description ; Specification | Remark |
|----------|----------|-----------------------------|--|----------|----------|-----------------------------|--|
| 3 | C518 | 2301-000224 | C-FILM,PEF:22NF,5%,50V,7.4X3.9 | 3 | SG502 | AA27-00084A | COIL:S-23,S-23,5000Mohm MIN,8.0*8.5mm,30 |
| 3 | C519 | 2301-000224 | C-FILM,PEF:22NF,5%,50V,7.4X3.9 | 3 | SG503 | AA27-00084A | COIL:S-23,S-23,5000Mohm MIN,8.0*8.5mm,30 |
| 3 | C520 | 2301-000224 | C-FILM,PEF:22NF,5%,50V,7.4X3.9 | 3 | SG504 | AA27-00084A | COIL:S-23,S-23,5000Mohm MIN,8.0*8.5mm,30 |
| 3 | C521 | 2301-000224 | C-FILM,PEF:22NF,5%,50V,7.4X3.9 | 3 | SG505 | AA27-00084A | COIL:S-23,S-23,5000Mohm MIN,8.0*8.5mm,30 |
| 3 | C522 | 2301-000224 | C-FILM,PEF:22NF,5%,50V,7.4X3.9 | 3 | CN501E | AA39-00225A | LEAD CONNECTOR ASSY:;10P,67096-010,S,600 |
| 3 | C523 | 2301-000224 | C-FILM,PEF:22NF,5%,50V,7.4X3.9 | 3 | GT507 | AA39-20010B | LEAD-CONNECTOR,ASSY:;YFH800-01,500MM,1P |
| 3 | CF05 | 2301-000261 | C-FILM,PEF:4.7NF,5%,100V,10.5X | 3 | GT508 | AA39-20010B | LEAD-CONNECTOR,ASSY:;YFH800-01,500MM,1P |
| 3 | CG02 | 2305-000149 | C-FILM:CF922N100VT104-J-40/105 | 3 | CN502E | AA39-20029K | LEAD-CONNECTOR,ASSY:;67096-007,S,7P,400 |
| 3 | C502 | 2305-000704 | C-M,POLYESTER:CFS922MTAPG250V1 | 3 | O3VER | AA41-00210D | PCB-CRT:CS29A6,FR-1,1L,D,1.6T,330x245, |
| 3 | C505 | 2305-000704 | C-M,POLYESTER:CFS922MTAPG250V1 | 3 | EY501 | AA60-40011A | EYELET;-ID2.0,OD2.8,-,BST |
| 3 | C508 | 2305-000704 | C-M,POLYESTER:CFS922MTAPG250V1 | 3 | EL82 | AA60-40011B | EYELET;-ID2.2,OD3.2,-,BSP |
| 3 | CF07 | 2305-000704 | C-M,POLYESTER:CFS922MTAPG250V1 | 3 | EL83 | AA60-40011B | EYELET;-ID2.2,OD3.2,-,BSP |
| 3 | C514 | 2401-000430 | C-ELECTROLYTIC:CE04WTAPG250V10 | 3 | EL84 | AA60-40011B | EYELET;-ID2.2,OD3.2,-,BSP |
| 3 | CG03 | 2401-000493 | C-AL:10UF,20%,50V,WT,5X11MM,5M | 3 | EL85 | AA60-40011B | EYELET;-ID2.2,OD3.2,-,BSP |
| 3 | CF14 | 2401-000832 | C-AL:220UF,20%,25V,GP,8X11MM,5 | 3 | EL86 | AA60-40011B | EYELET;-ID2.2,OD3.2,-,BSP |
| 3 | CG01 | 2401-000832 | C-AL:220UF,20%,25V,GP,8X11MM,5 | 3 | EL87 | AA60-40011B | EYELET;-ID2.2,OD3.2,-,BSP |
| 3 | CG04 | 2401-000832 | C-AL:220UF,20%,25V,GP,8X11MM,5 | 3 | EL88 | AA60-40011B | EYELET;-ID2.2,OD3.2,-,BSP |
| 3 | C512 | 2401-000914 | C-AL:22UF,20%,16V,GP,5X11.5,TP | 3 | EL89 | AA60-40011B | EYELET;-ID2.2,OD3.2,-,BSP |
| 3 | C515 | 2401-000914 | C-AL:22UF,20%,16V,GP,5X11.5,TP | 3 | EL90 | AA60-40011B | EYELET;-ID2.2,OD3.2,-,BSP |
| 3 | C526 | 2401-000914 | C-AL:22UF,20%,16V,GP,5X11.5,TP | 3 | EL91 | AA60-40011B | EYELET;-ID2.2,OD3.2,-,BSP |
| 3 | CF11 | 2401-000927 | C-AL:22UF,20%,250V,GP,13X20MM, | 3 | EL92 | AA60-40011B | EYELET;-ID2.2,OD3.2,-,BSP |
| 3 | C511 | 2401-001232 | C-AL:4.7UF,20%,250V,GP,10X12.5 | 3 | EL94 | AA60-40011B | EYELET;-ID2.2,OD3.2,-,BSP |
| 3 | C510 | 2401-001563 | C-AL:47uF,20%,400V,GP,TP,16x25mm,7.5 | 3 | GT504 | AA60-40014A | PIN-GT,ASSY:1P,-,AUTO |
| 3 | CF10 | 2401-001840 | C-AL:100UF,20%,16V,GP,TP,6.3X1 | 3 | GT505 | AA60-40014A | PIN-GT,ASSY:1P,-,AUTO |
| 3 | CF12 | 2401-001840 | C-AL:100UF,20%,16V,GP,TP,6.3X1 | 3 | GT507 | AA60-40014A | PIN-GT,ASSY:1P,-,AUTO |
| 3 | LF02 | 2701-000112 | INDUCTOR-AXIAL:100UH,10%,2.8X7 | 3 | GT508 | AA60-40014A | PIN-GT,ASSY:1P,-,AUTO |
| 3 | L501 | 2701-000178 | INDUCTOR-AXIAL:33UH,10%,2.8X7MM | 3 | BAND | AA63-10002A | BAND-TIE;-NYLON66V2,-,L100,NTR,- |
| 3 | L507 | 2701-000215 | INDUCTOR-AXIAL:8.2UH,10%,2.5X3.4MM | 3 | QF04 | AA96-00111A | ASSY-H/S;-;AA62-30013L,2SC2344,- |
| 3 | L503 | 2901-000297 | FILTER-EMI ON BOARD;-;3A,-,-,3.5x5,TP,- | 4 | | 0502-000153 | TR-POWER;2SC2344-D,NPN,180V,16 |
| 3 | L504 | 2901-000297 | FILTER-EMI ON BOARD;-;3A,-,-,3.5x5,TP,- | 4 | | 6003-000333 | SCREW-TAPTITE:RH,+;2S,M3,L10,ZPC(YEL),SW |
| 3 | LF04 | 2901-000297 | FILTER-EMI ON BOARD;-;3A,-,-,3.5x5,TP,- | 4 | | AA62-30013L | HEAT-SINK,ES;-A6063 EXTR,42/22,WHT |
| 3 | LF05 | 2901-000297 | FILTER-EMI ON BOARD;-;3A,-,-,3.5x5,TP,- | 3 | QF05 | AA96-00111B | ASSY-H/S;-;AA62-30013L,2SA1011,- |
| 3 | L505 | 3301-000287 | CORE-FERRITEBEAD:AA,3.5X1.0X6. | 4 | | 0502-000131 | TR-POWER:2SA1011-D,PNP,-180V,- |
| 3 | L506 | 3301-000287 | CORE-FERRITEBEAD:AA,3.5X1.0X6. | 4 | | 6003-000333 | SCREW-TAPTITE:RH,+;2S,M3,L10,ZPC(YEL),SW |
| 3 | LF01 | 3301-000287 | CORE-FERRITEBEAD:AA,3.5X1.0X6. | 4 | | AA62-30013L | HEAT-SINK,ES;-A6063 EXTR,42/22,WHT |
| 3 | VA999 | 3704-000114 | SOCKET CRT:14P,29.1.35.5SN,1SH09S/BK | 3 | IC501 | AA96-50151A | ASSY-H/S;-;TR,AA61-10060A,TDA61010,- |
| 3 | CN501A | 3711-002641 | POST-HEADER:67094-010(AUTO) | 3 | IC502 | AA96-50151A | ASSY-H/S;-;TR,AA61-10060A,TDA61010,- |
| 3 | CNF01 | 3711-002642 | POST-HEADER:67094-003(AUTO) | 3 | IC503 | AA96-50151A | ASSY-H/S;-;TR,AA61-10060A,TDA61010,- |
| 3 | CNG01 | 3711-002643 | POST-HEADER:YWO25-04(AUTO) | 4 | | 1201-000539 | IC-VIDEOAMP;6101,ZIP,9P,-,SING |
| 3 | CN502A | 3711-002646 | POST-HEADER:67094-007(AUTO) | 4 | | 6001-000057 | SCREW-MACHINE:RH,+;M3,L6,ZPC(BLK),SWRCH1 |
| 3 | JA501 | 3722-001503 | JACK-PIN:1P,1PI,NI,RED,SCR-JACK | 4 | | 6021-000154 | NUT-HEXAGON:2C,M3,ZPC(YEL),SM20C |
| 3 | J501 | 3812-000219 | JUMPER-WIRE-SO,COPPER:TAO.6SN/52M/M(A | 4 | | AA61-10060A | BRACKET-TR;-;PBP,-,T0.5,-,3220 |
| 3 | J503 | 3812-000219 | JUMPER-WIRE-SO,COPPER:TAO.6SN/52M/M(A | 2 | F+SH | AA63-00362A | FELT;W25XL8,T2.0,FELT,BLK. |
| 3 | J505 | 3812-000219 | JUMPER-WIRE-SO,COPPER:TAO.6SN/52M/M(A | | | | |
| 3 | J506 | 3812-000219 | JUMPER-WIRE-SO,COPPER:TAO.6SN/52M/M(A | | | | |
| 3 | J507 | 3812-000219 | JUMPER-WIRE-SO,COPPER:TAO.6SN/52M/M(A | | | | |
| 3 | J508 | 3812-000219 | JUMPER-WIRE-SO,COPPER:TAO.6SN/52M/M(A | | | | |
| 3 | J509 | 3812-000219 | JUMPER-WIRE-SO,COPPER:TAO.6SN/52M/M(A | | | | |
| 3 | J510 | 3812-000219 | JUMPER-WIRE-SO,COPPER:TAO.6SN/52M/M(A | | | | |
| 3 | J511 | 3812-000219 | JUMPER-WIRE-SO,COPPER:TAO.6SN/52M/M(A | | | | |
| 3 | J512 | 3812-000219 | JUMPER-WIRE-SO,COPPER:TAO.6SN/52M/M(A | | | | |
| 3 | J513 | 3812-000219 | JUMPER-WIRE-SO,COPPER:TAO.6SN/52M/M(A | | | | |
| 3 | J514 | 3812-000219 | JUMPER-WIRE-SO,COPPER:TAO.6SN/52M/M(A | | | | |
| 3 | J515 | 3812-000219 | JUMPER-WIRE-SO,COPPER:TAO.6SN/52M/M(A | | | | |
| 3 | J516 | 3812-000219 | JUMPER-WIRE-SO,COPPER:TAO.6SN/52M/M(A | | | | |
| 3 | J517 | 3812-000219 | JUMPER-WIRE-SO,COPPER:TAO.6SN/52M/M(A | | | | |
| 3 | J518 | 3812-000219 | JUMPER-WIRE-SO,COPPER:TAO.6SN/52M/M(A | | | | |
| 3 | J519 | 3812-000219 | JUMPER-WIRE-SO,COPPER:TAO.6SN/52M/M(A | | | | |
| 3 | J520 | 3812-000219 | JUMPER-WIRE-SO,COPPER:TAO.6SN/52M/M(A | | | | |
| 3 | J521 | 3812-000219 | JUMPER-WIRE-SO,COPPER:TAO.6SN/52M/M(A | | | | |
| 3 | J523 | 3812-000219 | JUMPER-WIRE-SO,COPPER:TAO.6SN/52M/M(A | | | | |
| 3 | J524 | 3812-000219 | JUMPER-WIRE-SO,COPPER:TAO.6SN/52M/M(A | | | | |
| 3 | J526 | 3812-000219 | JUMPER-WIRE-SO,COPPER:TAO.6SN/52M/M(A | | | | |
| 3 | J527 | 3812-000219 | JUMPER-WIRE-SO,COPPER:TAO.6SN/52M/M(A | | | | |
| 3 | J528 | 3812-000219 | JUMPER-WIRE-SO,COPPER:TAO.6SN/52M/M(A | | | | |
| 3 | J529 | 3812-000219 | JUMPER-WIRE-SO,COPPER:TAO.6SN/52M/M(A | | | | |
| 3 | J530 | 3812-000219 | JUMPER-WIRE-SO,COPPER:TAO.6SN/52M/M(A | | | | |
| 3 | J531 | 3812-000219 | JUMPER-WIRE-SO,COPPER:TAO.6SN/52M/M(A | | | | |
| 3 | JF01 | 3812-000219 | JUMPER-WIRE-SO,COPPER:TAO.6SN/52M/M(A | | | | |
| 3 | JF02 | 3812-000219 | JUMPER-WIRE-SO,COPPER:TAO.6SN/52M/M(A | | | | |
| 3 | JF03 | 3812-000219 | JUMPER-WIRE-SO,COPPER:TAO.6SN/52M/M(A | | | | |
| 3 | JF04 | 3812-000219 | JUMPER-WIRE-SO,COPPER:TAO.6SN/52M/M(A | | | | |
| 3 | JF05 | 3812-000219 | JUMPER-WIRE-SO,COPPER:TAO.6SN/52M/M(A | | | | |
| 3 | JF06 | 3812-000219 | JUMPER-WIRE-SO,COPPER:TAO.6SN/52M/M(A | | | | |
| 3 | JF07 | 3812-000219 | JUMPER-WIRE-SO,COPPER:TAO.6SN/52M/M(A | | | | |
| 3 | JG01 | 3812-000219 | JUMPER-WIRE-SO,COPPER:TAO.6SN/52M/M(A | | | | |
| 3 | SG501 | AA27-00084A | COIL:S-23,S-23,5000Mohm MIN,8.0*8.5mm,30 | | | | |
| 3 | SG502 | AA27-00084A | COIL:S-23,S-23,5000Mohm MIN,8.0*8.5mm,30 | | | | |
| 3 | SG503 | AA27-00084A | COIL:S-23,S-23,5000Mohm MIN,8.0*8.5mm,30 | | | | |
| 3 | SG504 | AA27-00084A | COIL:S-23,S-23,5000Mohm MIN,8.0*8.5mm,30 | | | | |
| 3 | SG505 | AA27-00084A | COIL:S-23,S-23,5000Mohm MIN,8.0*8.5mm,30 | | | | |
| 3 | CN501E | AA39-00225A | LEAD CONNECTOR ASSY:;10P,67096-010,S,600 | | | | |
| 3 | GT507 | AA39-20010B | LEAD-CONNECTOR,ASSY:;YFH800-01,500MM,1P | | | | |
| 3 | GT508 | AA39-20010B | LEAD-CONNECTOR,ASSY:;YFH800-01,500MM,1P | | | | |
| 3 | CN502E | AA39-20029K | LEAD-CONNECTOR,ASSY:;67096-007,S,7P,400 | | | | |
| 3 | O3VER | AA41-00210D | PCB-CRT:CS29A6,FR-1,1L,D,1.6T,330x245, | | | | |
| 3 | EY501 | AA60-40011A | EYELET;-ID2.0,OD2.8,-,BST | | | | |
| 3 | EL82 | AA60-40011B | EYELET;-ID2.2,OD3.2,-,BSP | | | | |
| 3 | EL83 | AA60-40011B | EYELET;-ID2.2,OD3.2,-,BSP | | | | |
| 3 | EL84 | AA60-40011B | EYELET;-ID2.2,OD3.2,-,BSP | | | | |
| 3 | EL85 | AA60-40011B | EYELET;-ID2.2,OD3.2,-,BSP | | | | |
| 3 | EL86 | AA60-40011B | EYELET;-ID2.2,OD3.2,-,BSP | | | | |
| 3 | EL87 | AA60-40011B | EYELET;-ID2.2,OD3.2,-,BSP | | | | |
| 3 | EL88 | AA60-40011B | EYELET;-ID2.2,OD3.2,-,BSP | | | | |
| 3 | EL89 | AA60-40011B | EYELET;-ID2.2,OD3.2,-,BSP | | | | |
| 3 | EL90 | AA60-40011B | EYELET;-ID2.2,OD3.2,-,BSP | | | | |
| 3 | EL91 | AA60-40011B | EYELET;-ID2.2,OD3.2,-,BSP | | | | |
| 3 | EL92 | AA60-40011B | EYELET;-ID2.2,OD3.2,-,BSP | | | | |
| 3 | EL94 | AA60-40011B | EYELET;-ID2.2,OD3.2,-,BSP | | | | |
| 3 | GT504 | AA60-40014A | PIN-GT,ASSY:1P,-,AUTO | | | | |
| 3 | GT505 | AA60-40014A | PIN-GT,ASSY:1P,-,AUTO | | | | |
| 3 | GT507 | AA60-40014A | PIN-GT,ASSY:1P,-,AUTO | | | | |
| 3 | GT508 | AA60-40014A | PIN-GT,ASSY:1P,-,AUTO | | | | |
| 3 | BAND | AA63-10002A | BAND-TIE;-NYLON66V2,-,L100,NTR,- | | | | |
| 3 | QF04 | AA96-00111A | ASSY-H/S;-;AA62-30013L,2SC2344,- | | | | |
| 4 | | 0502-000153 | TR-POWER;2SC2344-D,NPN,180V,16 | | | | |
| 4 | | 6003-000333 | SCREW-TAPTITE:RH,+;2S,M3,L10,ZPC(YEL),SW | | | | |
| 4 | | AA62-30013L | HEAT-SINK,ES;-A6063 EXTR,42/22,WHT | | | | |
| 3 | QF05 | AA96-00111B | ASSY-H/S;-;AA62-30013L,2SA1011,- | | | | |
| 4 | | 0502-000131 | TR-POWER:2SA1011-D,PNP,-180V,- | | | | |
| 4 | | 6003-000333 | SCREW-TAPTITE:RH,+;2S,M3,L10,ZPC(YEL),SW | | | | |
| 4 | | AA62-30013L | HEAT-SINK,ES;-A6063 EXTR,42/22,WHT | | | | |
| 3 | IC501 | AA96-50151A | ASSY-H/S;-;TR,AA61-10060A,TDA61010,- | | | | |
| 3 | IC502 | AA96-50151A | ASSY-H/S;-;TR,AA61-10060A,TDA61010,- | | | | |
| 3 | IC503 | AA96-50151A | ASSY-H/S;-;TR,AA61-10060A,TDA61010,- | | | | |
| 4 | | 1201-000539 | IC-VIDEOAMP;6101,ZIP,9P,-,SING | | | | |
| 4 | | 6001-000057 | SCREW-MACHINE:RH,+;M3,L6,ZPC(BLK),SWRCH1 | | | | |
| 4 | | 6021-000154 | NUT-HEXAGON:2C,M3,ZPC(YEL),SM20C | | | | |
| 4 | | AA61-10060A | BRACKET-TR;-;PBP,-,T0.5,-,3220 | | | | |
| 2 | F+SH | AA63-00362A | FELT;W25XL8,T2.0,FELT,BLK. | | | | |

ASSY-COVER;REAR

| | | | |
|---|--------|-------------|--|
| 1 | A/REAR | AA90-03281A | ASSY-COVER;REAR:KS3A,29K7,HIPS,VO,BLK,US |
| 2 | CB+CF | 6003-001026 | SCREW-TAPTITE:RH,+;B,M4,L15,ZPC(BLK),SWR |
| 2 | TER+RC | 6003-001026 | SCREW-TAPTITE:RH,+;B,M4,L15,ZPC(BLK),SWR |
| 2 | SBS | AA60-00091J | SPACER-FELT;-FELT,330X10,-,BLK,TO.5,- |
| 2 | SBT | AA60-00091J | SPACER-FELT;-FELT,330X10,-,BLK,TO.5,- |
| 2 | B/C | AA64-02543A | CABINET-BACK,29K7,HIPS,VO,BLK |
| 2 | AC+BC | AA65-30008A | CLAMP-CORD;-;PE,HB,BLK,- |
| 2 | H/T | AA61-00356B | HOLDER-TUNER,F/JACK;-;501F,ABS,HB,BLK,- |

ASSY-COVER;FRONT

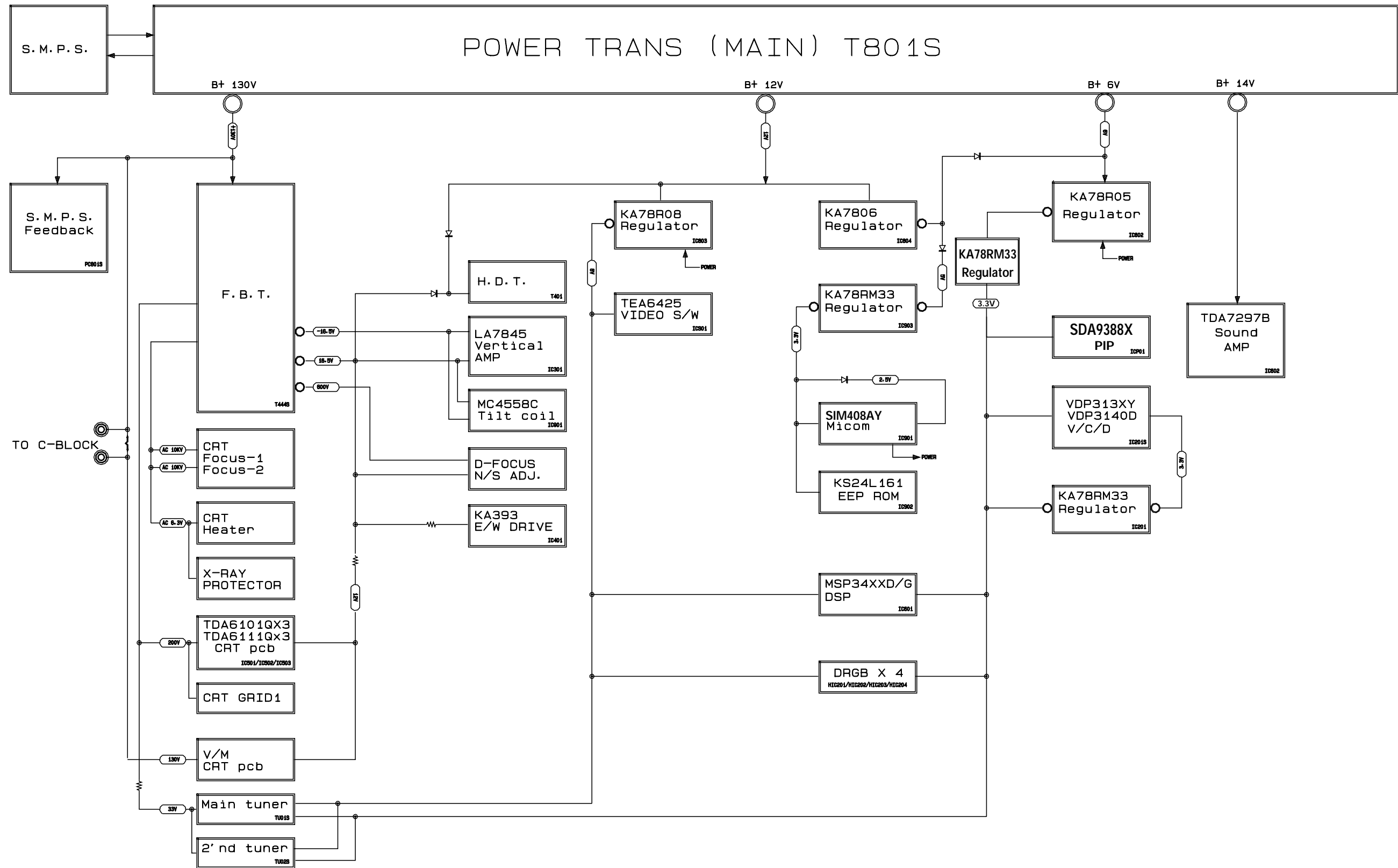
| | | | |
|---|--------|-------------|--|
| 1 | A/CFRN | AA90-03266A | ASSY-COVER;FRONT:KS3A,29K7,HIPS,VO,BLK |
| 2 | AV+CF | 6006-001095 | SCREW-ASSY YAPT;WP,BH,+;M4,L12,ZPC(YEL) |
| 2 | SPK+CF | 6003-001026 | SCREW-TAPTITE:RH,+;B,M4,L15,ZPC(BLK),SWR |
| 2 | CRT+CF | AA60-10050V | SCREW-ASSY-WC,HH,+;M6,L30,SWRCH18A,ZPC(S |
| 2 | BCR | AA61-10054A | BRACKET-CRATER;-;STS304,-,T0.5 |
| 2 | STOPPE | AA61-40113A | STOPPER-PCB;-;ABS,HB,NTR. |
| 2 | BADGE | AA64-70117B | BADGE-BRAND;AL,SS,R2000,25,SILVER CT-633 |
| 2 | CWFCR | AA65-00011C | CLAMP-WIRE;ALL MODEL,NYLON 66,V2,NTR,25M |
| 2 | CWFCL | AA65-30105A | CLAMP-WIRE;NYLON 66N,VO,NTR,15MM |
| 2 | L/QMS | AA68-02391A | LABEL-QMS;ART-PAPER(90)G,110x24mm |
| 2 | SPK | 3001-000274 | SPEAKER-GENERAL;5W8OHM100X50MM |
| 2 | L/IND | AA68-00524A | LABEL-INDICATOR;A/P 90(G),CXJ1352X/XAA,U |
| 2 | S/CRT | AA61-0100 | |

| Loc. No. | Code No. | Description ; Specification | Remark | Loc. No. | Code No. | Description ; Specification | Remark |
|------------------------|----------|-----------------------------|--|--|----------|-----------------------------|--------|
| 2 | C-BLOC | AA26-00069A | TRANS FBT:FUJ-29C002C(S),DREAM3,4,-,-,-, | | | | |
| 2 | HB+CBK | AA60-10008A | SCREW-TAPPING:-,TH,+,M3,L10,ZP | | | | |
| 2 | L/SPK | AA39-00102M | LEAD-CONNECTOR,ASSY;4P;35155-0400,REC,80 | | | | |
| 2 | A/A-V | AA96-00960A | ASSY-PCB;A/V FRONT;KS3A,29 | | | | |
| 3 | BAND | AA63-10002A | BAND-TIE:-,NYLON66V2,-,-,L100,NTR,-,- | | | | |
| 3 | CN01A | AA39-20068E | LEAD CONNECTOR-ASSY:-,YBNH025-08,67096-0 | | | | |
| 3 | CN05A | AA39-20069D | LEAD-CONNECTOR,ASSY:-,YBNH025- | | | | |
| 3 | CN06A | AA39-00070A | LEAD CONNECTOR-ASSY;4P;200mm,YBNH250-04, | | | | |
| 3 | JE01 | 3722-000143 | JACKHONE;1P;3.4MM,-,MBAG | | | | |
| 3 | JR01 | 3722-001031 | JACK-RCA;3P;3.6MM,#18,AU | | | | |
| 3 | O2VER | AA41-10358C | PCB-FRONT AV;CHASSIS-ALL,FR-1,1L,C,1.6T, | | | | |
| 3 | CA02 | 2202-000121 | C-CERAMIC,MLC-AXIAL;100PF,10%, | | | | |
| 3 | CA03 | 2202-000121 | C-CERAMIC,MLC-AXIAL;100PF,10%, | | | | |
| 3 | CA04 | 2202-000720 | C-CERAMIC,MLC-AXIAL;8.2nF,20%,16V,Y5R,TP | | | | |
| 3 | CA05 | 2202-000720 | C-CERAMIC,MLC-AXIAL;8.2nF,20%,16V,Y5R,TP | | | | |
| 3 | LA02 | 3812-000219 | JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A | | | | |
| 3 | LA03 | 3812-000219 | JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A | | | | |
| 3 | LA04 | 2701-000180 | INDUCTOR-AXIAL;33UH,5%,2.5X3.4 | | | | |
| 3 | LA05 | 2701-000180 | INDUCTOR-AXIAL;33UH,5%,2.5X3.4 | | | | |
| 3 | RA01 | 2001-000028 | R-CARBON(S);100OHM,5%,1/2W,AB, | | | | |
| 3 | RA02 | 2001-000028 | R-CARBON(S);100OHM,5%,1/2W,AB, | | | | |
| 3 | CA06 | 2401-003102 | C-AL;100uF,20%,10V,GP,TP;5x11,5 | | | | |
| 3 | CA07 | 2401-003102 | C-AL;100uF,20%,10V,GP,TP;5x11,5 | | | | |
| 2 | S/CRT | AA60-00038A | SPACER-CRT;PS,SHEET,T1.0,BLK,OD22,ID10. | | | | |
| 2 | F/C | AA64-02959A | CABINET-FRONT;29K7,HIPS,VO,BLK,DG703PSE | | | | |
| 3 | KP | AA64-02544A | KNOB-POWER;29K7,ABS,HB,G3676 | | | | |
| 3 | KC | AA64-02546A | KNOB-CONTROL;29K7,ABS,HB,G3676 | | | | |
| 3 | WR | AA64-02548A | WINDOW-RMC,LED;29K7,PC,CLR | | | | |
| 3 | SPRING | AA61-60003J | SPRING-CS;-,-,SUS304,0.5,OD6,H | | | | |
| 3 | KC+CF | 6003-001019 | SCREW-TAPTITE;RH,+,B,M4,L12,ZPC(BLK),SWR | | | | |
| 3 | WR+CF | 6003-001019 | SCREW-TAPTITE;RH,+,B,M4,L12,ZPC(BLK),SWR | | | | |
| 2 | BCR+CF | 6002-000522 | SCREW-TAPPING;TH,+,2,M4,L15,ZP | | | | |
| ASSY-ACCESSORY | | | | | | | |
| 1 | A/ACCE | AA92-05575A | ASSY-ACCESSORY;KS3A,27,SEA | | | | |
| 2 | AC-TAP | 0203-001279 | TAPE-OPP MASKING;#232,T0.14,W15,L50000,Y | | | | |
| 2 | BATT | 4301-000120 | BATTERY-MN;1.5V,-,AA | | | | |
| 2 | C/RCA | AA39-40001B | PATCH-CORD;3P-3P1500MMRED,WHT,YEL,500 | | | | |
| 2 | RMT | AA59-10113H | REMOCON;DPTM59,-,-,-,-,AA59-10110H, | | | | |
| 2 | C/WARR | AA68-01433A | CARD WARRANTY;TV/TVCR,ALL,W/P100(G),B5, | | | | |
| 2 | B/WARR | AA68-01561A | CARD WARRANTY;BLOCK,STATEMENT ONLY,SEA/S | | | | |
| 2 | I/B | AA68-02463A | MANUAL-USERS;ENG,W/P100(G),B5,60P;KS3A | | | | |
| 2 | C/REG | AA68-01969A | CARD-REGISTRATION PRODUCT,W/P120(G),SEA | | | | |
| 2 | BAG-PE | AA69-01195A | BAG PE;CL29A6W8X,HDPETO.012,93/4X151 | | | | |
| ASSY-BOX | | | | | | | |
| 1 | A/BOX | AA92-05516A | ASSY-BOX;KS3A,29K7,SEA/SECA | | | | |
| 2 | L/BOX | AA68-01542A | LABEL;(UNIBOX),PAPER WHT ALLMD | | | | |
| 2 | PCK | AA69-00063A | PACKING-CASE;29K7(SAMEX),D-3 AB,A1,750,6 | | | | |
| ASSY-P/MATERIAL | | | | | | | |
| 1 | A/PACK | AA92-05517A | ASSY-P/MATERIAL;KS3A,29K7,SEA/SECA | | | | |
| 2 | BXTAPE | 0203-001295 | TAPE-OPP MASKING;1242,T0.06,W100,L91.4M, | | | | |
| 2 | STAPLE | AA60-40006A | PIN-STAPLE;-,-,-,H18,33X17.8X2 | | | | |
| 2 | C/SET | AA69-01564A | CUSHION-SET;29K7,PS FOAMED,C=0.02 | | | | |
| 2 | PE-BAG | AA69-01209A | BAG;SHEET,25-27,W54,L60,FOAM,OEM. | | | | |
| ASSY CPT | | | | | | | |
| 1 | A/CPT | AA91-01356A | ASSY CPT;TXL2791FX/XAA | | | | |
| △ | 2 | CRT | AA03-00360A | CRT COLOR;A68QCP891X100(M),+380MG,1.11MH | | | |
| | 2 | D-COIL | AA27-20002Q | COILDEGAUSSING;-,-,29,140HM,70T | | | |
| | 2 | CDCOIL | AA65-30017A | CLAMP-D,COIL:-,NYLON-66,VO,NTR,DADH300,2 | | | |
| | 2 | CDCOIL | AA65-30113A | CLAMP-D,COIL;NYLON66,V2,BLK,TVI25-29,- | | | |
| | 2 | A/TBC | AA98-70011A | ASSY-TBC,WIRE(P):-,-,29,NTSC,PAL,2P | | | |
| ASSY-LABEL | | | | | | | |
| 1 | A/LABE | AA92-05443A | ASSY-LABEL;KS3A,27,SEA | | | | |
| 2 | INLAYB | AA64-00892F | INLAY BACK;D2,D3,RCA9P+DVD,PS SHEET,T0.3 | | | | |
| 2 | L/RAT | AA68-02445A | LABEL-RATING;ART-PAPER;60X90MM,V17A,77HN | | | | |
| 2 | L/CRT | AA68-01557A | LABEL ENERGY;STAR,STATIC FREE FILM | | | | |
| 2 | L/SET | AA68-50394T | LABEL-D.H.H.S;TSK2792FX/XAA,A/P120(G):-, | | | | |

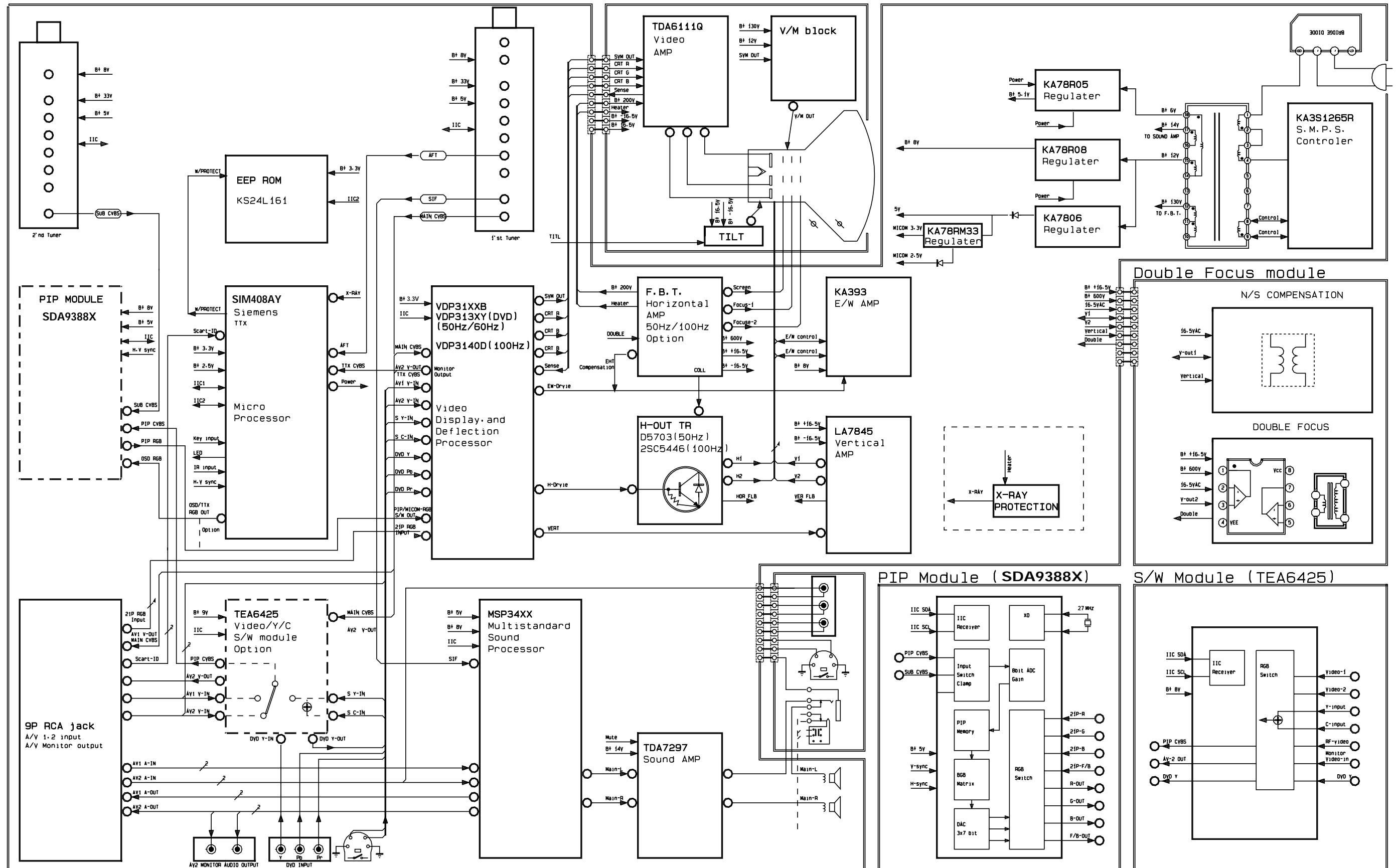
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8. Block Diagrams

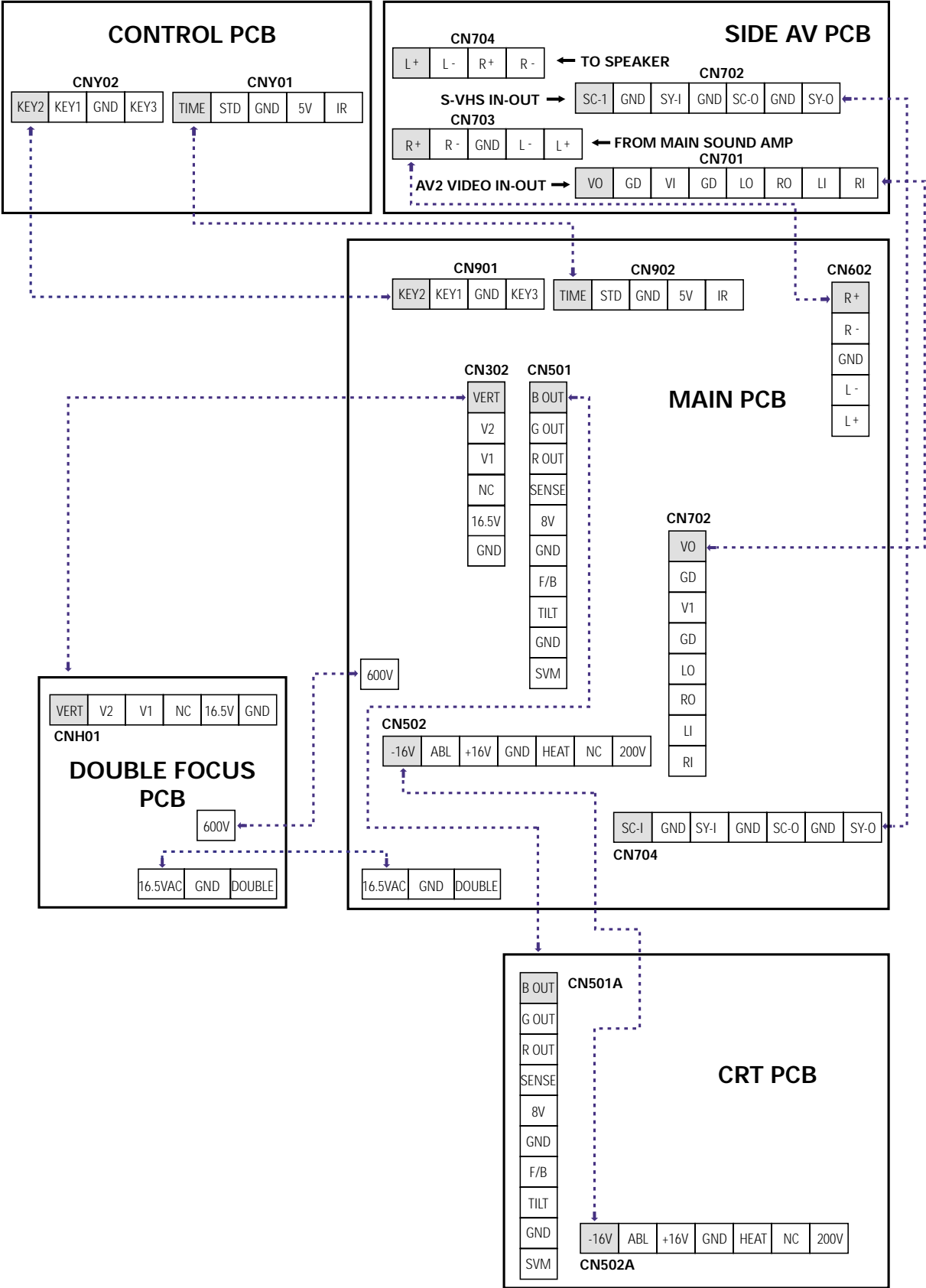
8-1 Power Diagram



8-2 Block Diagram



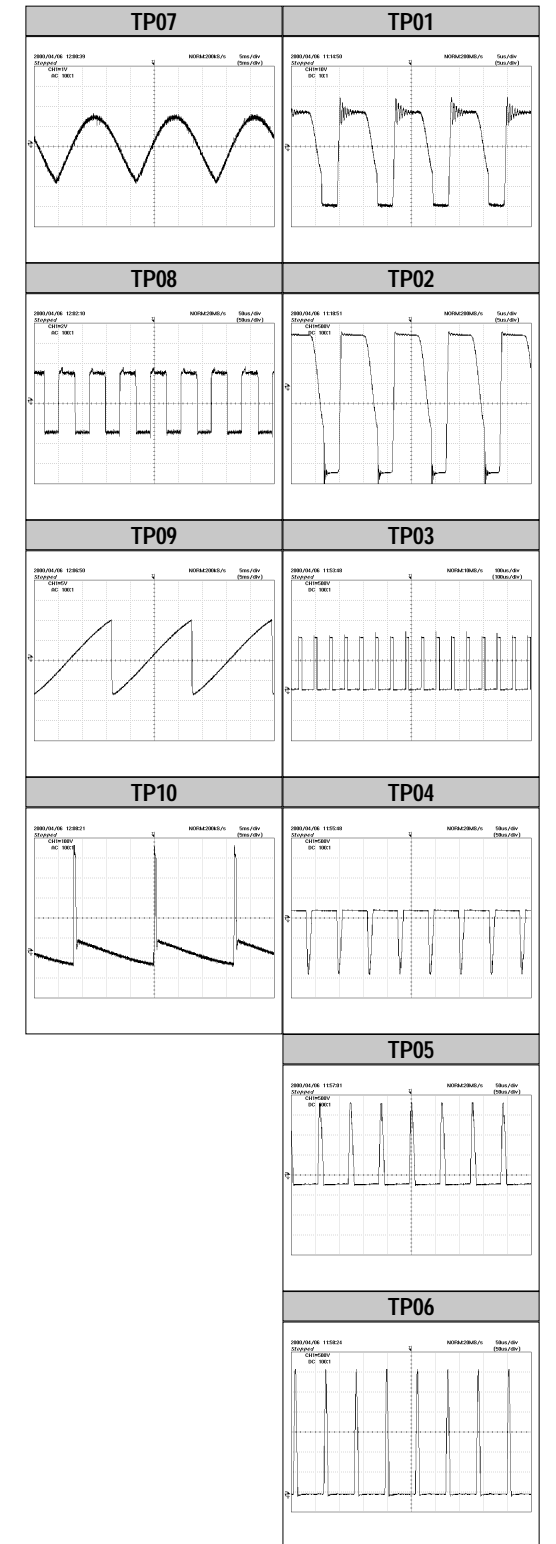
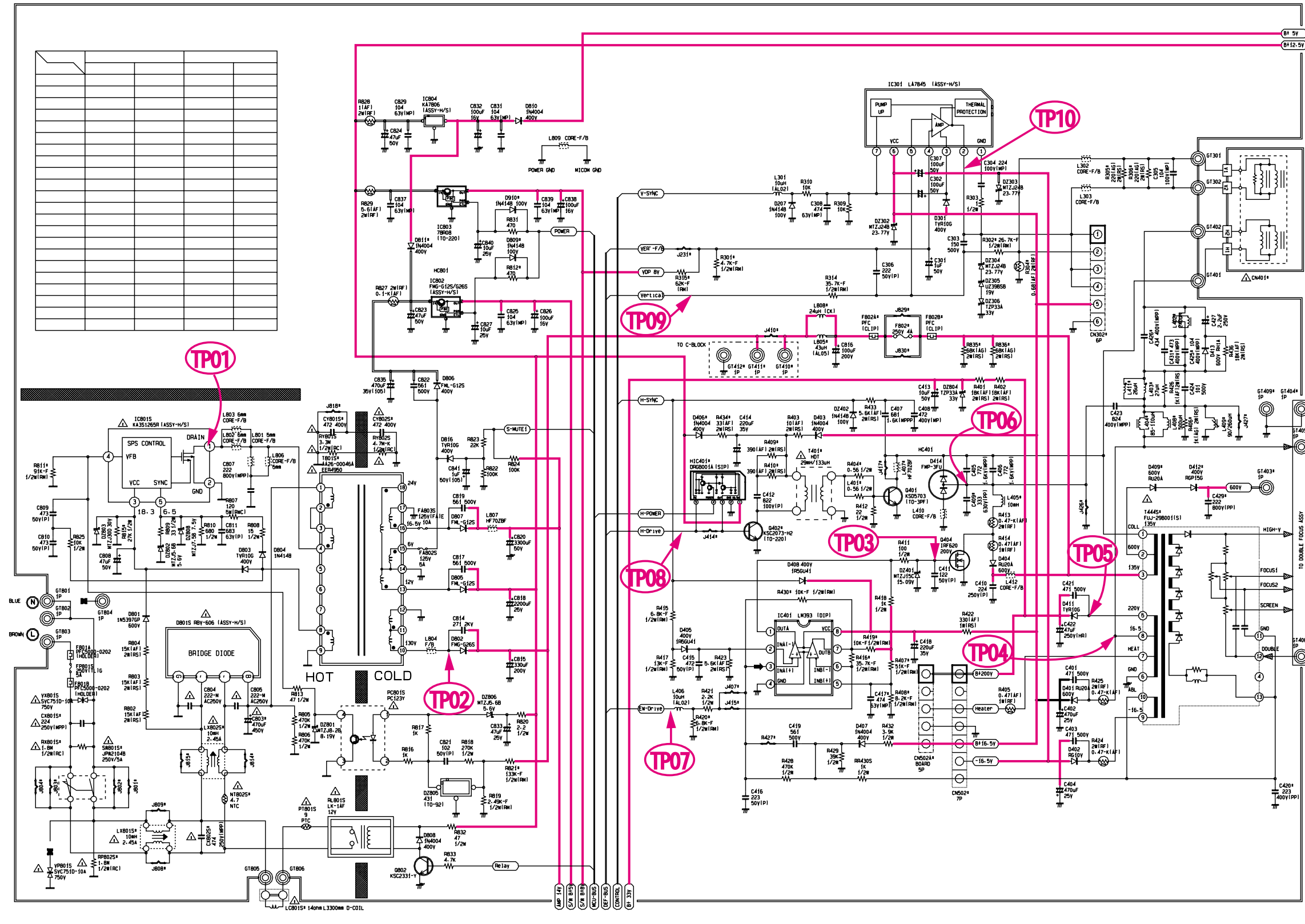
9. Wiring Diagram



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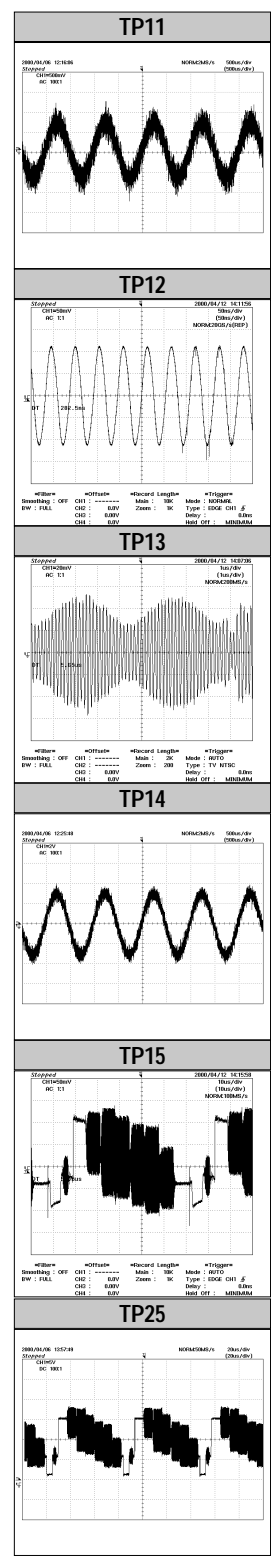
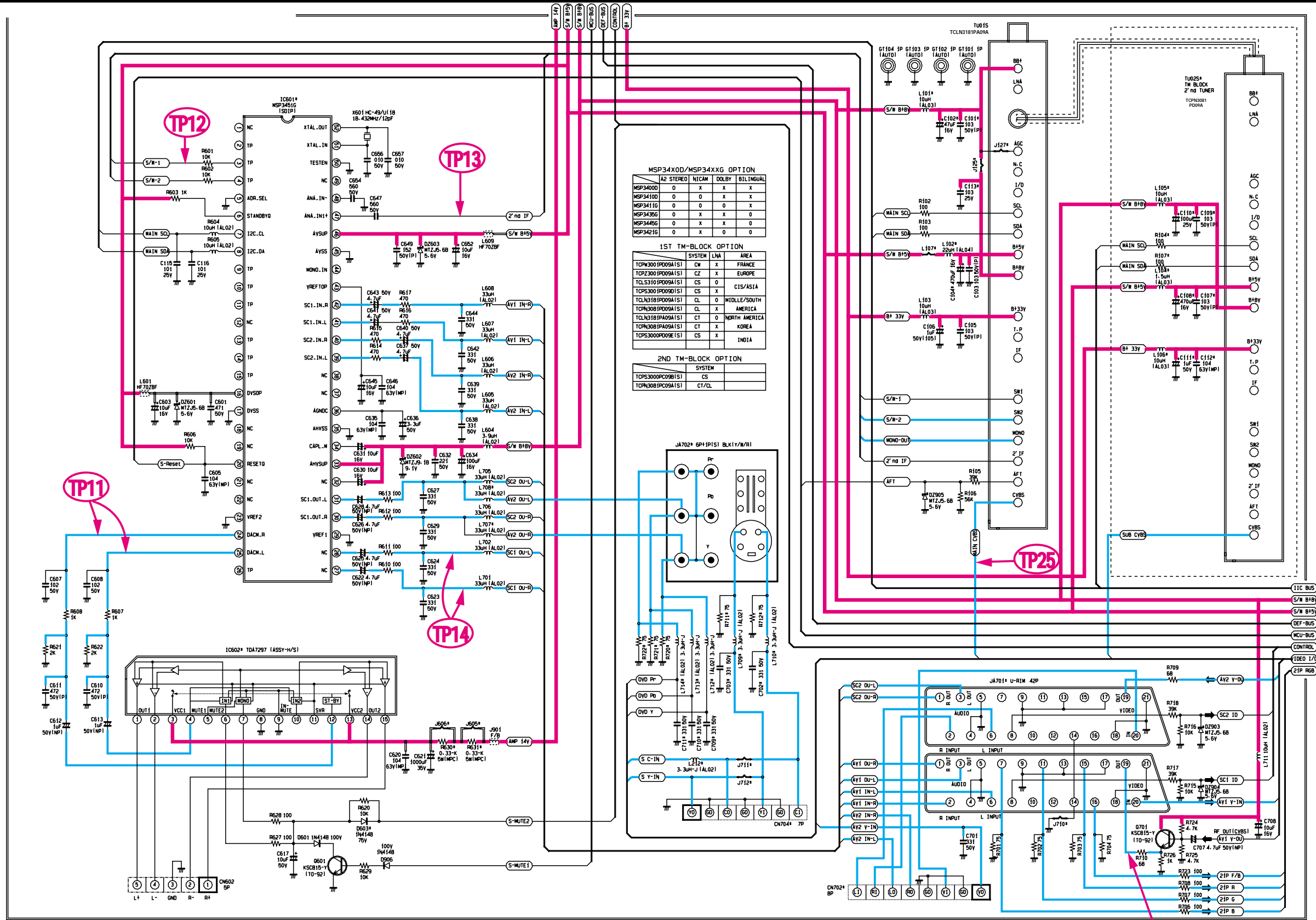
10. Schematic Diagrams

10-1 MAIN 1



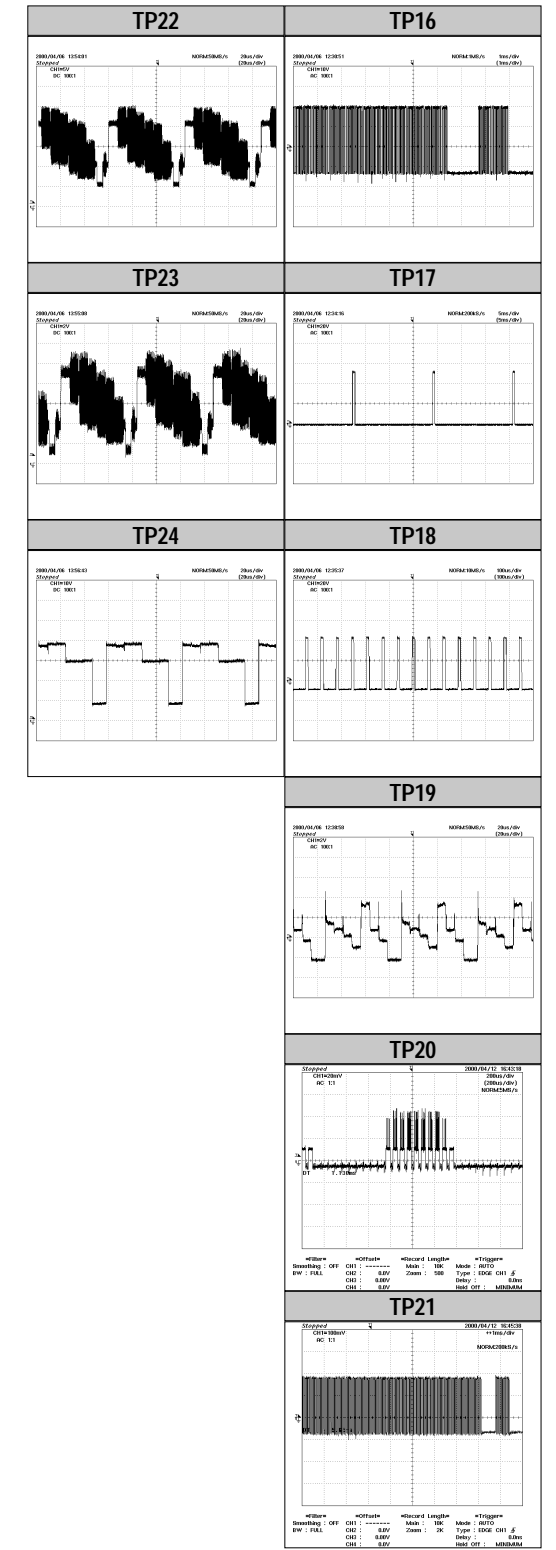
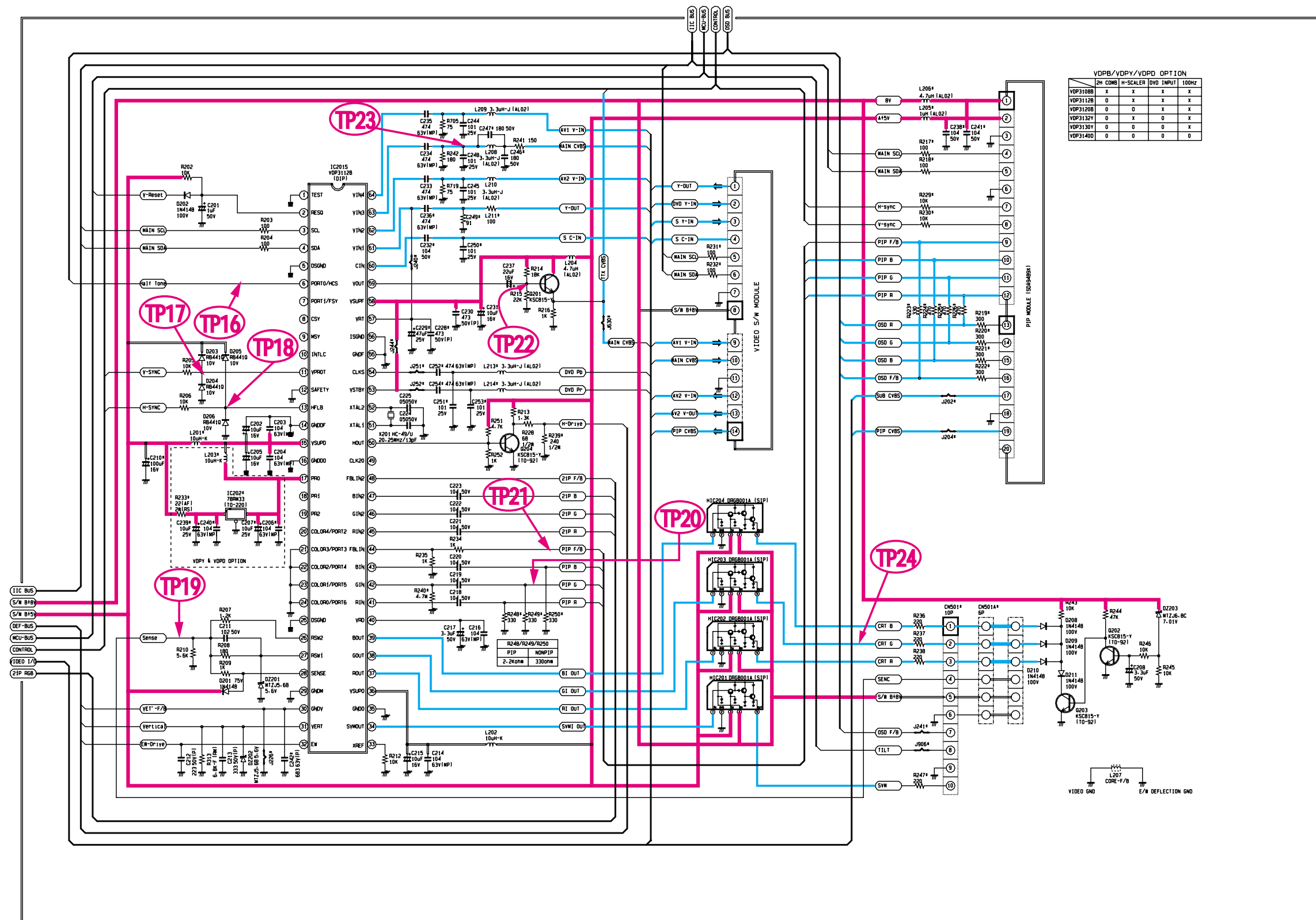
— : Power Line
 — : Signal Line

10-2 MAIN 2

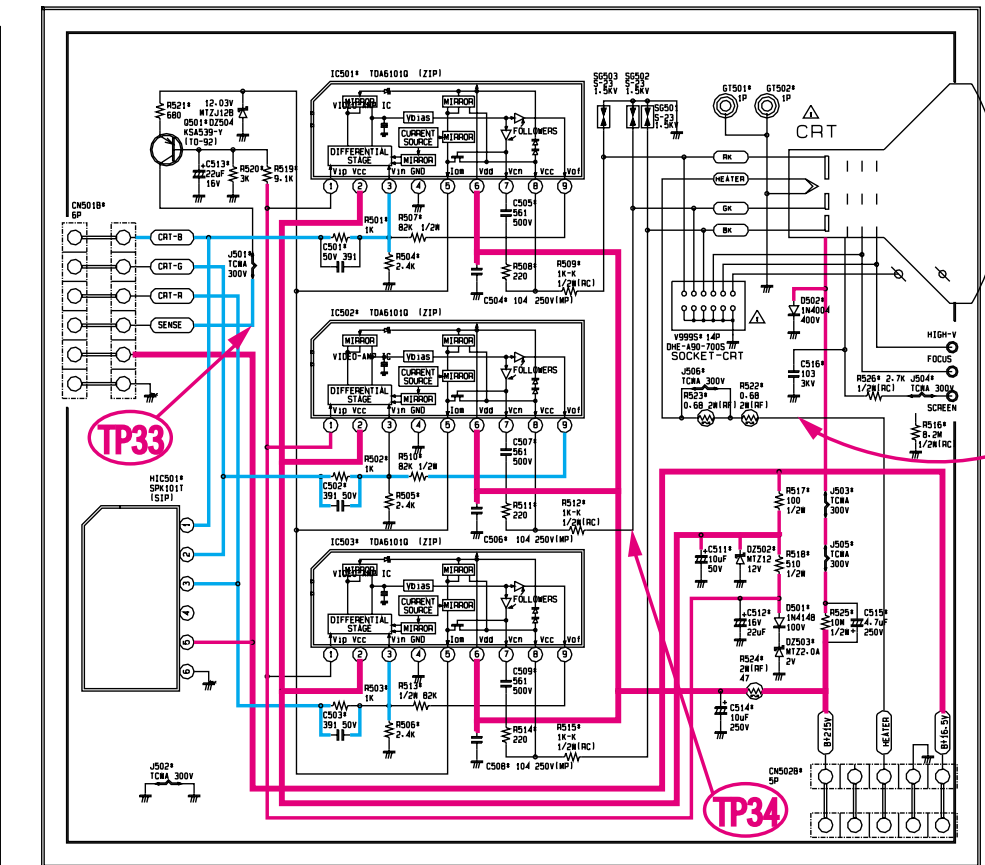
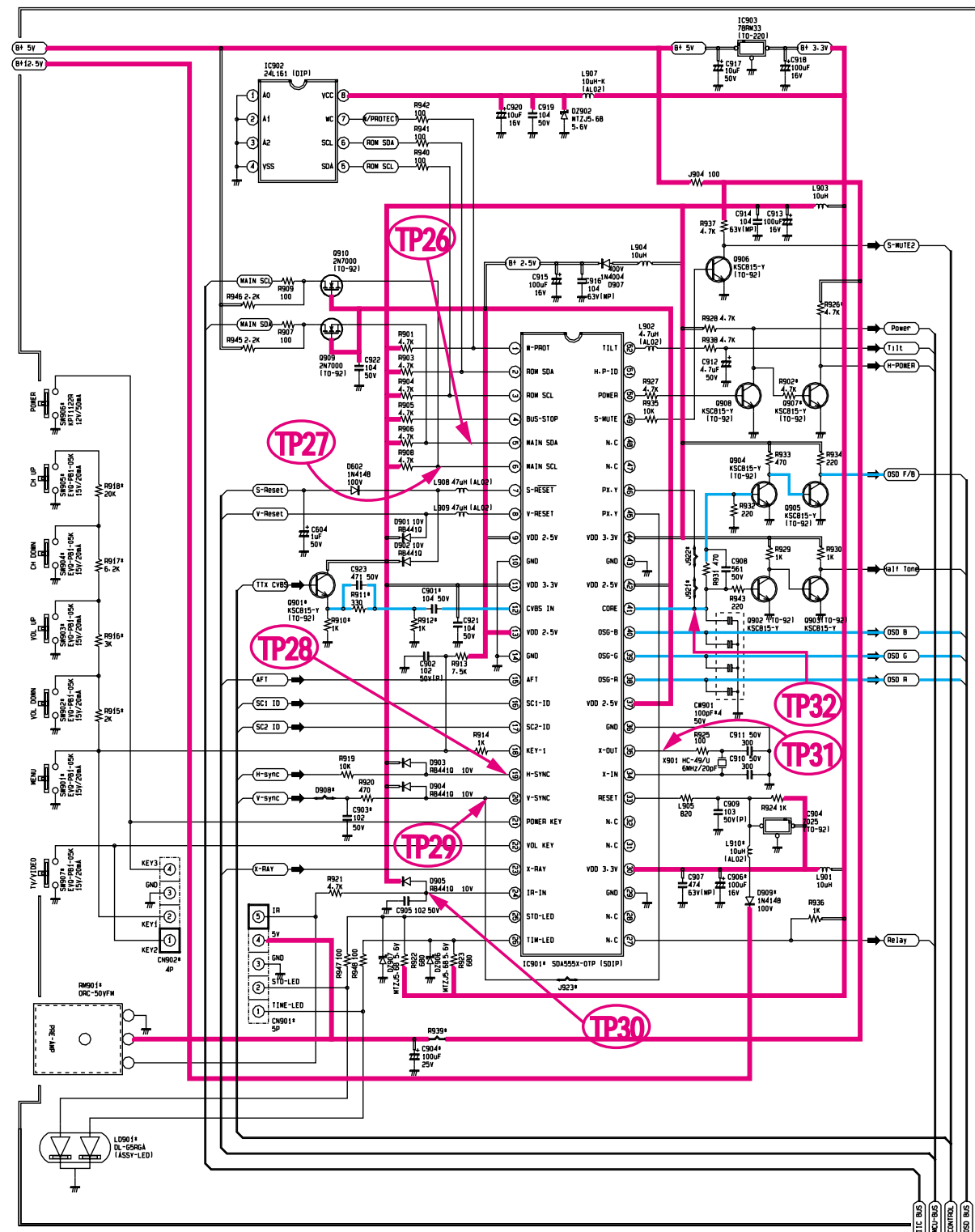


Power Line
Signal Line

10-3 MAIN3



10-4 MAIN 4



KS3A MAIN SCHEMATIC DIAGRAM

| CAPACITOR | |
|----------------------|---------|
| Ceramic - SL | No Mark |
| Ceramic - RH | (RM) |
| Ceramic - CH | (CM) |
| Polyester/Inductl | (CP) |
| Polyester/Noninductl | (PM) |
| Polypropylene | (PP) |
| Metal Polyester | (MP) |
| M. P. Polypropylene | (MPP) |
| Tantalum | (T) |
| Non Polar | (NP) |

| RESISTOR | |
|-------------|---------|
| Carbon | No Mark |
| Composition | (CR) |
| Metal Oxide | (OR) |
| Metal Film | (FR) |
| Fusible | (F) |
| Cement-Wire | (WR) |
| Network | (NR) |

NOTE

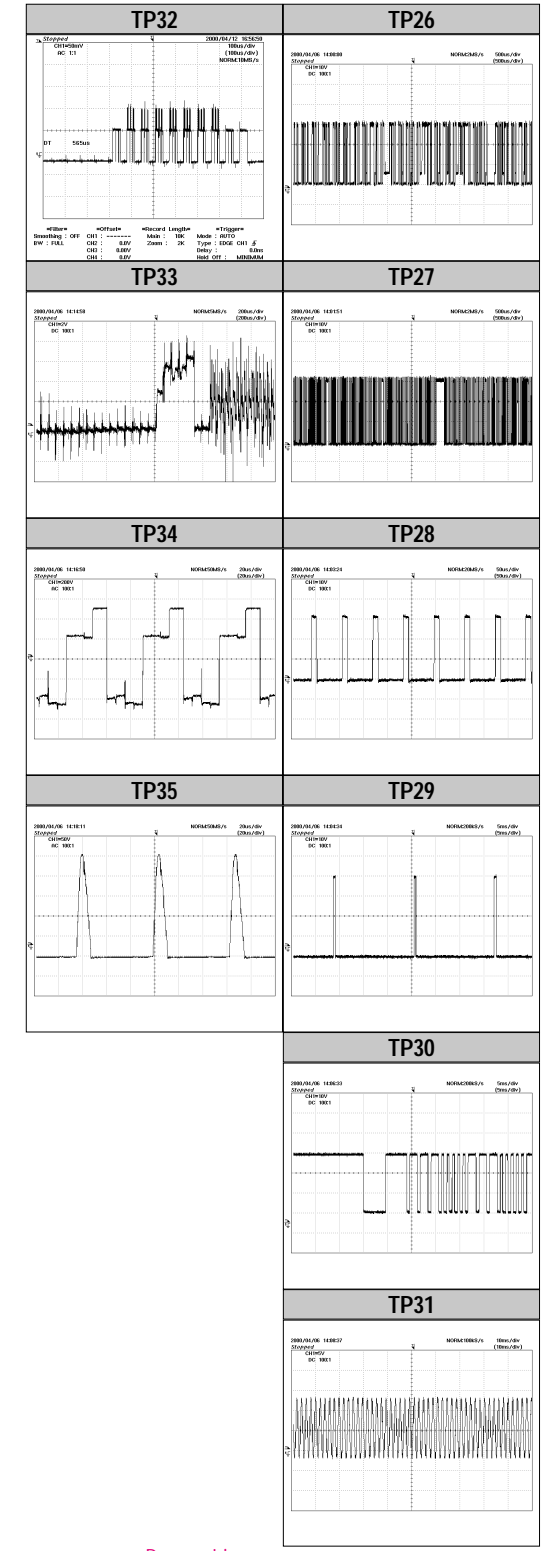
1. Resistance is shown in one K=1,000 M=1,000,000
2. Unless otherwise noted in schematic all capacitor values less than 1 are expressed in μ F, and the values more than 1 in μ F.
3. Unless otherwise noted in schematic all inductor values more than 1 are expressed in μ H.
4. Voltage reads with v.t.v.m (input impedance 21 M Ω /all range) from point indicated to chassis ground using a color bar signal with all controls at normal line voltage 100 volts.
5. Waveforms in chrominance circuit are taken receiving a color bar signal with enough sensitivity.
6. Waveforms in other circuit are taken using an signal under normal receiving conditions.
7. Voltage readings shown are normal values and may vary 20% except H.V.
8. This is fundamental circuit diagram some production changes may be made without revision of the diagram.
9. The circuits enclose in dotted lines are optional parts. (O)

WARNING BEFORE SERVICING THIS CHASSIS READ THE "X-RAY RADIATION PRECAUTION" "SAFETY PRECAUTION" AND "PRODUCT SAFETY NOTICE" IN MANUAL.

CAUTION The shaded area in the schematic diagram and the parts list designate components which have special characteristics important for safety and should be replaced only with types identical to those in the original circuit of specified in the parts list. Before replacing any of these components, read carefully the "PRODUCT SAFETY NOTICE" in this manual. Do not degrade the safety of the receiver through improper servicing.

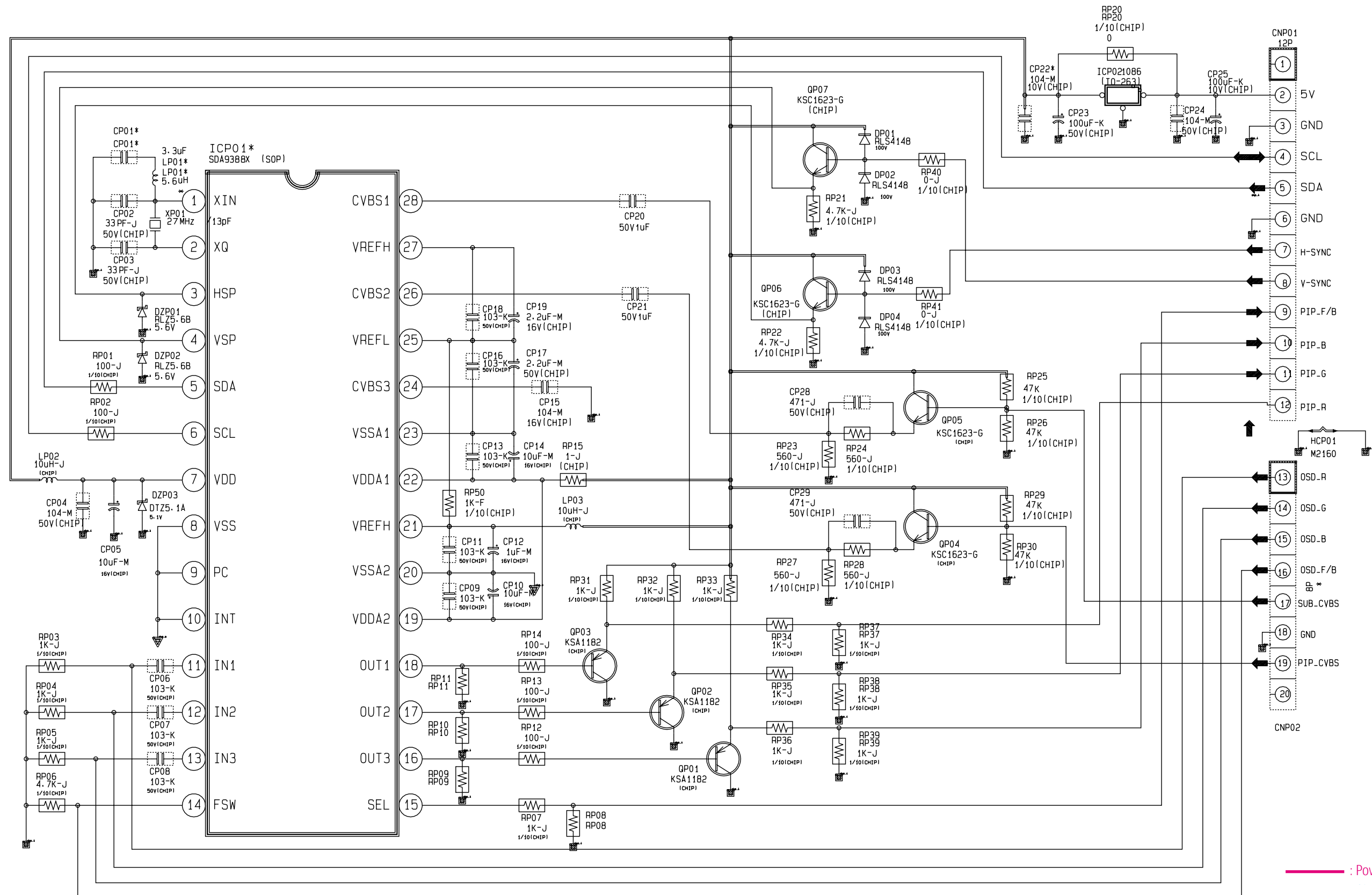
FILE NAME * MAIN

| JOB-NO | TEAM | NODE | DESIGN | OPER | EDIT |
|--------|------|------|--------|------|------------|
| Dream | KS3A | NC7 | Y-K | KJM | 2000/06/22 |



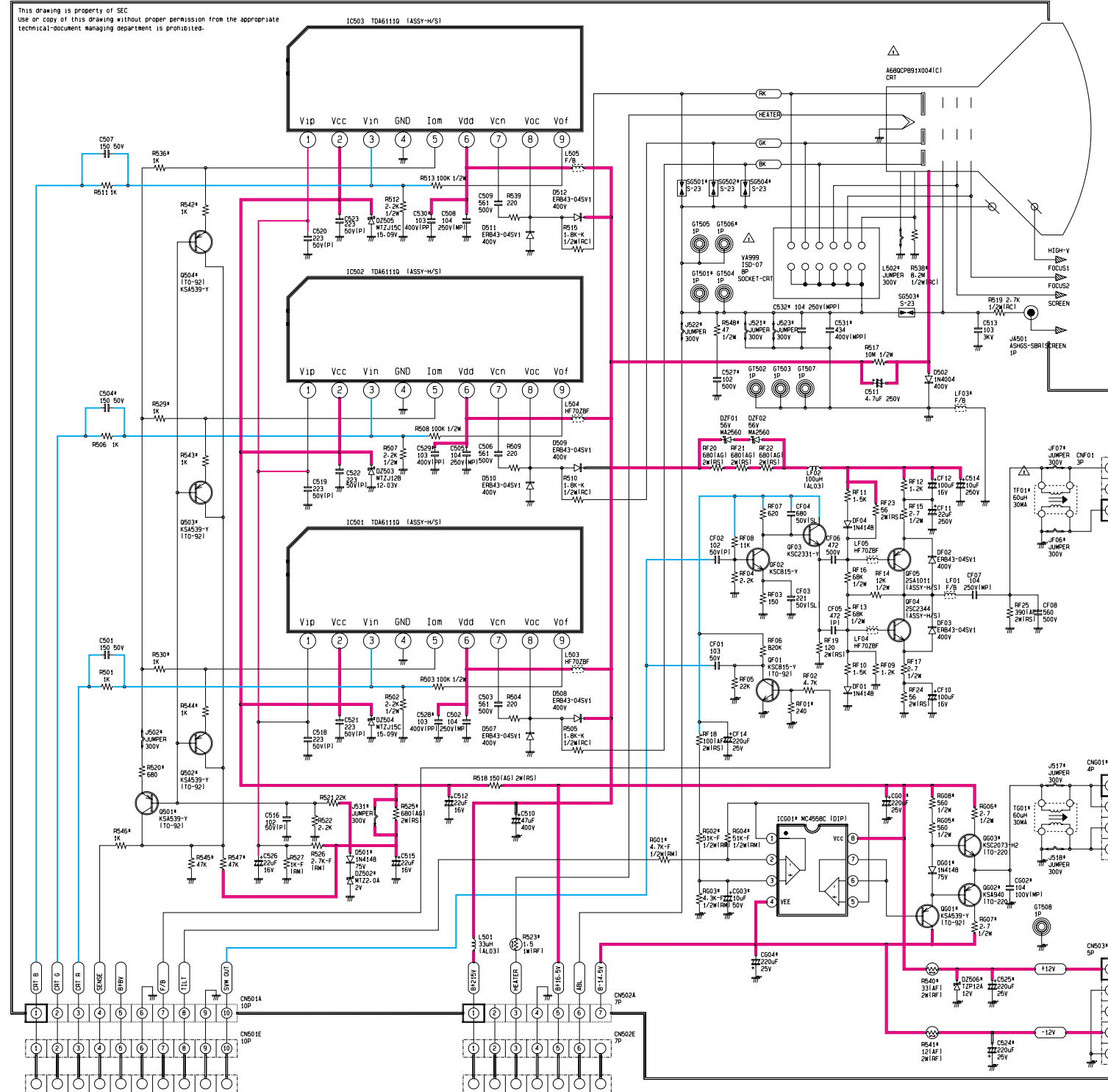
— : Power Line
 — : Signal Line

10-5 PIP



10-6 CRT, SWITCH

CRT



SWITCH

