

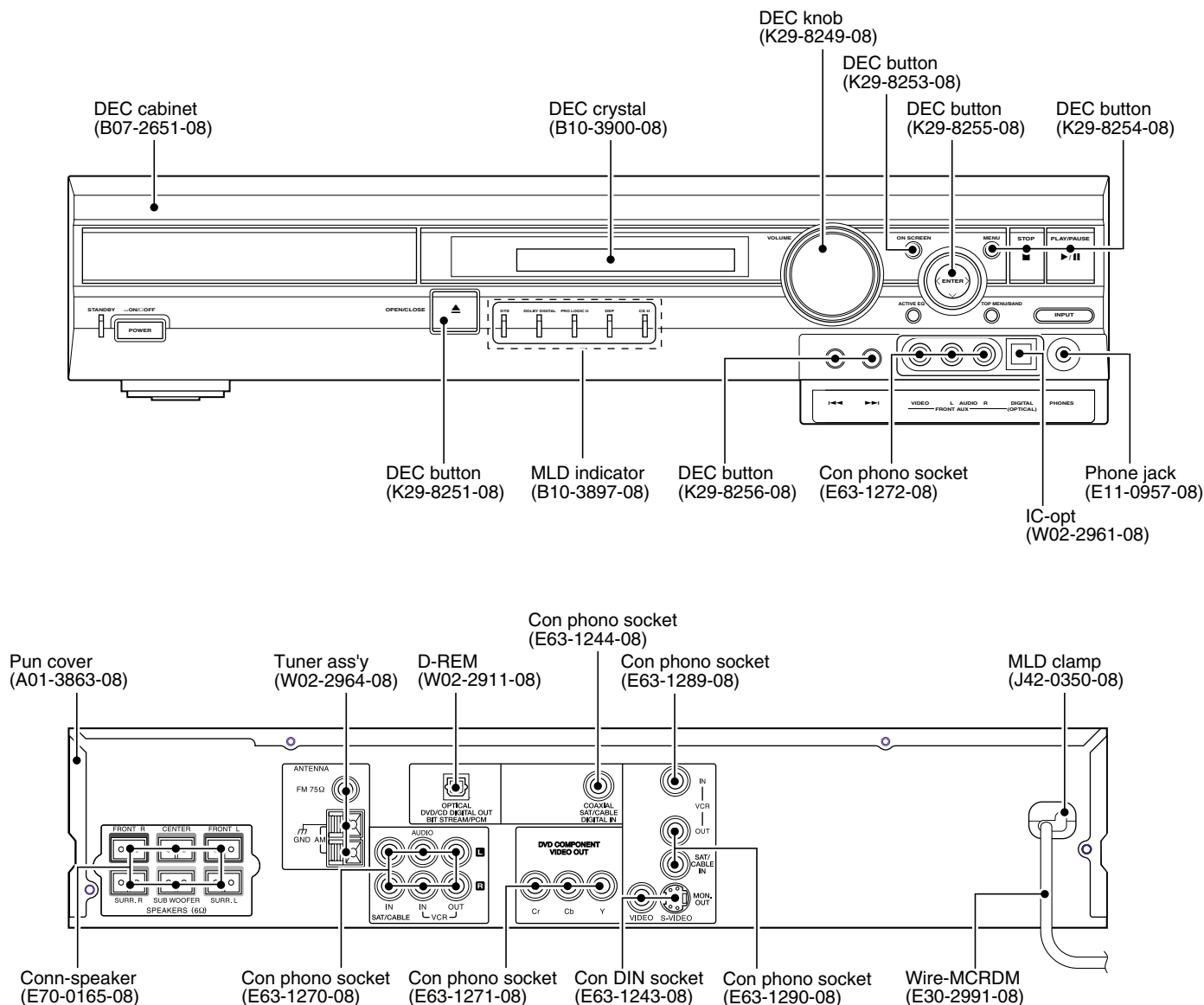
DVR-605

SERVICE MANUAL

(DVT-605)

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This manual is available for U.S.A. and Canada markets.



In compliance with Federal Regulations, following are reproduction of labels on, or inside the product relating to laser product safety.

Caution : No connection of ground line if disassemble the unit. Please connect the ground line on rear panel, PCBs, Chassis and some others.

KENWOOD Corp. certifies this equipment conforms to DHHS Regulations No.21 CFR 1040. 10, Chapter 1, subchapter J.

DANGER : Laser radiation when open and interlock defeated. AVOID DIRECT EXPOSURE TO BEAM.



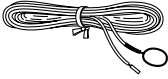
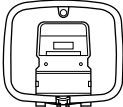

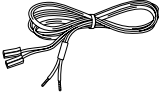

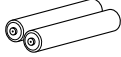
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CONTENTS / ACCESSORIES / CAUTIONS

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Accessories

| | | | |
|--|---|--|---|
| <p>FM indoor antenna (1) (T90-0882-08)</p>  | <p>Loop antenna (1) (T90-0896-08)</p>  | <p>Video cord (1) (E30-1427-05)</p>  | <p>Speaker cords (6) (E30-7265-08): RED (E30-7283-08): GREEN (E30-7284-08): BLUE (E30-7285-08): VIOLET (E30-7269-08): GREY (E30-7286-08): WHITE</p>  |
| <p>Remote control unit (1) (A70-1607-08)</p>  | <p>Batteries (R6/AA) (2)</p>  | | |

Cautions

Caution on condensation

Condensation (of dew) may occur inside the unit when there is a great difference in temperature between this unit and the outside.

This unit may not function properly if condensation occurs. In this case, leave the unit for a few hours, and restart the operation after the condensation has dried up.

Be specially cautious against condensation in a following circumstances:

When this unit is carried from one place to another across a large difference in temperature, when the humidity in the room where this unit is installed increases, etc.

Memory backup function

Stored contents which are cleared in at least a week after power plug is unplugged from power outlet.

Amplifier section

Last input selection
Volume control value
Surround setting
ACTIVE EQ

Tuner section

Receiving band
Frequency
Preset stations
Tuning mode setting

DVD section

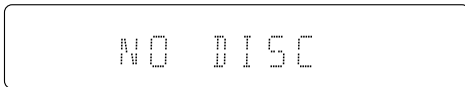
Menu setup

Power status

Note related to transportation and movement
Before transporting or moving this unit, carry out the following operations.

❶ Remove the disc from the unit.

❷ Press the ►/|| key.



❸ Wait a few seconds and turn the unit OFF.

WARNING NOTICE:

IN MOST CASES IT IS AN INFRINGEMENT OF COPYRIGHT TO MAKE COPIES OF TAPES OR DISCS WITHOUT THE PERMISSION OF THE COPYRIGHT OWNERS. ANYONE WISHING TO COPY COMMERCIALY AVAILABLE TAPES OR DISC SHOULD CONTACT THE MECHANICAL COPYRIGHT PROTECTION SOCIETY LIMITED OR THE PERFORMING RIGHTS SOCIETY LIMITED.

Operation to reset

The microcomputer may fall into malfunction (impossibility to operate, erroneous display, etc.) when the power cord is unplugged while power is ON or due to an external factor. In this case, execute the following procedure to reset the microcomputer and return it to normal condition.

Set the POWER switch to ON (set to Standby mode). Then press the ►► key, ◀◀ key and STOP key in this order.

- Please note that resetting the microcomputer clears the contents stored in and returns and to condition when it left the factory.

The marking of products using lasers (Except for some areas)

**CLASS 1
LASER PRODUCT**

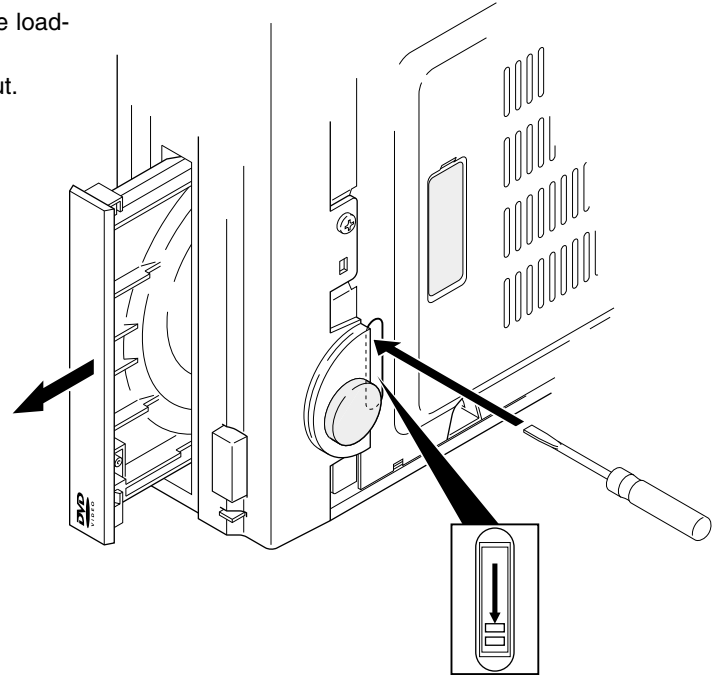
The marking this product has been classified as Class 1. It means that there is no danger of hazardous radiation outside the product.
Location: Back panel

DISASSEMBLY FOR REPAIR / BLOCK DIAGRAM

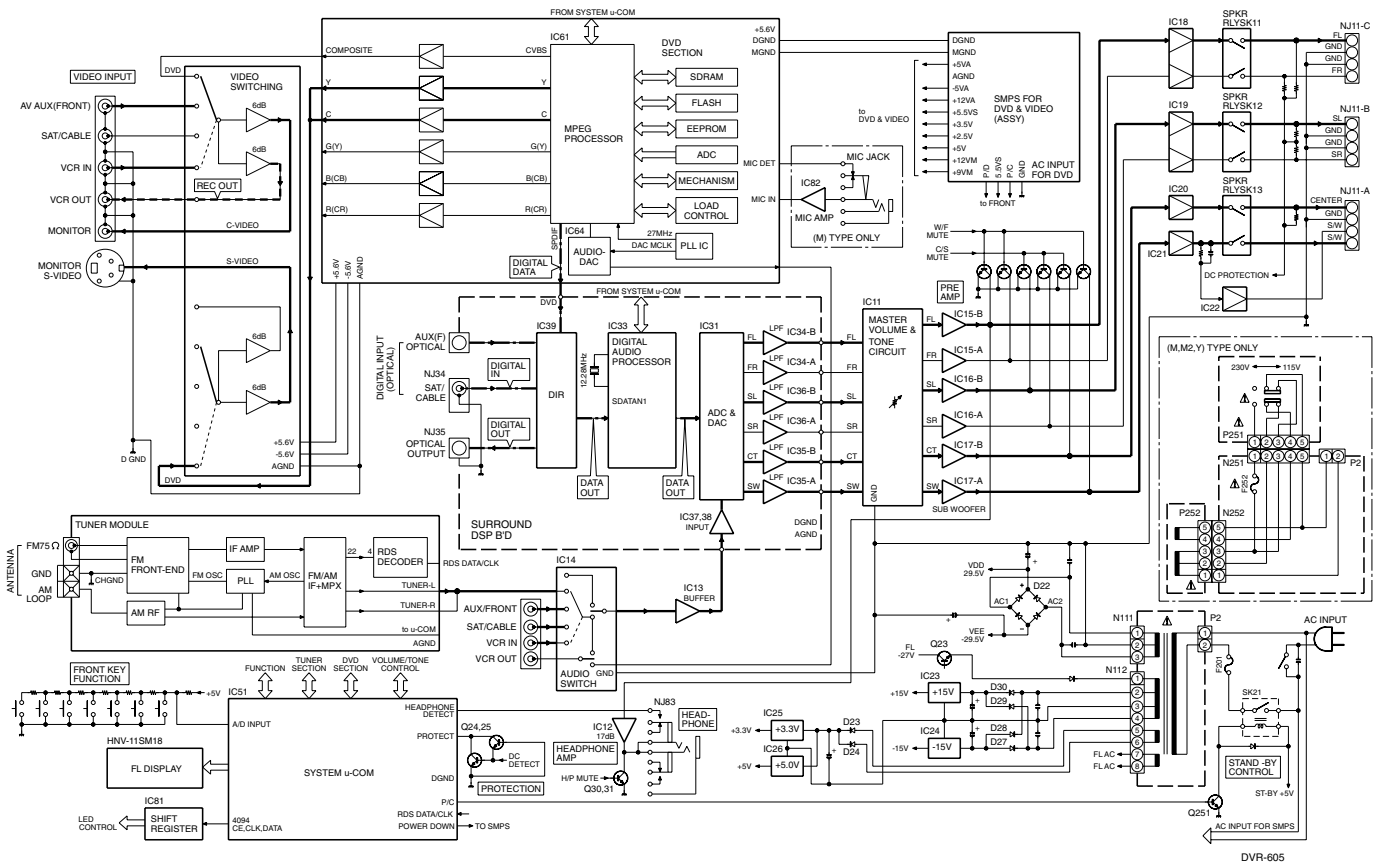
DISASSEMBLY FOR REPAIR

How to open the tray if it does not come out.

1. Insert a flat driver in the drawing through the hole on the loading chassis bottom and pull the lever down.
2. Pull out the tray frontward by hand when it comes just out.



BLOCK DIAGRAM



CIRCUIT DESCRIPTION

1. Pin Description of MPEG Processor IC (DVD Part IC61)

| Pin No. | Pin Name | I/O | Pin Description |
|--------------------------------|--------------------------|-----|--------------------------------------|
| PIOs and communication | | | |
| 1 | PIO2(5) RGB SEL(BLANK) | I/O | RGB sel (blank). unused |
| 2 | PIO2(6) VIDEO MUTE | I/O | Video mute control. |
| 3 | PIO2(7) 16: 9 INDICATOR | I/O | 16 : 9 indicator (unused). |
| 6 | PIO3(0) SCART H (TV/AUX) | I/O | Unused. |
| 7 | PIO3(1) | I/O | Unused. |
| 8 | PIO3(2) | O | CSB |
| * 9 | PIO3(3) | O | SDIN |
| 10 | PIO3(4) IR REMOCON | I/O | Unused. |
| * 11 | PIO3(5) | O | SCLK |
| 12 | PIO3(6) | I/O | Unused. |
| 13 | PIO3(7) DVD RESET | I/O | Power- on reset of front-end module. |
| Front-end | | | |
| 16 | B DATA | I | I2S Data |
| 17 | B BCLK | I | I2S Bit clock |
| 18 | B FLAG | I | I2S Error flag |
| 19 | B SYNC | I/O | I2S Sector / ABS time |
| Reserved | | | |
| 20 | B WCLK | I/O | Unused. |
| 21 | B V4 | I/O | Unused. |
| 22 | NRSS OUT | I/O | Unused. |
| 23 | VDD RGB | - | Supply voltage for RGB (+3.3VA). |
| 24 | VSS RGB | - | GND |
| Video DAC | | | |
| 25,26,27 | B/G/R (OUT) | O | B/G/R signal outputs. |
| 28 | V REF RG | I | Reference voltage input for DAC RGB. |
| 29 | I REF RG | I | Reference current input for DAC RGB. |
| 30 | VDD YCC | - | Supply voltage for YCC (+3.3VA). |
| 31 | VSS YCC | - | GND |
| 32~34 | Y/C/CV (OUT) | O | Y/C/CV signal outputs. |
| 35 | V REF YCC | I | Reference voltage input for DAC YCC. |
| 36 | I REF YCC | I | Reference current input for DAC YCC. |
| PIOs and communication | | | |
| 39 | PIO4(0)HP MUTE | - | Unused. |
| 40 | PIO4(1) | - | Unused. |
| 41 | PIO4(2) | O | DAC system clock output. |
| 42 | PIO4(3) DAC RESET | O | DAC reset output. |
| 43 | PIO4(4) PLL CS | O | DAC mute control. |
| 44 | PIO4(5) DAC CLOCK | O | DAC clock output |
| 45 | PIO4(6) DAC DATA | O | DAC data output. |
| 46 | PIO4(7) DAC CS | O | DAC chip select. |
| Audio DAC | | | |
| 48 | VDD PCM | - | Supply voltage for PCM (+3V3). |
| 49 | VSS PCM | - | Ground for PCM. |
| 51 | DAC SCLK (BCK) | O | DAC over sampling clock. |
| 52 | DAC PCMOUT0 (DATA) | O | DAC PCM data out 0. |
| 53 | DAC PCMOUT1 | O | DAC PCM out 1 (unused). |
| 54 | DAC PCMOUT2 | O | DAC PCM out 2 (unused). |
| 55 | DAC PCMCLK | O | DAC PCM clock. |
| 56 | DAC LRCLK | O | DAC PCM Left/Right clock. |
| 57 | SPDIF OUT | O | Audio digital data output. |
| Shared memory interface | | | |
| 58~63 | SMI ADR(4~9) | O | SDRAM address bus. |
| 66~69 | SMI ADR(3~0) | O | SDRAM address bus. |

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CIRCUIT DESCRIPTION

| Pin No. | Pin Name | I/O | Pin Description |
|---------------|-----------------|-----|--|
| 70~73 | SMI ADR(10~13) | O | SDRAM address bus. |
| 74 | SMI CS(0) | O | Chip select bank 0. |
| 75 | SMI CS(1) | - | Unused. |
| 76 | SMI RAS | O | SDRAM RAS |
| 77 | SMI CAS | O | SDRAM CAS |
| 78 | SMI WE | O | SDRAM write enable. |
| 79 | SMI DQML | O | DQ MASK enable low. |
| 80 | SMI DQMU | O | DQ MASK enable up. |
| 82 | SMI CLKIN | I | SDRAM clock input. |
| 84~93 | SMI DATA(0~9) | I/O | SDRAM data bus. |
| 95 | SMI CLKOUT | O | SDRAM clock out. |
| 97~102 | SMI DATA(10~15) | I/O | SDRAM data bus. |
| Reserved | | | |
| * 103 | ADC SCLK | I/O | ADC digital audio port clock. |
| * 104 | ADC LRCLK | I/O | ADC sample rate clock. |
| * 105 | ADC DATA | I | ADC digital audio data input. |
| * 106 | ADC PCMCLK | O | Crystal input or master clock input. |
| JTAG | | | |
| 109 | TRST | I | Test reset from emulator module. |
| 110 | TMS | I | Test mode select. |
| 111 | TDO | O | Test data out to emulator module. |
| 112 | TDI | I | Test data input from emulator module. |
| 113 | TCK | I | Test clock input from emulator module. |
| Timers | | | |
| 114 | PWM2 | I/O | Unused. |
| 115 | PWM1 | I/O | ROM boot option port (voltage low = emulator booting). |
| 116 | PWM0 | I/O | Unused. |
| EMI Interface | | | |
| 117 | CPU OE | I/O | Flash ROM output enable |
| 118 | CPU PRO CLK | O | SDRAM clock (unused). |
| Clock & Reset | | | |
| 120 | PIX CLK | I | 27MHz main clock input. |
| 122 | VDD PLL | - | Supply voltage for PLL (+3V3). |
| 123 | VSS PLL | - | Ground for PLL. |
| 124 | RESET | I | Chip reset input. |
| Interrupt | | | |
| 125 | IRQ(2) | I | Interrupt request 2 from front-end module. |
| 126 | IRQ(1) | I | Unused. |
| 127 | IRQ(0) | I | Unused. |
| EMI Interface | | | |
| 128 | CPU BE(0) | O | BYTE 0 Enable |
| 129 | CPU BE(1) | O | BYTE 1 Enable |
| 130 | CPU RW | O | Unused. |
| 131 | CPU WAIT | I | Wait state (connected to ground). |
| 132 | CPU CE(3) | O | Flash ROM chip select. |
| 133 | CPU CE(2) | O | Flash ROM down-load JIG module select. |
| 134 | CPU CE(1) | O | Unused |
| 135 | CPU CE(0) | O | Unused. |
| 138 | CPU RAS1 | I/O | Unused. |
| 139 | CPU CAS0 | O | Unused. |
| 140 | CPU CAS1 | O | Unused. |
| 141~148 | CPU DATA(0~7) | I/O | Flash ROM data input/output (0~7). |
| 151~158 | CPU DATA(8~15) | I/O | Flash ROM data input/output (8~15). |
| 161~170 | CPU ADR(1~10) | O | Flash ROM address (1~10). |
| 173~183 | CPU ADR(11~21) | O | Flash ROM address (11~21). |

CIRCUIT DESCRIPTION

| Pin No. | Pin Name | I/O | Pin Description |
|--|---|-----|--|
| PIOs and communication | | | |
| 186 | PIO0(0) T STROBE | I/O | UART0 data |
| 187 | PIO0(1) MOD SW | I/O | ATAPI RD |
| 188 | PIO0(2) | O | Unused. |
| 189 | PIO0(3) | O | Unused. |
| 190 | PIO0(4) | O | Unused. |
| 191 | PIO0(5) | I | Unused. |
| 192 | PIO0(6) SLIDER SENSOR OPEN/CLOSE (DRAWER POSITION) | I/O | Detection port of slider sensor for DVD mechanism. |
| 193 | PIO0(7) SLIDER IN (DRAWER CCW/CTRL) | I/O | Control port of slider (IN) for DVD mechanism. |
| 194 | PIO1(0) SDA | I/O | SSC0 data (MSTR out / MRST in) |
| 195 | PIO1(1) SCL | I/O | SSC0 clock |
| 196 | PIO1(2) SLIDER OUT (DRAWER CW CTRL) | I/O | Control port of slider (OUT) for DVD mechanism. |
| 197 | PIO1(3) TXD(JIG) | I/O | UART2 TXD |
| 200 | PIO1(4) RXD(JIG) | I/O | UART2 RXD |
| 201 | PIO1(5) FRONT TXDI | I/O | UART1 TXD |
| 202 | TRIGGER IN | I/O | Trigger input from JIG. |
| 203 | TRIGGER OUT | I/O | Trigger output from JIG. |
| 204 | PIO2(0) H/P | - | Unused. |
| 205 | PIO2(1) FRONT RXD | I/O | UART1 RXD |
| 206 | PIO2(2) | I | Unused. |
| 207 | PIO2(3) | - | Unused. |
| 208 | PIO2(4) AUDIO MUTE | O | Audio mute control. |
| Power supply | | | |
| 4,47,81,107 136,159,184 | VDD3 3 | - | 3.3V Power supply. |
| 14,37,64,94 119,149,171 198 | VDD2 5 | - | 2.5V Power supply. |
| 5,15,38,50,65 83,96,108,121 137,150,160 172,185,199 | VSS | - | GND |

* M Type only

2. Pin Description of System Microcomputer : CXP82860(Microprocessor IC51)

| Pin No. | Pin Name | I/O | Description |
|---------|-------------|-----|---------------------------------|
| 1 | GRID2 | O | FIP Grid output. |
| 2 | GRID1 | O | FIP Grid output. |
| 3 | NC | - | Connected to VDD. |
| 4 | POWER DOWN | I | Power down check. |
| 5 | RDS CLK | I | RDS clock input. |
| 6 | DVD RX | I | DVD UART interface (RX). |
| 7 | RDS OPTION | - | Unused. |
| 8 | RMC | I | Remote controller signal input. |
| 9 | RDS DATA | I | RDS data input. |
| 10 | SM7346 CLK | O | Volume IC (IC11) clock output. |
| 11 | SM7346 DATA | O | Volume IC (IC11) data output. |
| 12 | ENCODER UP | I | Encoder (1) signal input. |
| 13 | ENCODER DW | I | Encoder (2) signal input. |
| 14 | DVD TX | O | DVD UARTinterface (TX). |
| 15 | DVD RST | O | DVD reset signal output. |

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CIRCUIT DESCRIPTION

| Pin No. | Pin Name | I/O | Description |
|---------|-----------------|-----|---|
| 16 | DSP A. BOOST | O | DSP auto boot. |
| 17 | H/P CHK | I | Detection pin of headphones jack. |
| 18 | CS8415A-CE | O | DIR IC (IC39) chip enable. |
| 19 | EMPHASIS | O | CS4228 DAC IC emphasis ON/OFF |
| 20 | TUNED | I | Tuned signal input for tuner. |
| 21 | DSP INTREQ | O | DSP INT request. |
| 22 | 4094CE | O | 4049 (IC81) chip enable. |
| 23 | CS49326 CE | O | CS49326 DSP IC (IC33) chip enable. |
| 24 | CS4228 CE | O | CS4228 DAC IC (IC31) chip enable. |
| 25 | DSP CLK | O | CS49326 DSP IC (IC33) clock output. |
| 26 | CS49326 DATA IN | I | CS49326 DSP IC (IC33) data input. |
| 27 | DSP DA OUT | O | CS49326 DSP IC (IC33) data output. |
| 28 | VREF | I | A/D reference voltage input. |
| 29 | PROTECT | I | AMP protection input. |
| 30 | KEY IN | I | A/D key input. |
| 31 | EEPROM DATA | I/O | EEPROM (IC52) data output. |
| 32 | KEY2 IN | I | A/D key input. |
| 33 | 8415 DA IN | I | CS8415 DIR IC (IC39) data input. |
| 34 | DVD OPTION | I | Setting pin for the destination. |
| 35 | PLL DATA IN | I | PLL data input. |
| 36 | STEP OPTION | I | Setting pin for tuner destination. |
| 37 | VSS(G) | I | Analog ground. |
| 38 | RST | I | Reset signal input. |
| 39 | EXTAL | I | Crystal resonator (10MHz) connection. |
| 40 | XTAL | O | Crystal resonator (10MHz) connection. |
| 41 | GND | - | Digital ground. |
| 42 | NC | O | Unused. |
| 43 | GND | - | GND |
| 44 | VDD | I | Digital ground. |
| 45 | VFDP | I | Power supply for VFDP. |
| 46 | STANDBY | O | Control pin for power relay on/off. |
| 47 | SPK RELAY | O | Control pin for speaker relay on/off. |
| 48 | SUB ON/OFF | O | Gain control for sub woofer. |
| 49 | CS8415 RST | O | CS8415 (IC39) reset signal output. |
| 50 | PLL CE | O | PLL chip enable. |
| 51 | PLL CLK | O | PLL clock output. |
| 52 | PLL D OUT | O | PLL data output. |
| 53 | A CLK | O | Common clock (LC7821,BU4094) output. |
| 54 | A DATA | O | Common data (LC7821,BU4094) output. |
| 55 | EEPROM CLK | O | EEPROM (IC52) clock output. |
| 56~59 | VIDEO (SW1~SW4) | O | Control pin for video. |
| 60 | 4228 RST | O | CS4228 (IC31) reset signal output. |
| 61 | LC7821 CE | O | LC7821(tuner pack) chip enable. |
| 62 | SM7346 CE | O | Volume IC (Main IC11) chip enable. |
| 63 | T MUTE | O | Tuner mute control. |
| 64 | S MUTE | O | Mute control pin for surround signal |
| 65 | C MUTE | O | Mute control pin for center signal. |
| 66 | F MUTE | O | Mute control pin for front signal. |
| 67 | W MUTE | O | Mute control pin for sub woofer signal. |
| 68 | CS49326 RST | O | CS49326 DSP IC (IC5) reset signal output. |
| 69~71 | DSP (A15~A17) | O | DSP ROM address (SEL 1~3). |
| 72~88 | SEG (1~17) | O | FIP segment output. |
| 89 | VDD | - | Digital power supply. |
| 90,91 | SEG18,19 | O | FIP segment output. |
| 92-100 | GRID (11~3) | O | FIP Grid output. |

CIRCUIT DESCRIPTION

3. Pin Description of IC's

3-1 64 Bit SDRAM : HY57V641620HGT (DVD Part IC63)

| Pin No. | Pin Name | I/O | Description |
|---|------------|-----|---|
| 38 | CLK | I | The system clock input. all other inputs are registered to the SDRAM on the rising edge of CLK. |
| 37 | CKE | - | Controls internal clock signal and when deactivated, the SDRAM will be one of the states among power down, suspend or self refresh. |
| 19 | CS | - | Enables or disables all inputs except CLK, CKE, and DQM. |
| 20,21 | BA0,BA1 | - | Selects bank to be activated during RAS activity. Selects bank to be read/written during CAS activity. |
| 22~26 29~35 | A0~A11 | - | Row address : RA0~RA11, Column address : CA0~CA7 Auto-precharge flag : A10 |
| 16,17,18 | WE,CAS,RAS | - | WE, CAS and RAS define the operation. |
| 15,39 | LDQM,UDQM | I/O | Controls output buffers in read mode and masks input data in write mode. |
| 2,4,5,7,8,10 11,13,42,44 45,47,48,50 51,53 | DQ0~DQ15 | I/O | Multiplexed data input/output pin. |
| 1,3,9,14,27 43,49 | VCC/VCC Q | - | Power supply for internal circuits and input buffers. |
| 6,12,28,41, 46,52,54 | VSS/VSS Q | - | Ground terminal. |
| 36,40 | NC | - | Unused. |

3-2 24-bit, 192kHz Stereo DAC : WM8728 (DVD Part IC64)

| Pin No. | Pin Name | I/O | Description |
|---------|----------|-----|--|
| 1 | LRCIN | I | DAC sample rate clock input : PCM input mode Right channel DSD bitstream input : DSD input mode |
| 2 | DIN | I | Serial audio data input : PCM input mode Left channel DSD bitstream input : DSD input mode |
| 3 | BCKIN | I | Audio data bit clock input. |
| 4 | MCLK | I | Master clock input. |
| 5 | ZERO | O | Infinite zero detect flag. |
| 6 | DGND | - | Digital ground supply. |
| 7 | DVDD | - | Digital positive supply. |
| 8 | VOUTR | O | Right channel DAC output. |
| 9 | AGND | - | Analog ground supply. |
| 10 | AVDD | - | Analog positive supply. |
| 11 | VOUTL | O | Left channel DAC output. |
| 12 | VMID | O | Mid rail decoupling point. |
| 13 | VREFN | - | DAC negative reference. |
| 14 | VREFP | - | DAC positive reference. |
| 15 | CSBIWL | I | Software mode : 3-wire serial control chip select Hardware mode : Input word length |
| 16 | MODE | I | Control mode selection. |
| 17 | MUTEB | - | Mute control. "L" = Mute on, "H" = Mute off |
| 18 | SDIDEM | - | Software mode : 3 or 2-wire serial control data input Hardware mode : De-Emphasis select |
| 19 | SCKDSD | I | Software mode : 3 or 2-wire serial control clock input Hardware mode : DSD bitstream operation select |
| 20 | LAT12S | I | Software mode : 3-wire serial control load input Hardware mode : Input data format selection |

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CIRCUIT DESCRIPTION

3-3 Flash Memory : SST39VF800A904 (DVD Part IC66)

| Pin No. | Pin Name | I/O | Description |
|----------------------------|----------|-----|-------------------------------------|
| 1~8, 16~25,48 | A0~A18 | I | Address Inputs |
| 29,31,33,35,38,40 42,44 | DQ0~DQ7 | I/O | Data Input/Outputs, Command Inputs |
| 30,32,34,36,39,41,43 | DQ8~DQ14 | I/O | Data Input/Outputs |
| 45 | DQ15 | I/O | Data Input/Outputs or Address input |
| 26 | CE | - | Chip Enable |
| 28 | QE | - | Output Enable |
| 11 | WE | - | Write Enable |
| 12 | RP | - | Reset/Block Temporary Unprotect |
| 15 | RY/BY | O | Ready/Busy/Output(Unused) |
| 47 | BYTE | - | Byte/Word Organization |
| 37 | VCC | - | Supply Voltage |
| 27,46 | VSS | - | Ground |

3-4 HEX Inverter (Single Stage) : M74HCU04 (DVD Part IC67)

| Pin No. | Pin Name | I/O | Pin Description |
|-------------------|----------|-----|-------------------------|
| 1,3,5,9, 11,13 | A0 to A5 | I | Data Inputs |
| 2,4,6,8, 10,12 | Q0 to Q5 | O | Data Outputs |
| 7 | GND | - | Ground |
| 14 | VCC | - | Positive Supply Voltage |

Truth Table

| | |
|---|---|
| A | Q |
| L | H |
| H | L |

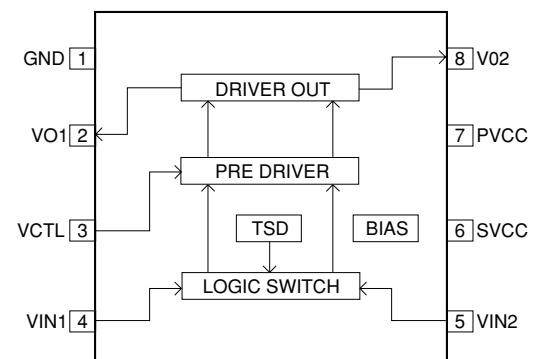
3-5 Video Driver : MM1540AF (DVD Part IC68)

| Pin No. | Pin Name | I/O | Description |
|-----------------------|--|-----|---------------------------------|
| 1,28 | VCC1,2 | - | VCC |
| 2 | VIN | I | Unused |
| 3 | YC MIX | - | YC MIX select (GND) |
| 4 | CIN | I | Croma input |
| 5 | CLP | - | Clamp select (Connected to VCC) |
| 6,9 | YIN (1,2) | I | Video input (Composite or Y) |
| 7 | MUTE 1 | O | Mute select (GND) |
| 8 | MUTE 2 | O | Mute select |
| 10 | GND | - | GND |
| 11,13 | CbIN, CrIN | I | Component input |
| 12 | Dual/Single | - | Power select (+5V) |
| 14,15,19, 21,22,24 | VEE1, VEE2 | - | VEE (-5V) |
| 16,18,20, 23,25,27 | CrOUT, CbOUT, YOUT2,YOUT1, COUT,VOUT | O | Video output |
| 17,26 | PS2,PS1 | - | Power save (Connected to GND) |

3-6 DC Motor Driver : FAN8082(DVD Part IC69)

| Pin No. | Pin Name | I/O | Pin Description |
|---------|----------|-----|-------------------------|
| 1 | GND | - | Ground |
| 2 | VO1 | O | Output 1 |
| 3 | VCTL | I | Motor speed control |
| 4 | VIN1 | I | Input 1 |
| 5 | VIN2 | I | Input 2 |
| 6 | SVCC | - | Supply voltage (Signal) |
| 7 | PVCC | - | Supply voltage (Power) |
| 8 | VO2 | O | Output 2 |

Internal Block Diagram



CIRCUIT DESCRIPTION

3-7 Stereo Audio ADC : VM8739 (DVD Part IC70) M Type only

| Pin No. | Pin Name | I/O | Pin Description |
|---------|----------|-----|--|
| 1 | SDIN | I | 3-wire MPU data input/2-wire MPU data input. |
| 2 | SCLK | I | 3-wire MPU clock input/2-wire MPU clock input. |
| 3 | XTI/MCLK | I | Crystal input or master clock input (MCLK). |
| 4 | XTO | O | Crystal output. |
| 5 | DCVDD | - | Digital core VDD. |
| 6 | DGND | - | Digital GND. |
| 7 | DBVDD | - | Digital buffers VDD. |
| 8 | BCLK | I/O | Digital audio port clock. |
| 9,10 | DNC | - | Unused. |
| 11 | ADCDAT | O | ADC digital audio data output. |
| 12 | ADCLRC | I/O | ADC sample rate clock. |
| 13 | NC | - | Unused. |
| 14 | AVDD | - | Analog VDD. |
| 15 | AGND | - | Analog GND. |
| 16 | VMID | O | Mid-rail reference decoupling point. |
| 17 | R IN | I | Right channel line input (AC coupled). |
| 18 | L IN | I | Left channel line input (AC coupled). |
| 19 | MODE | I | Control interface selection, pull up (on power up only). |
| 20 | CSB | I | 3-wire MPU chip select/2-wire MPU interface address selection. |

3-8 Volume Control IC: M62446AFP (Main B' D IC11)

| Pin No. | Pin Name | I/O | Pin Description |
|-----------------------|---|-----|--|
| 1~4 | OUT(4~1) | O | Unused. |
| 5 | AVDD | - | Power supply (+7.0V) for analog. |
| 6 | SWin | I | Volume input for SW channel. |
| 7,10,12,14 | GND(S,C,R,L) | - | Analog ground. |
| 8 | SRin | I | Volume input for SR channel. |
| 9 | SLin | I | Volume input for SL channel. |
| 11 | Cin | I | Volume input for center channel. |
| 13 | Rin | I | Tone input for FR channel. |
| 15 | Lin | I | Tone input for FL channel. |
| 16,17 | BYPASS(R,L) | I | Input pin of the volume input selector when bypass. |
| 18,25 | LTRE/RTRE | - | Frequency characteristic setting pin in the tone control (Treble). |
| 19,24,20, 23,21,22 | LBASS3/RBASS3 LBASS2/RBASS2 LBASS1/RBASS1 | - | Frequency characteristic setting pin in the tone control (Bass). |
| 26,28 | CR2/CL2 | O | Tone output. |
| 27,29 | CR1/CL1 | I | Input pin of the main volume. |
| 30 | AVSS | - | Power supply (-7.0V) for analog. |
| 31 | L OUT | O | Output pin of the main volume. |
| 32 | R OUT | O | Output pin of the main volume. |
| 33~36 | C/SL/SR/SW(OUT) | O | Output pin of the main volume. |
| 37 | AGND | - | Analog ground. |
| 38 | DGND | - | Digital ground. |
| 39 | LATCH | I | Latch input. |
| 40 | DATA | I | Input pin of the serial data. |
| 41 | CLK | I | Clock input. |
| 42 | DVDD | - | Power supply (+5.0V) for digital. |

CIRCUIT DESCRIPTION

3-9 Power Amplifier : LM4766 (Main B' D IC18)

| Pin No. | Pin Name | Pin Description |
|---------|-----------|-----------------------------------|
| 1 | FLCH A | Audio FL channel output. |
| 2 | FRCH VCC | Power supply (+B) for FR channel. |
| 3 | FRCH OUT | Audio FR channel output. |
| 4 | VEE | Power supply (-B) |
| 5 | FRCH GND | FRch GND |
| 6 | FRCH MUTE | Mute control pin of FR channel. |
| 7 | FRCH NF | Feed back of FR channel. |
| 8 | FRCH IN | Audio FR channel input. |
| 9 | NC | Unused. |
| 10 | FLCH GND | FLch GND |
| 11 | FLCH MUTE | Mute control pin of FL channel. |
| 12 | FLCH NF | Feed back of FL channel. |
| 13 | FLCH IN | Audio FL channel input. |
| 14 | NC | Unused. |
| 15 | FLCH VCC | Power supply (+B) for FL channel. |

3-10 ADC & DAC : CS4228 (DSP B' D IC31)

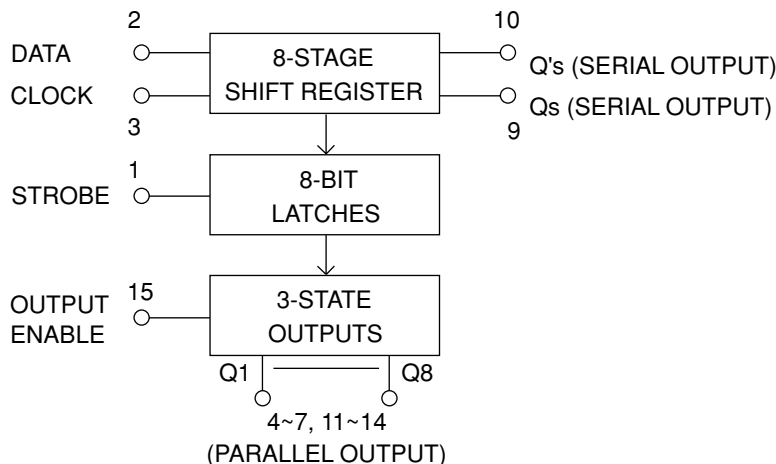
| Pin No. | Pin Name | I/O | Pin Description |
|---------|-----------|-----|---|
| 1~3 | SDIN(3~1) | I | Serial data (3~1) input. |
| 4 | SDOUT | O | Serial data output. |
| 5 | SCLK | I/O | Audio output bit clock. |
| 6 | LRCLK | I/O | Audio output sample rate clock. |
| 7 | DGND | - | Digital ground. |
| 8,9 | VD,VL | - | +3.3V digital power supplies. |
| 10 | MCLK | I/O | Audio master clock. |
| 11 | SCL/CCLK | I | Serial control interface clock. |
| 12 | SDA/CDIN | I | Serial control data input. |
| 13 | AD0/CS | I | Address bit / Control port chip select |
| 14 | RST | I | Master reset input. |
| 15 | MUTEC | - | Unused. |
| 16 | AINR+ | I | Analog signal input (+) connection for the right channel. |
| 17 | AINR- | I | Analog signal input (-) connection for the right channel. |
| 18 | FILT | - | PLL loop filter pin. |
| 19 | AINL- | I | Analog signal input (-) connection for the left channel. |
| 20 | AINL+ | I | Analog signal input (+) connection for the left channel. |
| 21 | VA | - | +5.0V analog power supply. |
| 22 | AGND | - | Analog ground for clock generator PLL. |
| 23~28 | AOUT(1~6) | O | The analog outputs from the D/A converters. |

CIRCUIT DESCRIPTION

3-11 Digital Audio Decoder : CS493263 (DSP B' D IC33)

| Pin No. | Pin Name | I/O | Pin Description |
|---------------|--------------|-----|--|
| 1,12,23 | VDD(1~3) | - | Digital positive supplies. |
| 2,13,24 | VSS(1~3) | - | Digital ground. |
| 3 | XMT958 | O | SPDIF transmitter output (unused). |
| 4 | WR,DS | I/O | Host Write Strobe, Host Data Strobe, External Memory Write Enable or General Purpose Input |
| 5 | RD,RW | I/O | Host Parallel Output Enable, Host parallel R/W, External Memory Output Enable, General Purpose Input |
| 6 | A1, SCDIN | I | Host address bit one or SPI serial control data input. |
| 7 | A0, SCCLK | I | Host parallel address bit zero or serial control pin clock. |
| 8~11 14~17 | DATA(7~0) | I/O | Data bus (7~0). |
| 18 | CS | I | Chip select input. |
| 19 | SCDI0,SCDOUT | I/O | Serial control data input and output. |
| 20 | INTREQ ABOUT | I/O | Control pin interrupt request, automatic boot enable. |
| 21 | EXTMEM | I/O | External memory chip select input/output. |
| 22 | SDATAN | I | PCM audio data input. |
| 25 | SCLKN | I/O | PCM audio input bit clock. |
| 26 | SLRCLKN | I/O | PCM audio input sample rate clock. |
| 27 | CMPDAT | I | PCM audio data input. |
| 28 | CMPCLK | I/O | PCM audio input bit clock. |
| 29 | CMPREQ | I/O | PCM audio input sample rate clock. |
| 30 | CLKIN | I | Master clock input. |
| 31 | CLKSEL | I | DSP clock select. |
| 32 | FLT2 | - | Phase locked loop filter. |
| 33 | FLT1 | - | Phase locked loop filter. |
| 34 | VDDA | - | Analog positive power supply for clock generator. |
| 35 | VSSA | - | Analog ground for clock generator PLL. |
| 36 | RESET | I | Master reset input. |
| 37 | DD | I/O | This pin should be pulled up with an external 4.7kΩresistor. |
| 38 | DC | I | This pin should be pulled up with an external 4.7kΩresistor. |
| 39 | AUDAT2 | O | Digital audio output 2. |
| 40 | AUDAT1 | O | Digital audio output 1. |
| 41 | AUDAT0 | O | Digital audio output 0. |
| 42 | LRCLK | I/O | Audio output sample rate clock. |
| 43 | SCLK | I/O | Audio output bit clock. |
| 44 | MCLK | I/O | Audio master clock. |

4. Block Diagram of Shift Register : BU4094 (Front IC81)



DVR-605

ADJUSTMENT / INTERCONNECTION DIAGRAM

ADJUSTMENT

| No. | ITEM | INPUT SETTING | OUTPUT SETTING | ALIGNMENT POINT | ALIGNMENT FOR | FIG. |
|-----|---------------------|---------------------|---|-----------------|------------------------|-------|
| 1 | Progressive Y LEVEL | 100% COLOR BAR DISC | Connect the oscilloscope to Y output(NJ13) with 75-ohms resistor. ※ Output Mode: Progressive | VR11 | Y-signal= 1000mV±100mV | FIG.1 |

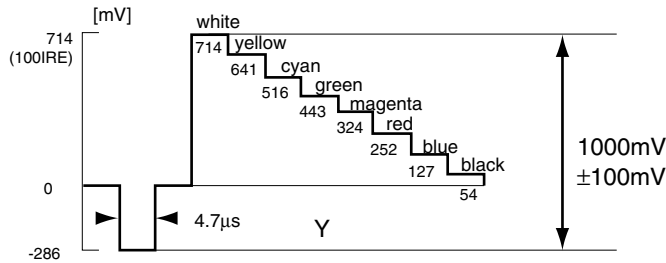
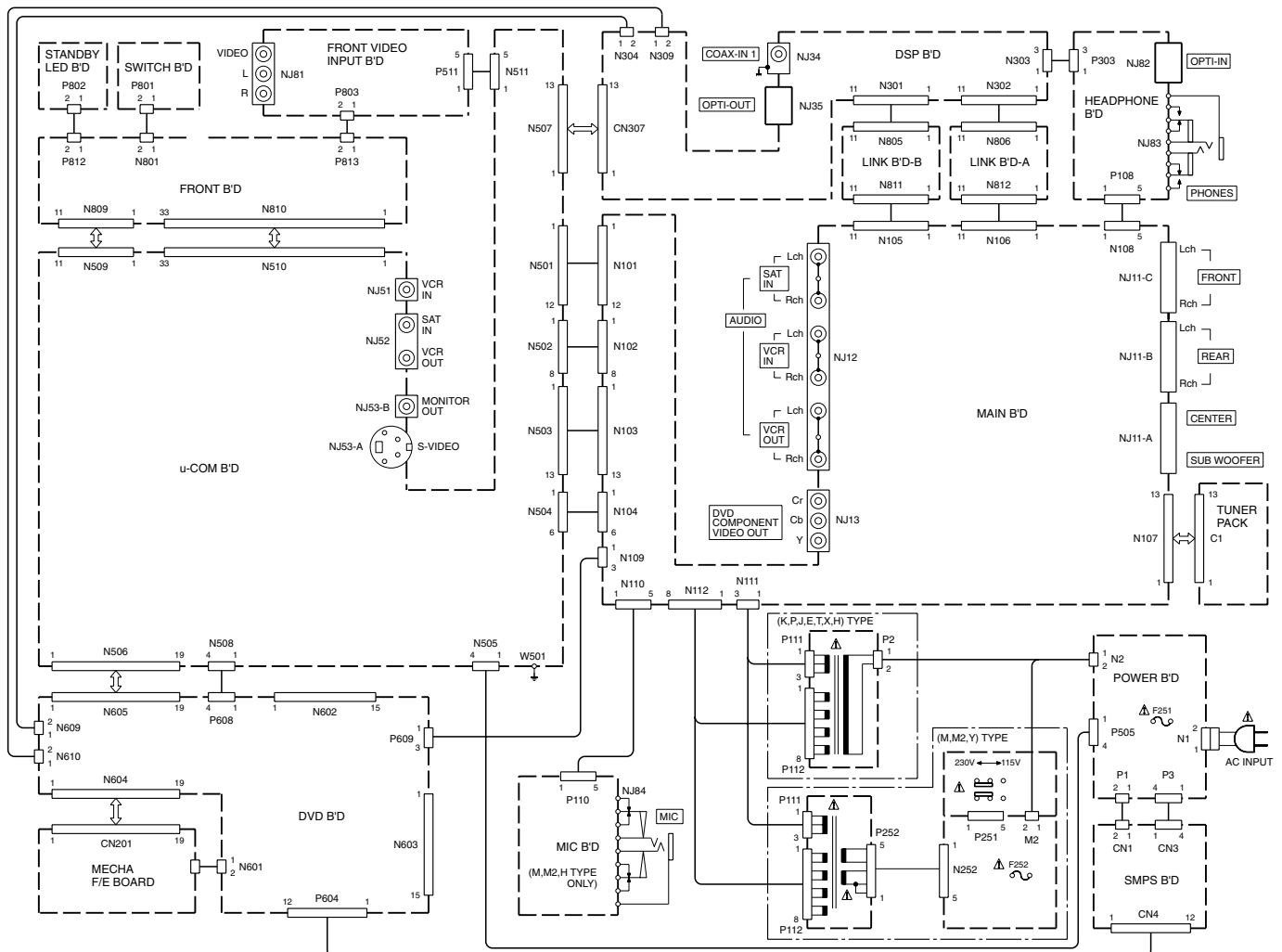


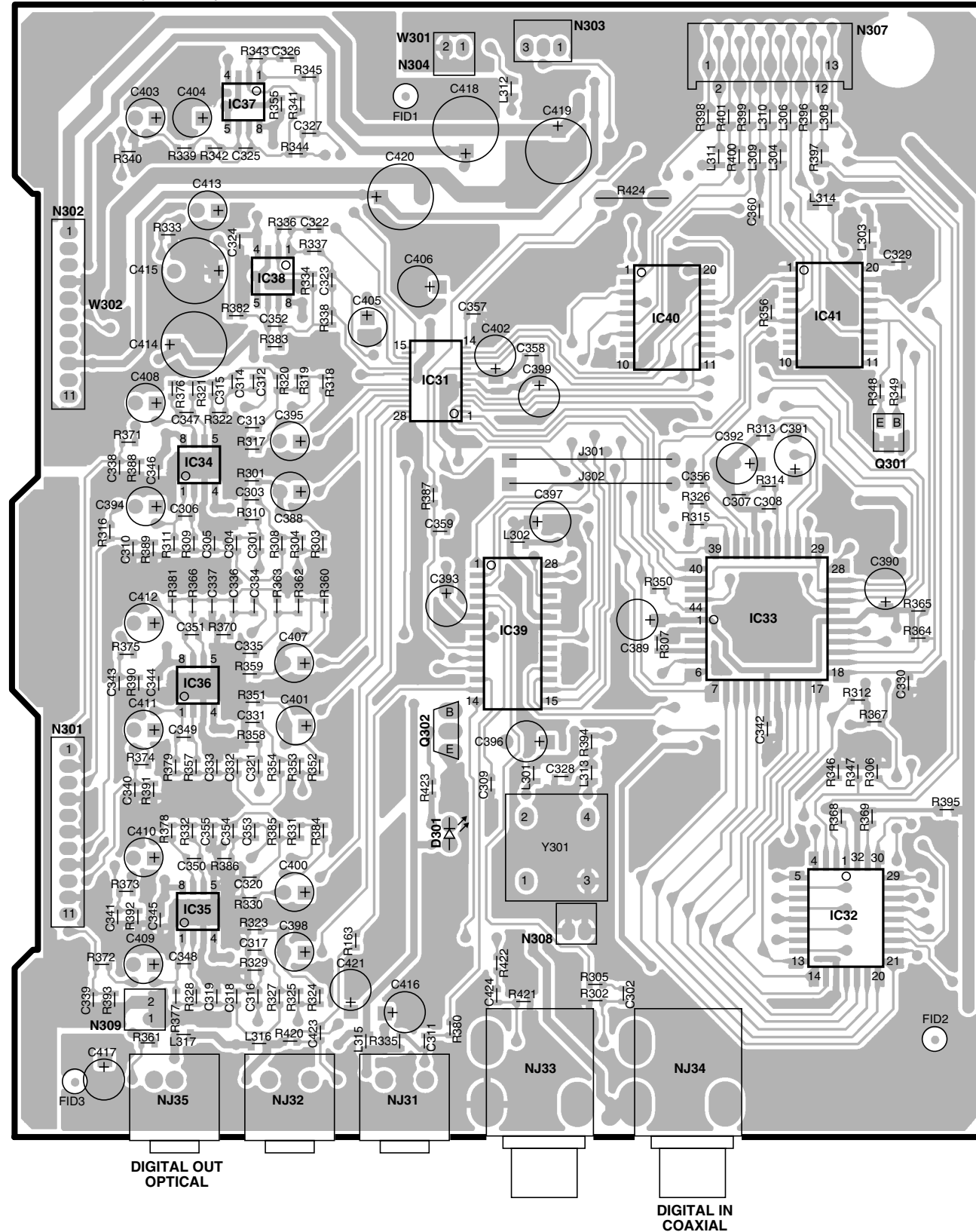
Fig. 1

INTERCONNECTION DIAGRAM

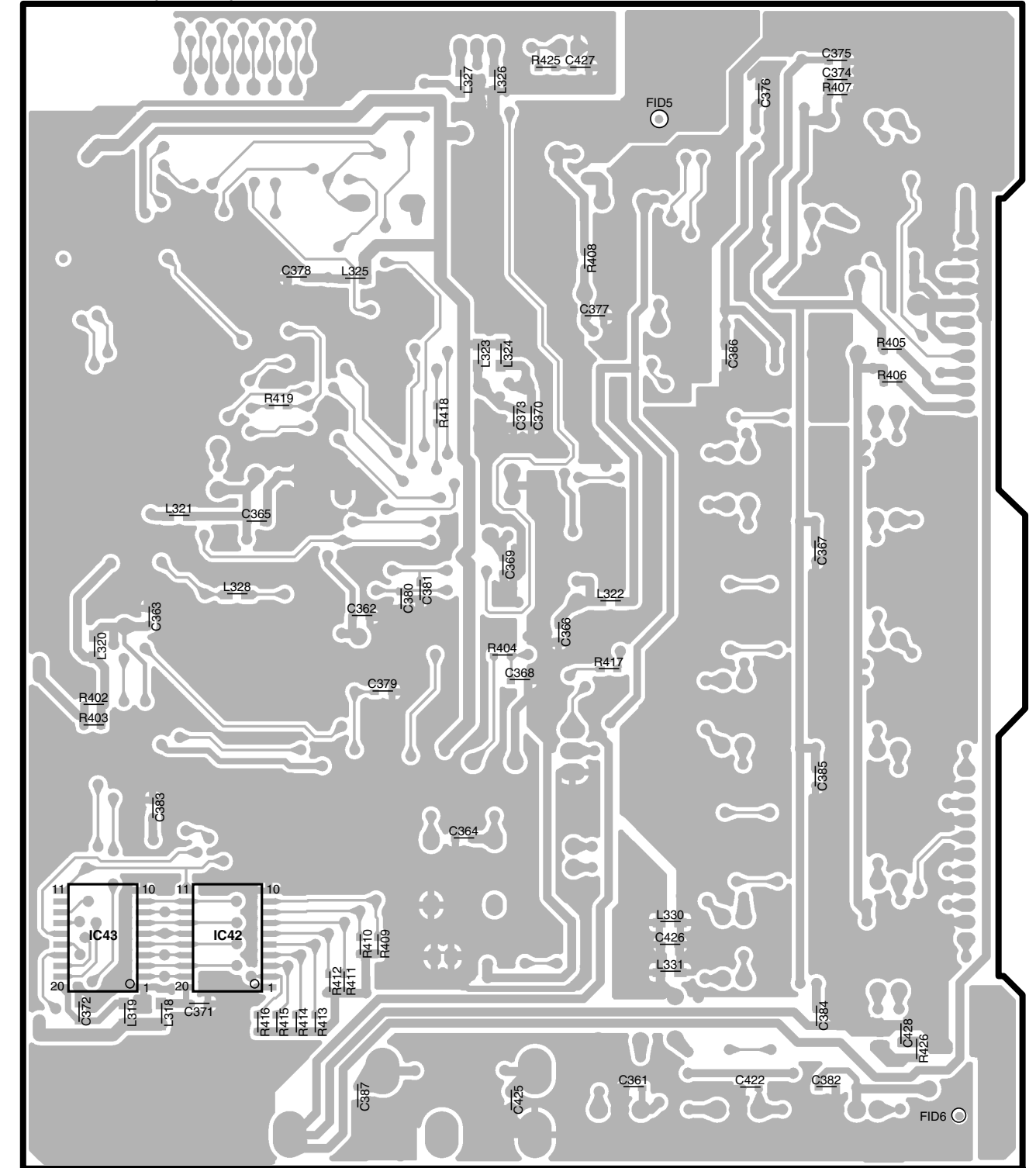


PC BOARD(Component side view)

DSP BOARD (SIDE A)

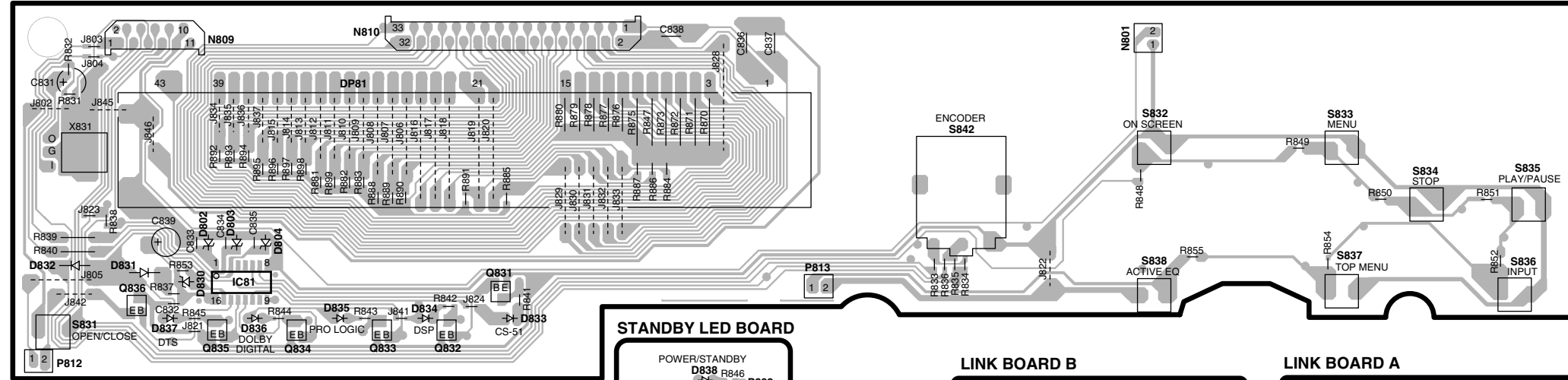


DSP BOARD (SIDE B)

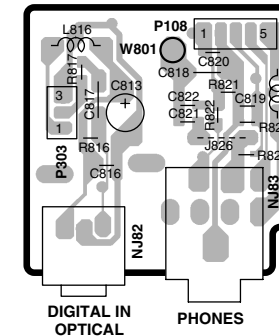


PC BOARD(Component side view)

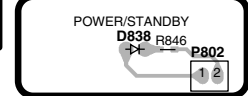
FRONT BOARD



HEADPHONE BOARD



STANDBY LED BOARD



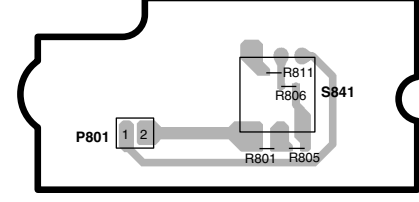
LINK BOARD B



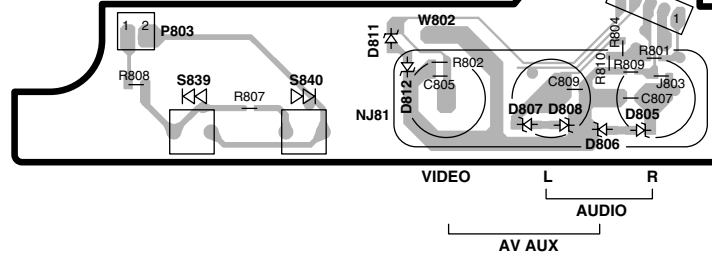
LINK BOARD A



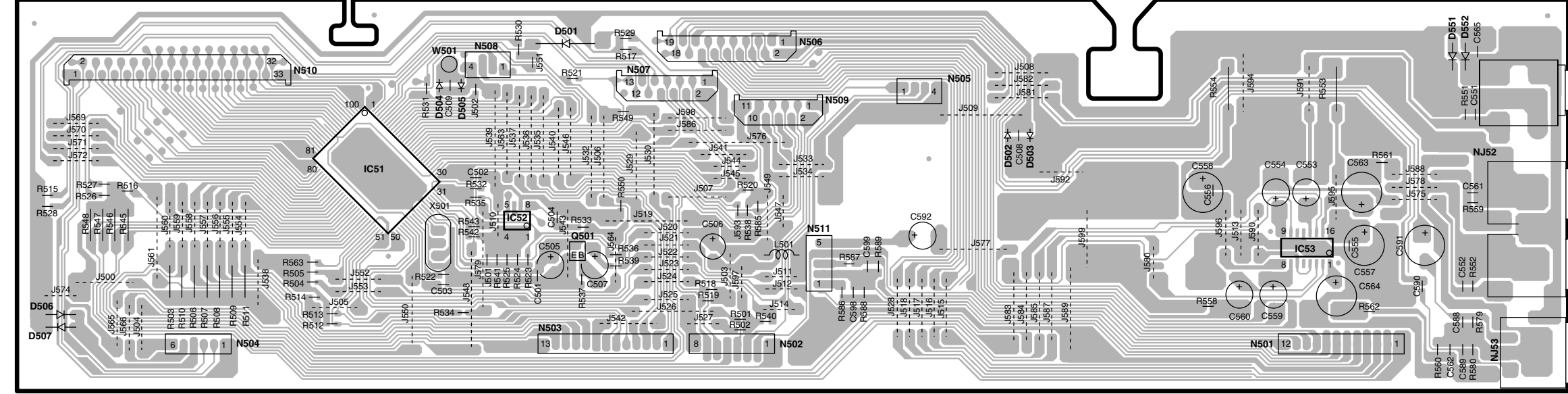
SWITCH BOARD



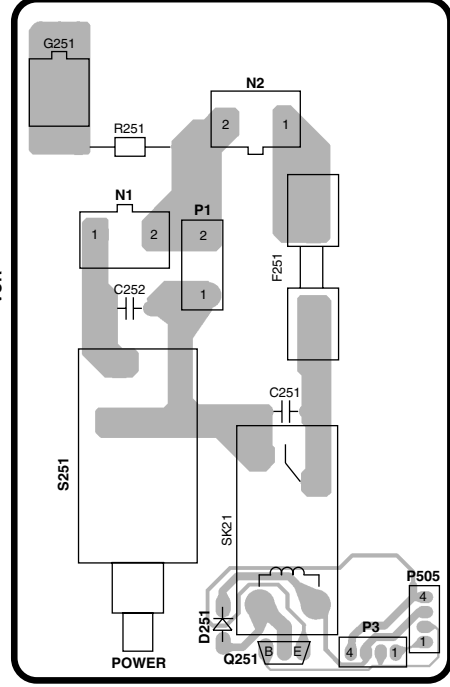
FRONT VIDEO INPUT BOARD



u-COM BOARD

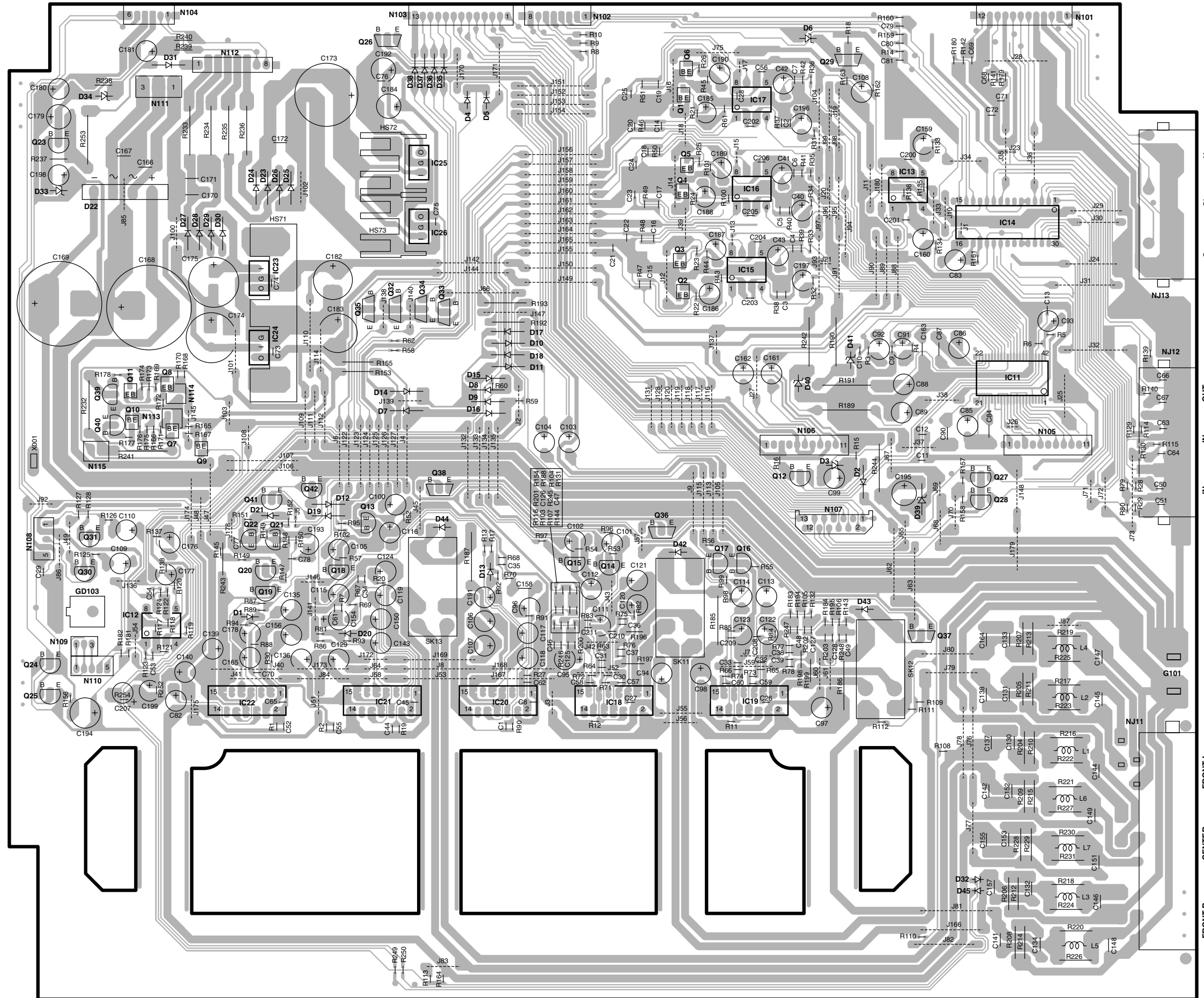


POWER BOARD



PC BOARD(Component side view)

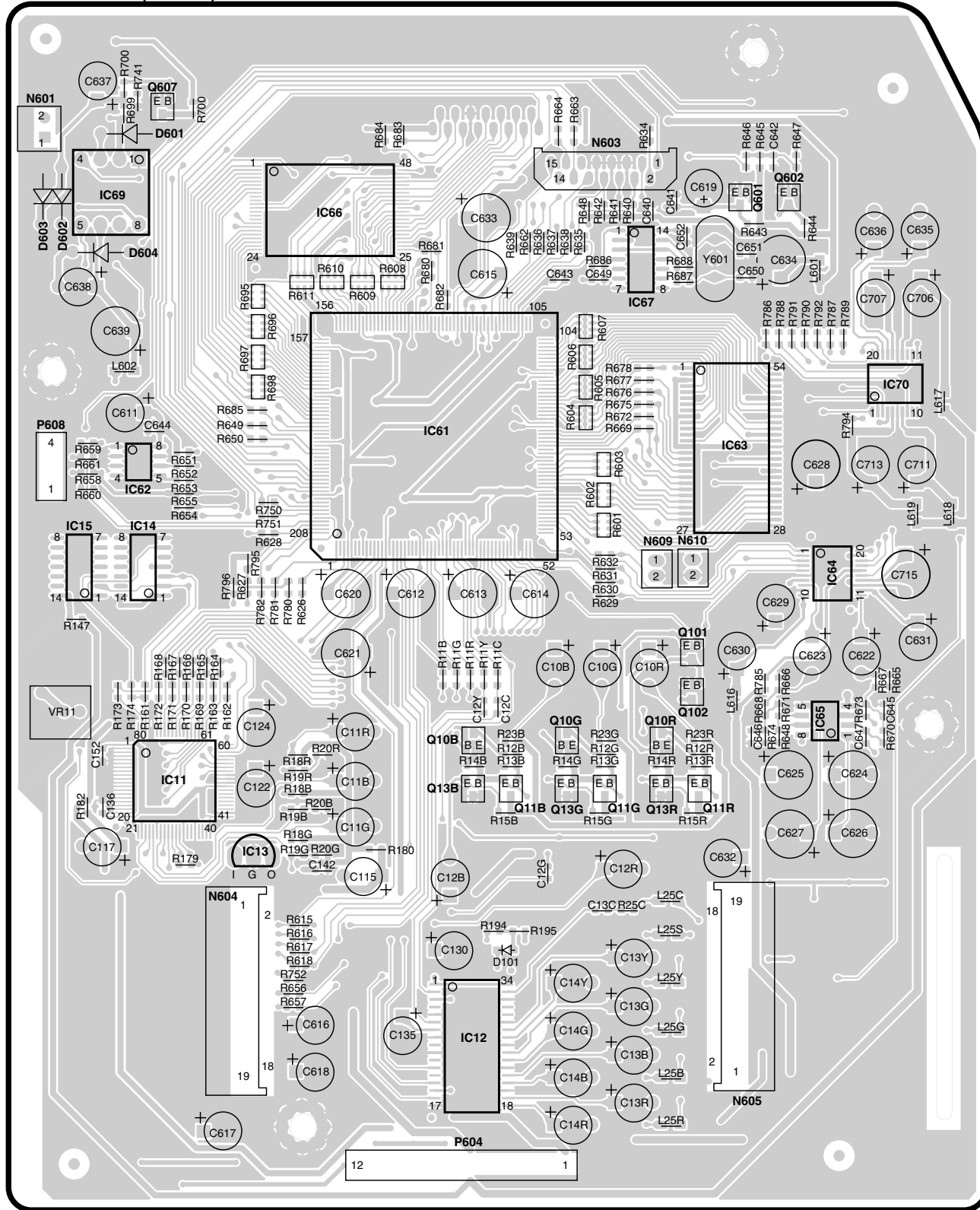
MAIN BOARD



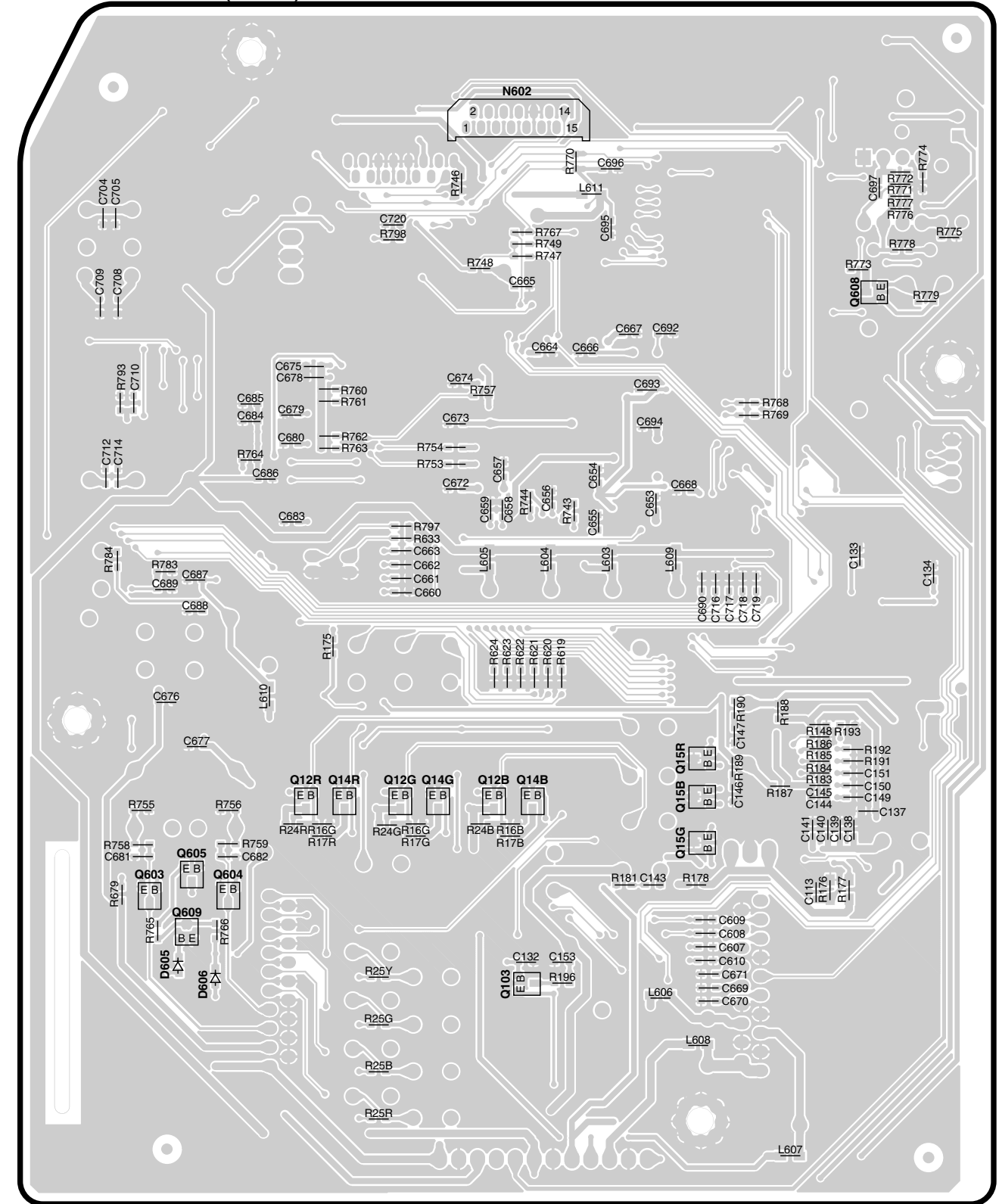
Refer to the schematic diagram for the value of resistors and capacitors.

PC BOARD(Component side view)

DVD BOARD (SIDE A)



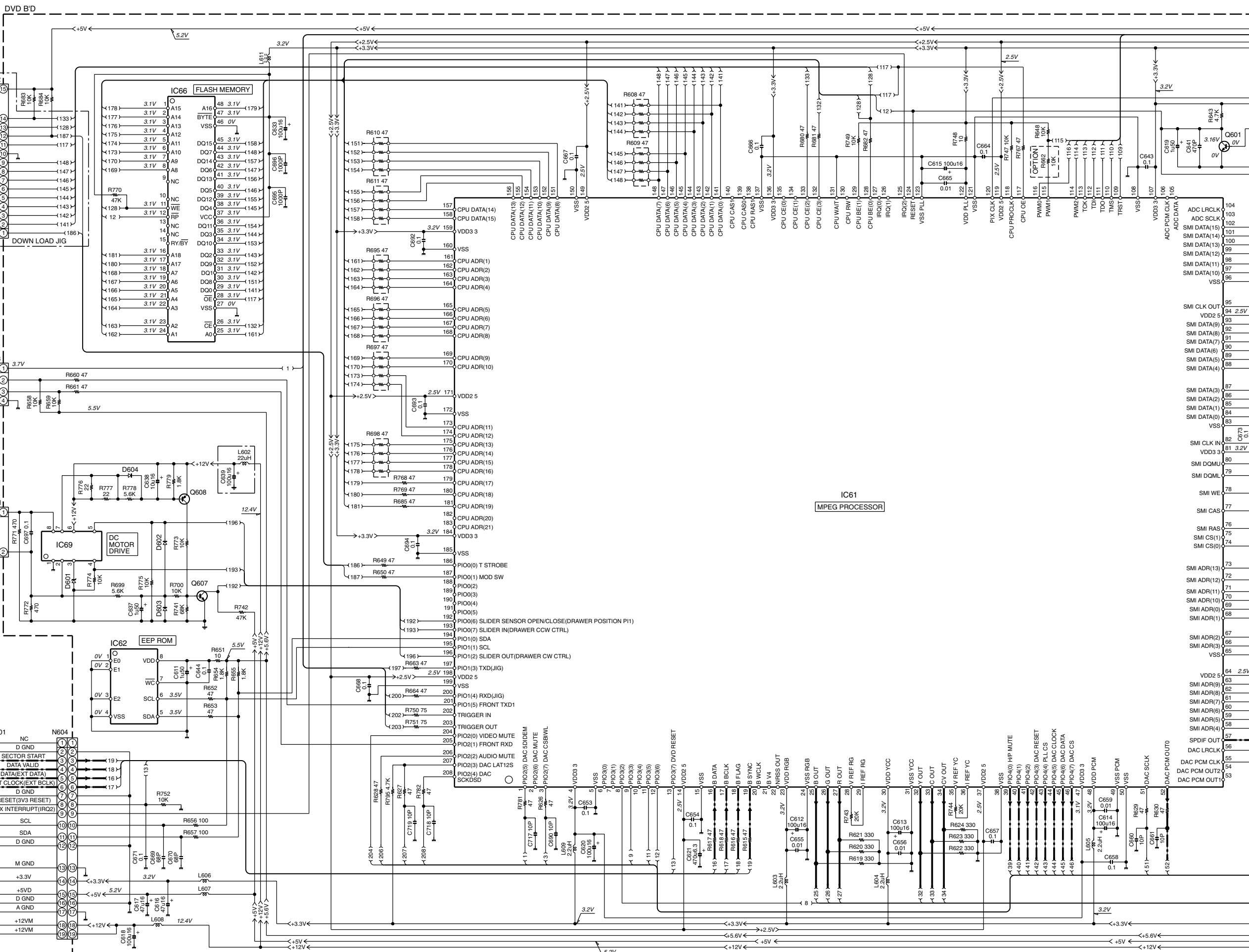
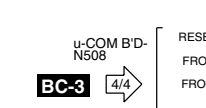
DVD BOARD (SIDE B)



- IC11 : PM0026A
- IC12 : MM1568AJBE
- IC13 : TL431
- IC14 : MC74HC74AD
- IC15 : 74HC86
- IC61 : ST15519
- IC62 : M24C02WMN6
- IC63 : HY57V641620HGT
- IC64 : WM8728
- IC65 : BA4560F
- IC66 : M29W800AT90N1
- IC67 : M74HC04M1R
- IC68 : FAN8082

- Q10B,10G,10R,14B,14G,14R,102 : DTC114YKA
- Q11B,11G,11R,12B,12G,12R : KTN2222AS
- Q13B,13G,13R,15B,15G,15R : KTN2907A
- Q101 : DT1A114YKA
- Q103 : KTC3875(Y)
- Q601,602,607 : KTC3875(Y)
- Q603,604 : DTC323TK
- Q605 : KRA107S
- Q608 : KTA1504Y
- Q102,609 : DTC114YKA

- D101,606 : 1SS355
- D601 : 1N5232B
- D602 : RB441Q-40
- D603,604 : 1N4148
- D605 : UDZ2.2B



- 104 ADC LRCLK
- 103 ADC SCLK
- 102 SMI DATA(15)
- 101 SMI DATA(14)
- 100 SMI DATA(13)
- 99 SMI DATA(12)
- 98 SMI DATA(11)
- 97 SMI DATA(10)
- 96 VSS
- 95 SMI CLK OUT
- 94 VDD2 5
- 93 SMI DATA(9)
- 92 SMI DATA(8)
- 91 SMI DATA(7)
- 90 SMI DATA(6)
- 89 SMI DATA(5)
- 88 SMI DATA(4)
- 87 SMI DATA(3)
- 86 SMI DATA(2)
- 85 SMI DATA(1)
- 84 SMI DATA(0)
- 83 VSS
- 82 SMI CLK IN
- 81 VDD3 3
- 80 SMI DQMU
- 79 SMI DQML
- 78 SMI WE
- 77 SMI CAS
- 76 SMI RAS
- 75 SMI CS(1)
- 74 SMI CS(0)
- 73 SMI ADR(13)
- 72 SMI ADR(12)
- 71 SMI ADR(11)
- 70 SMI ADR(10)
- 69 SMI ADR(9)
- 68 SMI ADR(8)
- 67 SMI ADR(7)
- 66 SMI ADR(6)
- 65 SMI ADR(5)
- 64 SMI ADR(4)
- 63 VDD2 5
- 62 SMI ADR(9)
- 61 SMI ADR(8)
- 60 SMI ADR(7)
- 59 SMI ADR(6)
- 58 SMI ADR(5)
- 57 SMI ADR(4)
- 56 SPDIF OUT
- 55 DAC LRCLK
- 54 DAC PCM CLK
- 53 DAC PCM OUT1

2

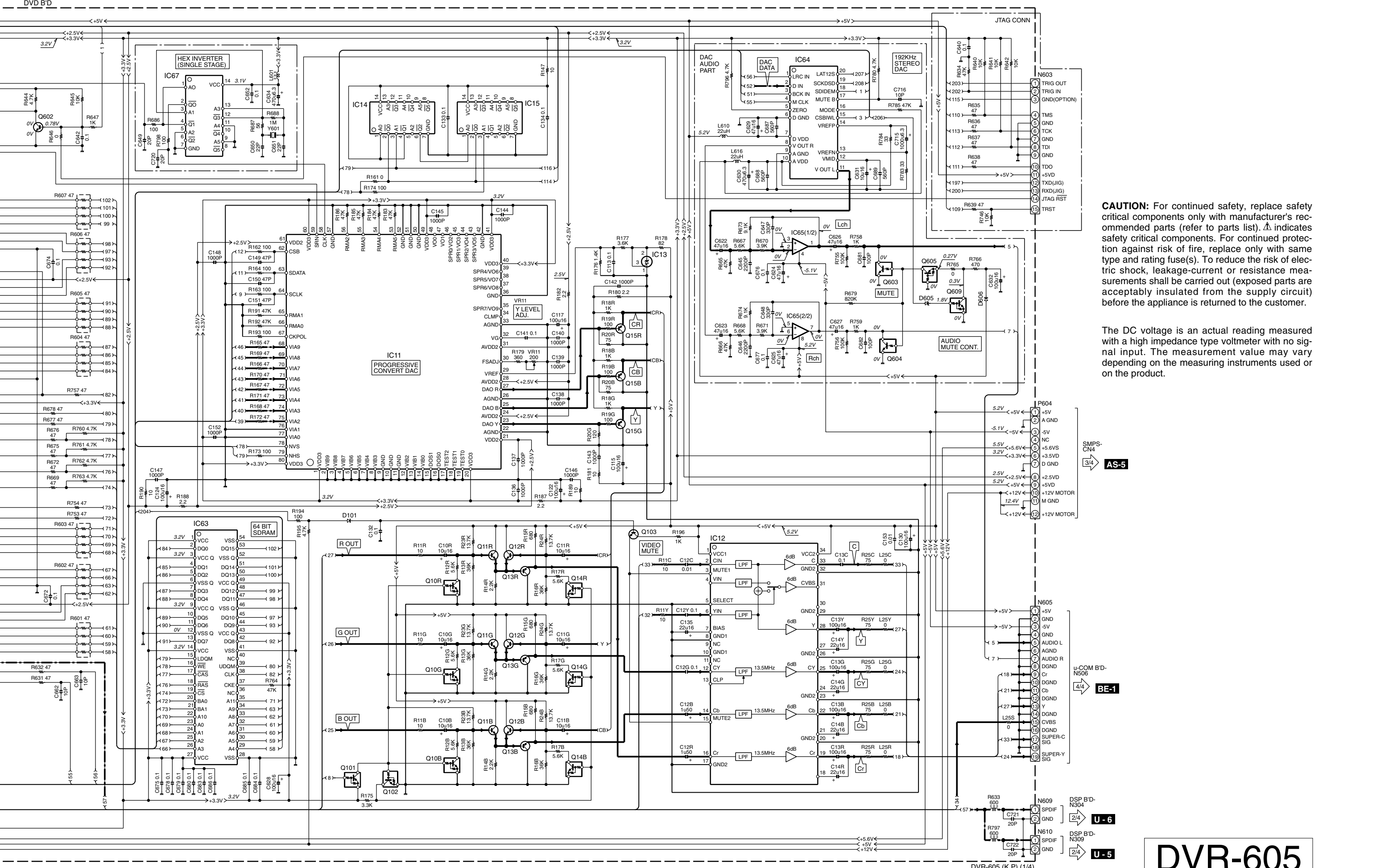
3

4

5

6

7



CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). Δ indicates safety critical components. For continued protection against risk of fire, replace only with same type and rating fuse(s). To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

The DC voltage is an actual reading measured with a high impedance type voltmeter with no signal input. The measurement value may vary depending on the measuring instruments used or on the product.

DVR-605 (K,P) (1/4)

Y39-4480-10

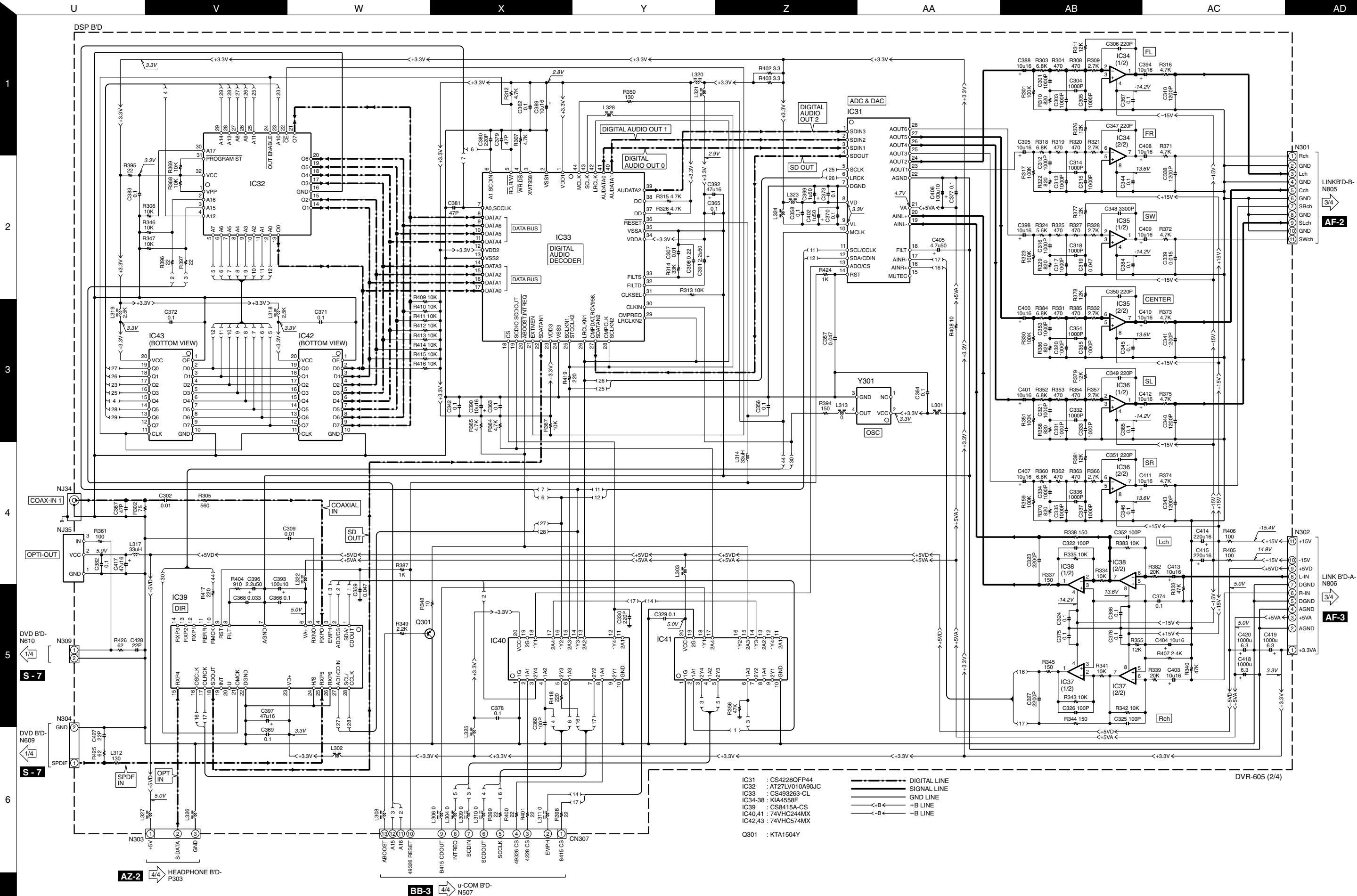


AS-5

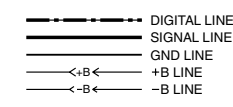
BE-1

U-6

U-5



- IC31 : CS4228OFF44
- IC32 : AT27LV010A90JC
- IC33 : CS493263-CL
- IC34-38 : KIA4558F
- IC39 : CS8415A-CS
- IC40,41 : 74VHC244MX
- IC42,43 : 74VHC574MX
- Q301 : KTA1504Y

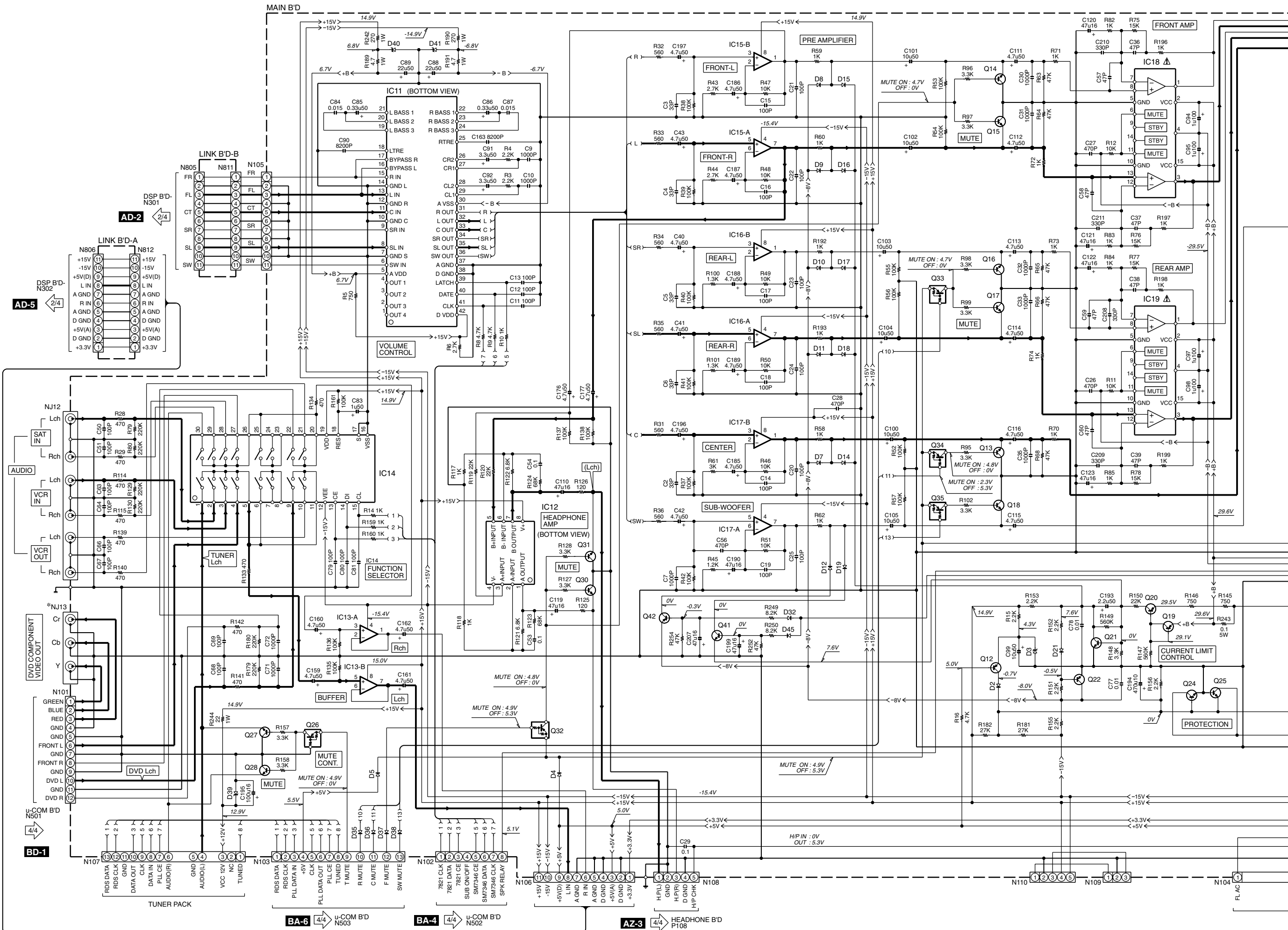


CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). Δ indicates safety critical components. For continued protection against risk of fire, replace only with same type and rating fuse(s). To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

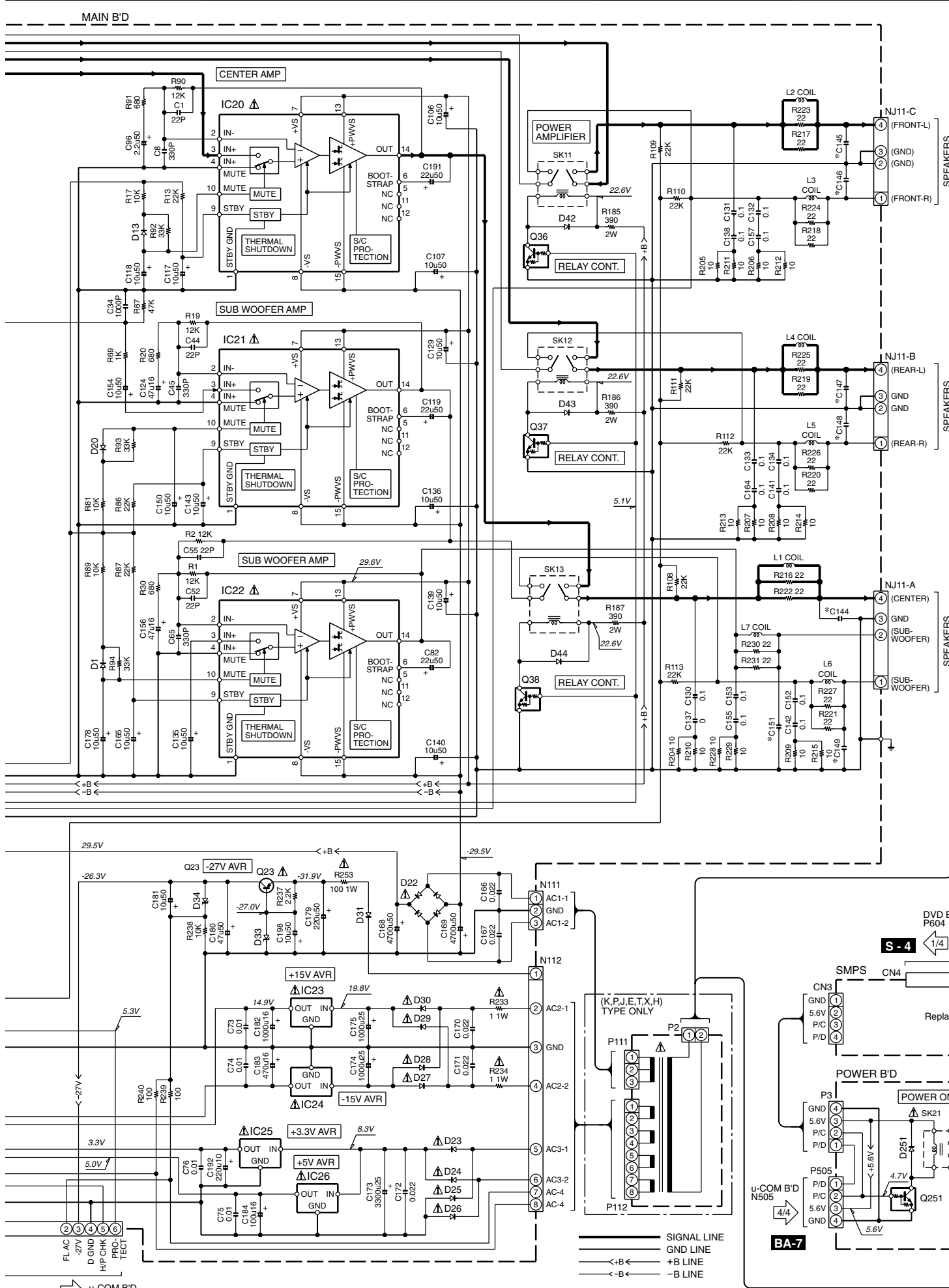
The DC voltage is an actual reading measured with a high impedance type voltmeter with no signal input. The measurement value may vary depending on the measuring instruments used or on the product.

DVR-605
KENWOOD

Y39-4480-10



1
2
3
4
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7



- IC11 : M62446AFP
 - IC12-17 : NJM2068DD
 - IC14 : LC78211
 - IC23,26 : KIA7815API
 - IC24 : KIA7915PI
 - IC25 : BA033T
- Q12,19,20 : KTA1266
 - Q13-18,27,28,30,31 : KTD1302
 - Q21 : KTC3200GR
 - Q22 : KTA1268
 - Q23 : KTA1023
 - Q26,33-35 : DTA114YSA
 - Q36-38 : DTC114YSA
 - Q41 : 2SC1740S
 - Q42 : 2SA933S
- D1,2,4,5,13,20,21,35-38,42-44 : IN4148
 - D3 : 1N5230B
 - D7-12,14-19 : EK03
 - D22 : BU6-04F
 - D23-31 : IN4004
 - D32,45 : 1SS355
 - D33 : BZX55B30
 - D34 : 1N5236B
 - D39 : BZX85C12
 - D40,41 : 1N5235B

DVR-6100

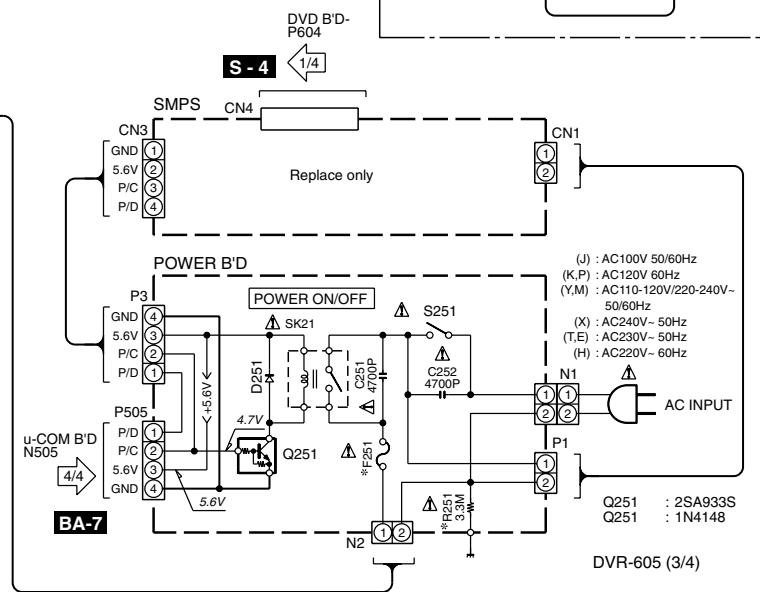
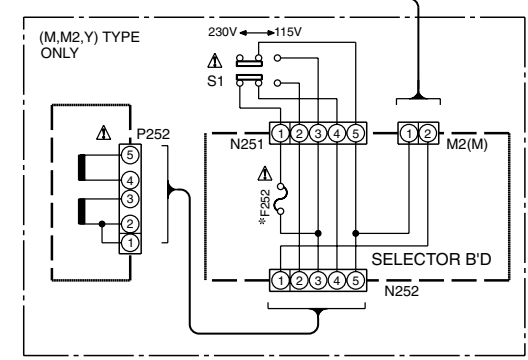
| DESTINATION | C144-149, 151 | F251 | F252 | NJ13 | R251 |
|-------------|---------------|-------|------------|------|------|
| JAPAN | J | 1000P | S2.5A250V | YES | NO |
| EUROPE | E | 4700P | T1.25A250V | NO | NO |
| U.K. | T | 1000P | S2.5A250V | YES | NO |
| AUSTRALIA | X | 4700P | T1.25A250V | NO | NO |

DVR-6100K

| DESTINATION | C144-149, 151 | F251 | F252 | NJ13 | R251 | |
|----------------|---------------|-------|------------|------------|------|----|
| GENERAL MARKET | M | 4700P | T2.5A250V | T1.25A250V | YES | NO |
| GENERAL MARKET | M2 | 4700P | T1.25A250V | NO | NO | NO |
| KOREA | H | 4700P | T1.25A250V | NO | NO | NO |

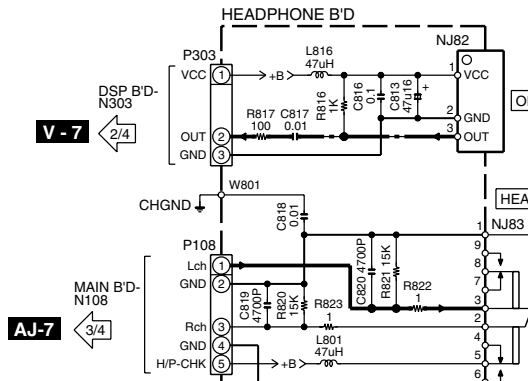
DVR-605

| DESTINATION | C144-149, 151 | F251 | F252 | NJ13 | R251 | |
|-------------|---------------|-------|-----------|------|------|-----|
| U.S.A. | K | 1000P | S2.5A250V | NO | YES | YES |
| CANADA | P | 1000P | S2.5A250V | NO | YES | YES |



CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). Δ indicates safety critical components. For continued protection against risk of fire, replace only with same type and rating fuse(s). To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

The DC voltage is an actual reading measured with a high impedance type voltmeter with no signal input. The measurement value may vary depending on the measuring instruments used or on the product.



DVR-6100

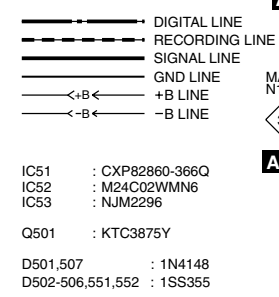
| DESTINATION | COUNTRY | ABB. | J501 | R525 | R531 | R541 | R542 |
|-------------|---------|------|------|------|------|------|------|
| JAPAN | J | | NO | YES | | NO | 1.2K |
| AUSTRALIA | X | | | | NO | | 4.7K |
| UK | T | | | | YES | | 1.2K |
| EUROPE | E | | | | | YES | 1.2K |

DVR-6100K

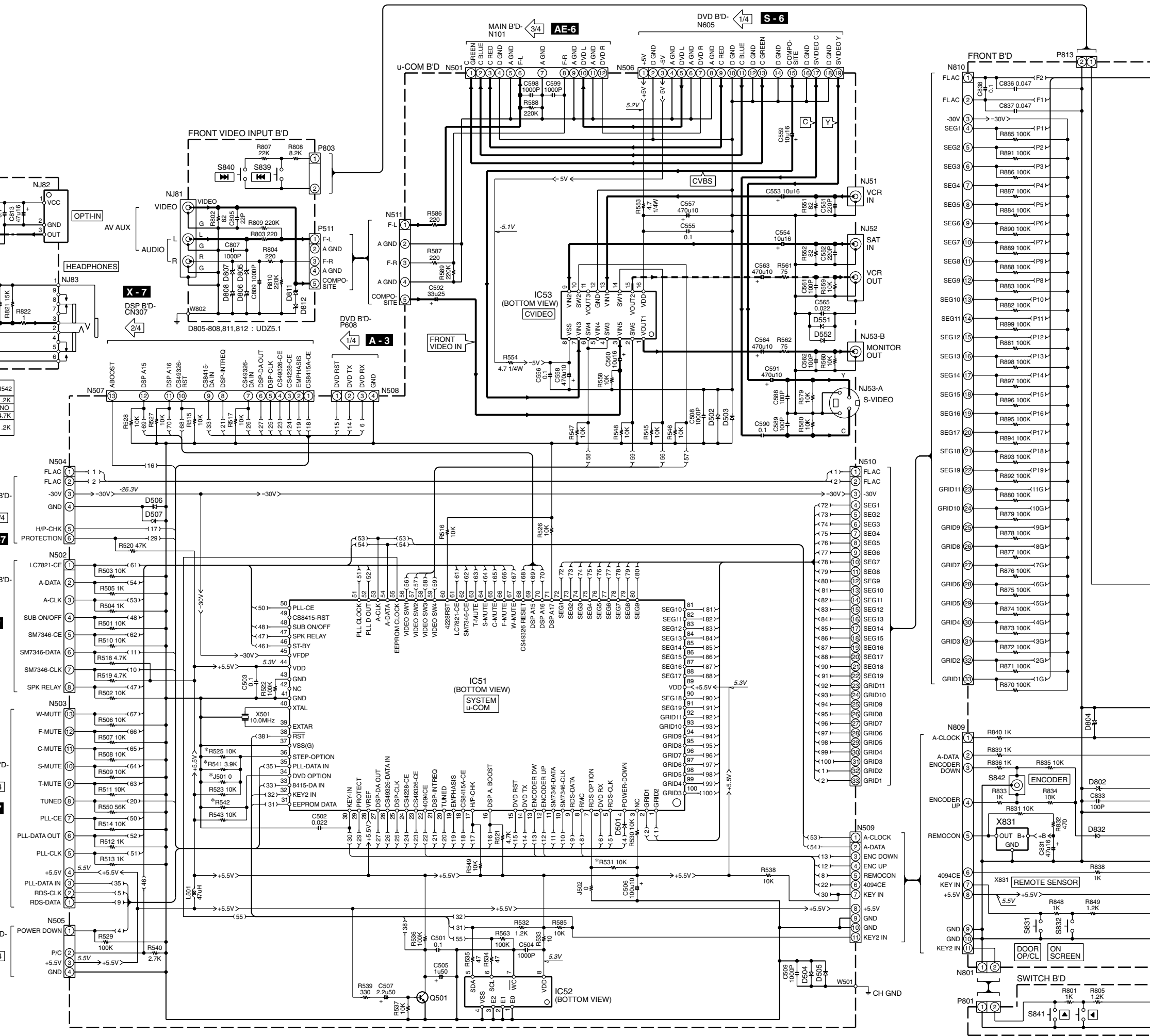
| DESTINATION | COUNTRY | ABB. | J501 | R525 | R531 | R542 |
|----------------|---------|------|------|------|------|------|
| KOREA | H | | | | | 3.9K |
| GENERAL MARKET | M | | YES | | NO | 1.2K |
| GENERAL MARKET | M2 | | | | | 1.2K |

DVR-605

| DESTINATION | COUNTRY | ABB. | J501 | R525 | R531 | R542 |
|-------------|---------|------|------|------|------|------|
| U.S.A. | K | | | | | NO |
| CANADA | P | | | | | NO |



IC51 : CXP82860-366Q
 IC52 : M24C02WMN6
 IC53 : NJM2296
 Q501 : KTC3875Y
 D501,507 : 1N4148
 D502-506,551,552 : 1SS355



MAIN B'D- N102

| FLAC | FLAC | -30V | GND | H/P-CHK | PROTECTION |
|------|------|------|-----|---------|------------|
| 1 | 2 | 3 | 4 | 5 | 6 |

MAIN B'D- N103

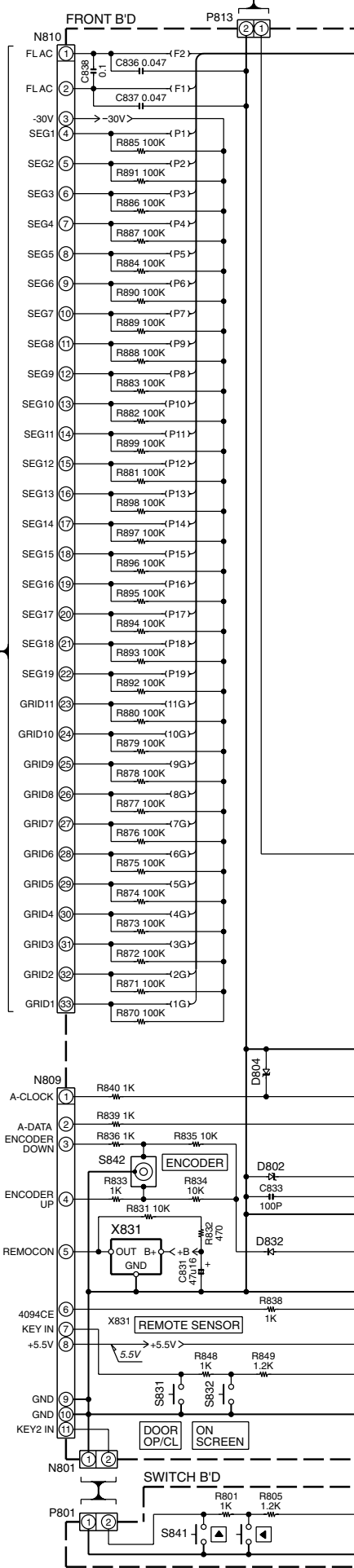
| LC7821-CE | A-DATA | A-CLK | SUB ON/OFF | SM7346-CE | SM7346-DATA | SM7346-CLK | SPK RELAY |
|-----------|--------|-------|------------|-----------|-------------|------------|-----------|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |

MAIN B'D- N104

| W-MUTE | F-MUTE | C-MUTE | S-MUTE | T-MUTE | TUNED | PLL-CE | PLL-DATA OUT | PLL-CLK | +5.5V | PLL-DATA IN | RDS-CLK | RDS-DATA |
|--------|--------|--------|--------|--------|-------|--------|--------------|---------|-------|-------------|---------|----------|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 |

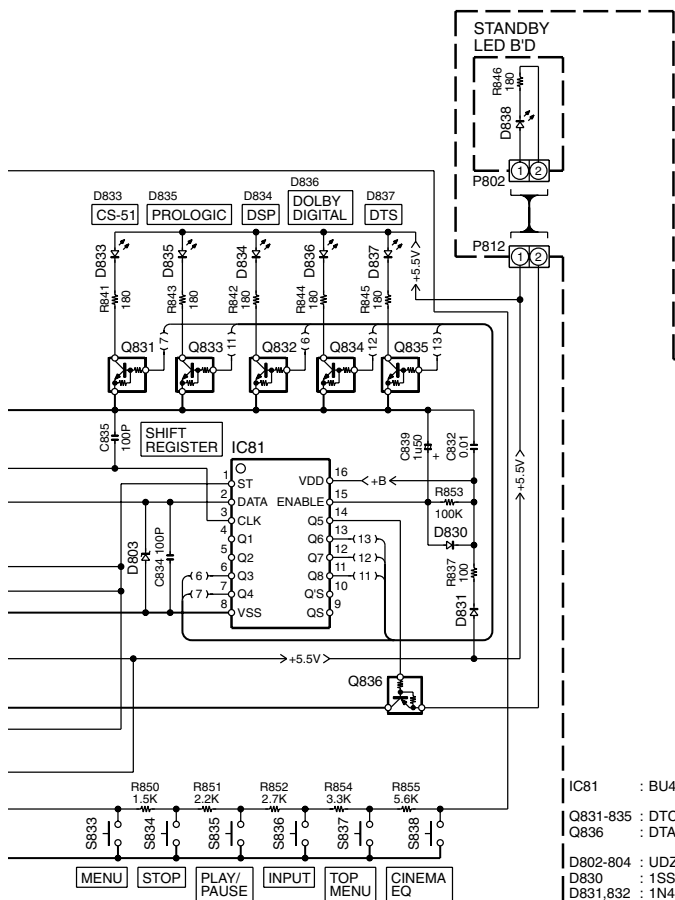
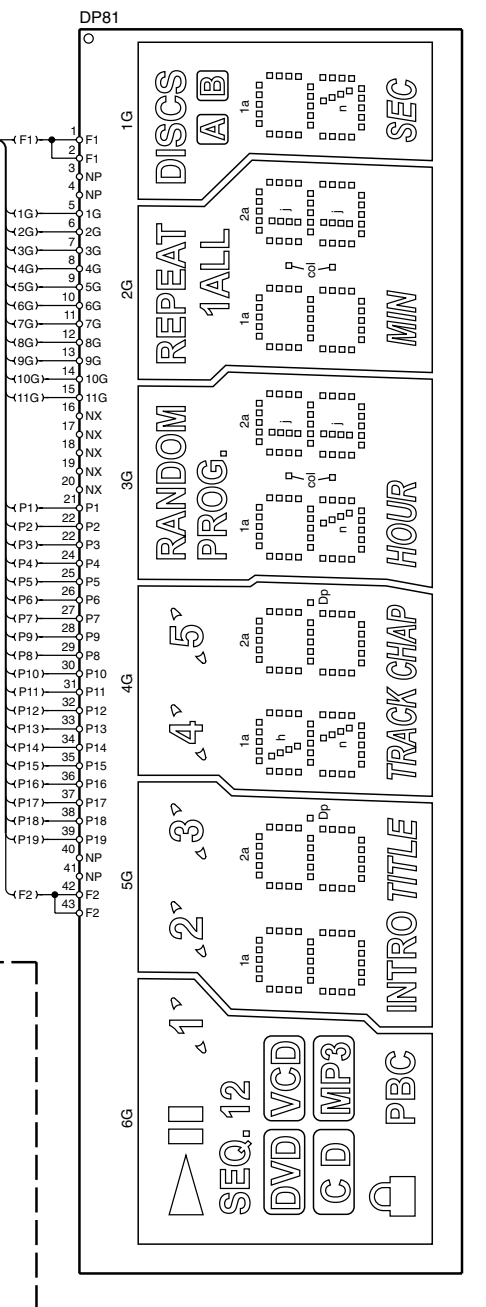
POWER B'D- P505

| POWER DOWN | P/C | +5.5V | GND |
|------------|-----|-------|-----|
| 1 | 2 | 3 | 4 |



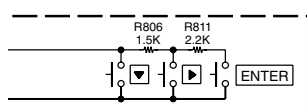
FRONT B'D

| | | | | | | |
|-----|-------|-------|-------|--------|--------|------|
| | 6G | 5G | 4G | 3G | 2G | 1G |
| P1 | □□ | 1a | 1a | 1a | 1a | 1a |
| P2 | ▷ | 1b | 1b | 1b | 1b | 1b |
| P3 | SEQ. | 1c | 1c | 1c | 1c | 1c |
| P4 | 1 | 1d | 1d | 1d | 1d | 1d |
| P5 | 2 | 1e | 1e | 1e | 1e | 1e |
| P6 | — | 1f | 1f | 1f | 1f | 1f |
| P7 | DVD | 1g | 1g | 1g | 1g | 1g |
| P8 | VCD | — | 1h | HOUR | MIN | SEC |
| P9 | CD | TITLE | 1n | 1n | REPEAT | 1n |
| P10 | MP3 | — | CHAP | col | col | — |
| P11 | 🔒 | 2a | 2a | 2a | 2a | — |
| P12 | PCB | 2b | 2b | 2b | 2b | — |
| P13 | — | 2c | 2c | 2c | 2c | — |
| P14 | — | 2d | 2d | 2d | 2d | — |
| P15 | — | 2e | 2e | 2e | 2e | — |
| P16 | — | 2f | 2f | 2f | 2f | — |
| P17 | — | 2g | 2g | 2g | 2g | A |
| P18 | — | INTRO | TRACK | 2j | 2j | B |
| P19 | — | Dp | Dp | RANDOM | 1 | DISC |
| P20 | △(1)▷ | △(3) | △(5) | PROG. | ALL | S |
| P21 | — | △(2) | △(4) | — | — | — |
| P22 | 1 | 3 | 5 | — | — | — |
| P23 | — | 2 | 4 | — | — | — |



- IC81 : BU4094BF
- Q831-835 : DTC114YKA
- Q836 : DTA114YKA
- D802-804 : UDZ5.1
- D830 : 1SS355
- D831,832 : 1N4148
- D833-838 : B30-2638-08

DVR-605 (4/4)



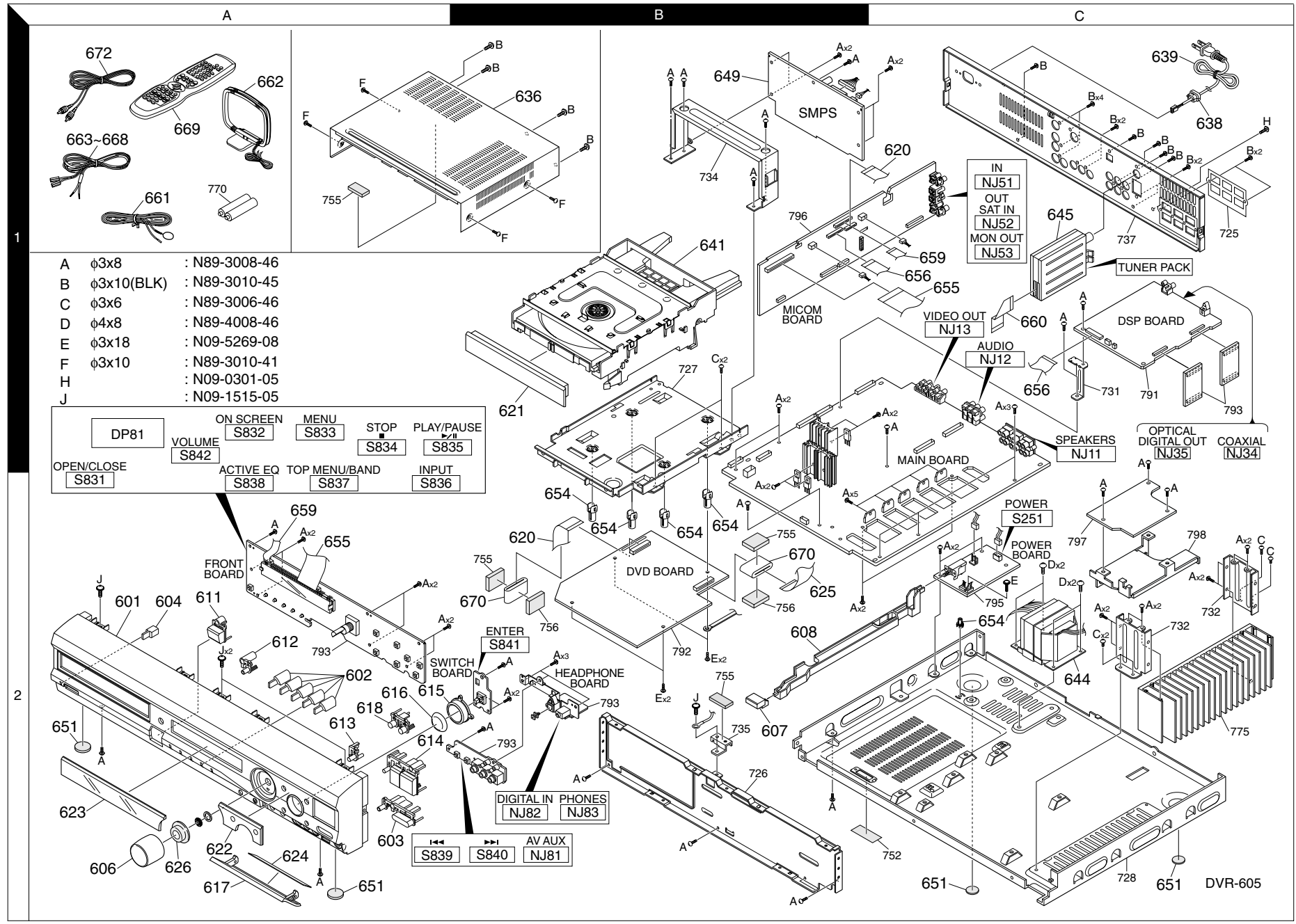
CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). △ indicates safety critical components. For continued protection against risk of fire, replace only with same type and rating fuse(s). To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

The DC voltage is an actual reading measured with a high impedance type voltmeter with no signal input. The measurement value may vary depending on the measuring instruments used or on the product.

DVR-605

KENWOOD

Y39-4480-10



Parts with exploded numbers larger than 700 are not supplied.

* New Parts

Parts without **Parts No.** are not supplied.
Les articles non mentionnés dans le **Parts No.** ne sont pas fournis.
Teile ohne **Parts No.** werden nicht geliefert.

1

| Ref. No | Add-ress | New Parts | Parts No. | Description | Desti-nation | Re-marks |
|----------------|----------|-----------|-------------|------------------------------|--------------|----------|
| DVR-605 | | | | | | |
| 601 | 2A | * | B07-2651-08 | DEC CABINET | 55316850#1 | |
| 602 | 2A | * | B10-3897-08 | MLD INDICATO | 55316820#22 | |
| 603 | 2A | * | K29-8248-08 | DEC BUTTON I | 55316650#10 | |
| 604 | 2A | * | B10-3898-08 | MLD INDICATO | 55316830#26 | |
| 606 | 2A | * | K29-8249-08 | DEC KNOB MAI | 55316740#5 | |
| 607 | 2B | * | K29-8250-08 | DEC BUTTON P | 55316690#25 | |
| 608 | 2B | | D21-2932-08 | PLASTIC MLD | 55220710#49 | |
| 611 | 2A | * | K29-8251-08 | DEC BUTTON O | 55316670#24 | |
| 612 | 2A | * | K29-8252-08 | DEC BUTTON C | 55316640#21 | |
| 613 | 2A | * | K29-8253-08 | DEC BUTTON O | 55316660#20 | |
| 614 | 2A | * | K29-8254-08 | DEC BUTTON P | 55316680#13 | |
| 615 | 2A | * | B07-2655-08 | DEC RING/BUT | 55316810#12 | |
| 616 | 2A | * | K29-8255-08 | DEC BUTTON S | 55316700#11 | |
| 617 | 2A | * | B07-2656-08 | DEC DOOR FUN | 55316720#8 | |
| 618 | 2A | * | K29-8256-08 | DEC BUTTON S | 55316710#14 | |
| 620 | 2B,1C | * | E35-3452-08 | FFC-300M/M 19X | 21178300 | |
| 621 | 1B | * | B07-2657-08 | DEC DOOR TRA | 55316730#2 | |
| 622 | 2A | * | B10-3899-08 | DEC CRYSTAL | 55316770#7 | |
| 623 | 2A | * | B10-3900-08 | DEC CRYSTAL | 55316760#4 | |
| 624 | 2A | * | B07-2658-08 | CPL DOOR PLA | 55316800#9 | |
| 625 | 2B | * | E35-3453-08 | FFC-80M/M 19X | 55181200 | |
| 626 | 2A | * | G11-2914-08 | RAW SHIELD R | 55189590#6 | |
| 636 | 1B | | A01-3863-08 | PUN COVER TO | 55220680#56 | |
| 638 | 1C | | J42-0350-08 | MLD CLAMP AC | 55125180#48 | |
| 639 | 1C | | E30-2991-08 | WIRE-MCRDM | 55099250#47 | |
| 641 | 1B | | D40-1787-08 | OK TVM 502 T | 10718640#55 | |
| 644 | 2C | * | L07-3234-08 | TF-LAM POWER | 55328180 | |
| 645 | 1C | * | W02-2964-08 | EPR TUNER MO | 5516112A | |
| 649 | 1B | | W02-2929-08 | MSA ASY SMPS | 55161420 | |
| 651 | 2A,2C | | J02-1544-08 | FOOT CUSHION | 55220690#3 | |
| 654 | 2B,2C | | J19-6169-08 | MLD BRACKET | 55164980#54 | |
| 655 | 2A,1C | | E35-3273-08 | FFC-JUMPER 33X | 55164010 | |
| 656 | 1C | | E35-3271-08 | FFC-JUMPER 13X | 55328220 | |
| 659 | 2A,1C | | E35-3272-08 | FFC-JUMPER 11X | 55163980 | |
| 660 | 1C | | E35-3271-08 | FFC-JUMPER 13X | 55163940 | |
| 661 | 1A | | T90-0882-08 | ANTENNA WIRE | 55127470 | |
| 662 | 1A | | T90-0896-08 | ANTENNA LOOP | 55208620 | |
| 663 | 1A | | E30-7265-08 | WIRE-SP 4M,RD | 55236710 | |
| 664 | 1A | * | E30-7283-08 | WIRE-SP 4M,GN | 55236730 | |
| 665 | 1A | * | E30-7284-08 | WIRE-SP 8M,BU | 55380840 | |
| 666 | 1A | * | E30-7285-08 | WIRE-SP 4.5M,VT | 55380850 | |
| 667 | 1A | * | E30-7269-08 | WIRE-SP 8M,GY | 55192270 | |
| 668 | 1A | * | E30-7286-08 | WIRE-SP 4M,WH | 55380860 | |
| 669 | 1A | * | A70-1607-08 | EPR RCT REMOC | 55393340 | |
| 670 | 2B | | L92-0560-08 | FCORE FERRIT | 55177290 | |
| 672 | 1A | | E30-1427-05 | WIRE-CABSP AUDI | 55192120 | |
| - | | * | B60-5262-08 | BOOK INSTR(EN) | 55349890 | |
| △ F251 | | | F50-0073-05 | FUSULSLWBL 2.5 | 20828870 | |
| - | | | H10-7818-08 | MAT-PKG CUSHI | 5520874A | |
| - | | | H10-7883-08 | POLYSTYRENE FOAMED FIXTURE L | | |
| - | | | H10-7884-08 | POLYSTYRENE FOAMED FIXTURE R | | |
| - | | | H21-1514-08 | SHEET EPE RT | 55135940 | |
| - | | | H25-1712-08 | CPL BAG RCA | 55170650 | |

L: Scandinavia K: USA P: Canada R: Mexico C: China I: Malaysia
Y: PX(Far East,Hawaii) T: England E: Europe G: Germany V: China(Shanghai)
Y: AAFES(Europe) X: Australia Q: Russia H: Korea M: Other Areas △ indicates safety critical components.

* New Parts

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2

| Ref. No | Add-ress | New Parts | Parts No. | Description | Desti-nation | Re-marks |
|---------------------|----------|-----------|---------------|---------------------------|--------------|----------|
| - | | | H25-1715-08 | CPL BAG PE C | 20715540 | |
| - | | | H25-1731-08 | CPL BAG POLY | 55237020 | |
| - | | | H25-1732-08 | CPL BAG PE 4 | 55030950 | |
| - | | * | H50-4588-08 | CARTON DVR60 | 55333230 | |
| E | | | N09-5269-08 | SCREW-ST 3MM | 55127290 | |
| △ IC18,9 | | | LM4766T | IC(AUDIO POWER AMPLIFIER) | | |
| △ IC20-2 | | | TDA7294 | IC-POWAMP | TDA7294 | |
| POWER SUPPLY | | | | | | |
| △ C251,2 | | | C91-1645-08 | CERAMIC | 0.0047UF | 250VAC |
| △ R251 | | | R92-1844-05 | CARBON | 3.3M J | 1/2W |
| △ SK21 | | | S76-0137-08 | RELAYPWR 5.0V | 55183470 | |
| △ S251 | | | S90-0149-08 | SWIPUSH POWER | 55141570 | |
| D251 | | | 1N4148 | D-SLP | 1N4148 | |
| Q251 | | | DTC114YSA | TR-SLPLF | DTC114YSA | |
| MAIN PCB | | | | | | |
| C 1 | | | CC73GCH1H220J | CHIP C | 22PF | J |
| C 2-6 | | | CC73GCH1H330J | CHIP C | 33PF | J |
| C 7 | | | CK73GB1H102K | CHIP C | 1000PF | K |
| C 8 | | | CK73GB1H331J | CHIP C | 330PF | J |
| C 9,10 | | | CK73GB1H102K | CHIP C | 1000PF | K |
| C 11-25 | | | CC73GCH1H101J | CHIP C | 100PF | J |
| C 26-8 | | | CC73GCH1H471J | CHIP C | 470PF | J |
| C 29 | | | CK73GB1C104K | CHIP C | 0.10UF | K |
| C 30-5 | | | CK73GB1H102K | CHIP C | 1000PF | K |
| C 36-9 | | | CC73GCH1H470J | CHIP C | 47PF | J |
| C 40-3 | | | CE04LW1H4R7M | ELECTRO | 4.7UF | 50WV |
| C 44 | | | CC73GCH1H220J | CHIP C | 22PF | J |
| C 45 | | | CK73GB1H331J | CHIP C | 330PF | J |
| C 50,1 | | | CC73GCH1H101J | CHIP C | 100PF | J |
| C 52 | | | CC73GCH1H220J | CHIP C | 22PF | J |
| C 53,4 | | | CK73GB1C104K | CHIP C | 0.10UF | K |
| C 55 | | | CC73GCH1H220J | CHIP C | 22PF | J |
| C 56 | | | CC73GCH1H471J | CHIP C | 470PF | J |
| C 57-60 | | | CC73GCH1H470J | CHIP C | 47PF | J |
| C 63,4 | | | CC73GCH1H101J | CHIP C | 100PF | J |
| C 65 | | | CK73GB1H331J | CHIP C | 330PF | J |
| C 66-9 | | | CC73GCH1H101J | CHIP C | 100PF | J |
| C 71,2 | | | CK73GB1H102K | CHIP C | 1000PF | K |
| C 73-8 | | | CK73GB1H103K | CHIP C | 0.010UF | K |
| C 79-81 | | | CC73GCH1H101J | CHIP C | 100PF | J |
| C 82 | | | CE04LW1H220M | ELECTRO | 22UF | 50WV |
| C 83 | | | CE04LW1H010M | ELECTRO | 1.0UF | 50WV |
| C 84 | | | CQ92M1H153K | MYLAR | 0.015UF | K |
| C 85,6 | | | CE04LW1HR33M | ELECTRO | 0.33UF | 50WV |
| C 87 | | | CQ92M1H153K | MYLAR | 0.015UF | K |
| C 88,9 | | | CE04LW1H220M | ELECTRO | 22UF | 50WV |
| C 90 | | | CQ92M1H822K | MYLAR | 8200PF | K |
| C 91,2 | | | CE04LW1H3R3M | ELECTRO | 3.3UF | 50WV |
| C 94,5 | | | CE04LW2A010M | ELECTRO | 1.0UF | 100WV |
| C 96 | | | CE04LW1H2R2M | ELECTRO | 2.2UF | 50WV |
| C 97,8 | | | CE04LW2A010M | ELECTRO | 1.0UF | 100WV |

L: Scandinavia K: USA P: Canada R: Mexico C: China I: Malaysia
Y: PX(Far East,Hawaii) T: England E: Europe G: Germany V: China(Shanghai)
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PARTS LIST

DVR-605

* New Parts

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③

| Ref. No | Add-ress | New Parts | Parts No. | Description | Desti-nation | Re-marks |
|----------|----------|-----------|--------------|-------------------------|--------------|----------|
| C 99-107 | | | CE04LW1H100M | ELECTRO 10UF 50WV | | |
| C109,10 | | | CE04LW1C470M | ELECTRO 47UF 16WV | | |
| C111-6 | | | CE04LW1H4R7M | ELECTRO 4.7UF 50WV | | |
| C117,8 | | | CE04LW1H100M | ELECTRO 10UF 50WV | | |
| C119 | | | CE04LW1H220M | ELECTRO 22UF 50WV | | |
| C120-4 | | | CE04LW1C470M | ELECTRO 47UF 16WV | | |
| C129 | | | CE04LW1H100M | ELECTRO 10UF 50WV | | |
| C130-4 | | | CQ92FM1H104K | MYLAR 0.10UF K | | |
| C135,6 | | | CE04LW1H100M | ELECTRO 10UF 50WV | | |
| C137,8 | | | CQ92FM1H104K | MYLAR 0.10UF K | | |
| C139,40 | | | CE04LW1H100M | ELECTRO 10UF 50WV | | |
| C141,2 | | | CQ92FM1H104K | MYLAR 0.10UF K | | |
| C143 | | | CE04LW1H100M | ELECTRO 10UF 50WV | | |
| C144-9 | | | CQ92FM1H102K | MYLAR 1000PF K | | |
| C150 | | | CE04LW1H100M | ELECTRO 10UF 50WV | | |
| C151 | | | CQ92FM1H102K | MYLAR 1000PF K | | |
| C152,3 | | | CQ92FM1H104K | MYLAR 0.10UF K | | |
| C154 | | | CE04LW1H100M | ELECTRO 10UF 50WV | | |
| C155 | | | CQ92FM1H104K | MYLAR 0.10UF K | | |
| C156 | | | CE04LW1C470M | ELECTRO 47UF 16WV | | |
| C157 | | | CQ92FM1H104K | MYLAR 0.10UF K | | |
| C158 | | | - | BCL 0.5MM TIN 20330130 | | |
| C159-62 | | | CE04LW1H4R7M | ELECTRO 4.7UF 50WV | | |
| C163 | | | CQ92M1H822K | MYLAR 8200PF K | | |
| C164 | | | CQ92FM1H104K | MYLAR 0.10UF K | | |
| C165 | | | CE04LW1H100M | ELECTRO 10UF 50WV | | |
| C166,7 | | | CQ92FM1H223K | MYLAR 0.022UF K | | |
| C168,9 | | | CE04KW1H472M | ELECTRO 4700UF 50WV | | |
| C170-2 | | | CQ92FM1H223K | MYLAR 0.022UF K | | |
| C173 | | | CE04KW1E332M | ELECTRO 3300UF 25WV | | |
| C174,5 | | | CE04KW1E102M | ELECTRO 1000UF 25WV | | |
| C176,7 | | | CE04LW1H4R7M | ELECTRO 4.7UF 50WV | | |
| C178 | | | CE04LW1H100M | ELECTRO 10UF 50WV | | |
| C179 | | | CE04LW1H221M | ELECTRO 220UF 50WV | | |
| C180 | | | CE04LW1H470M | ELECTRO 47UF 50WV | | |
| C181 | | | CE04LW1H100M | ELECTRO 10UF 50WV | | |
| C182 | | | CE04KW1C102M | ELECTRO 1000UF 16WV | | |
| C183 | | | CE04LW1C470M | ELECTRO 47UF 16WV | | |
| C184 | | | CE04LW1C101M | ELECTRO 100UF 16WV | | |
| C185-9 | | | CE04LW1H4R7M | ELECTRO 4.7UF 50WV | | |
| C190 | | | CE04LW1C470M | ELECTRO 47UF 16WV | | |
| C191 | | | CE04LW1H220M | ELECTRO 22UF 50WV | | |
| C192 | | | CE04LW1A221M | ELECTRO 220UF 10WV | | |
| C193 | | | CE04LW1H2R2M | ELECTRO 2.2UF 50WV | | |
| C194 | | | CE04LW1A471M | ELECTRO 470UF 10WV | | |
| C195 | | | CE04LW1C101M | ELECTRO 100UF 16WV | | |
| C196,7 | | | CE04LW1H4R7M | ELECTRO 4.7UF 50WV | | |
| C198 | | | CE04LW1H100M | ELECTRO 10UF 50WV | | |
| C199 | | | CE04LW1C470M | ELECTRO 47UF 16WV | | |
| C207 | | | CE04LW1C470M | ELECTRO 47UF 16WV | | |
| C208-11 | | | CK73GB1H331J | CHIP C 330PF J | | |
| N107 | | | E41-0824-08 | CONN 1.25MM 13 55124790 | | |
| NJ11 | | | E70-0165-08 | CONN-SPE TERMI 55237010 | | |
| NJ12 | | | E63-1270-08 | CON PHONO SCKT 55203340 | | |

L : Scandinavia K : USA P : Canada R : Mexico C : China I : Malaysia
 Y : PX(Far East,Hawaii) T : England E : Europe G : Germany V : China(Shanghai)
 Y : AAFES(Europe) X : Australia Q : Russia H : Korea M : Other Areas Δ indicates safety critical components.

* New Parts

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④

| Ref. No | Add-ress | New Parts | Parts No. | Description | Desti-nation | Re-marks |
|---------|----------|-----------|--------------|-------------------------|--------------|----------|
| NJ13 | | | E63-1271-08 | CON PHONO SCKT 55192000 | | |
| L 1-7 | | | L39-1624-08 | LFA 1MM 10MM 7 21070690 | | |
| J 1 | | | RK73GB1J000J | CHIP R 0 J 1/16W | | |
| J 5 | | | RK73GB1J000J | CHIP R 0 J 1/16W | | |
| J 13 | | | RK73GB1J000J | CHIP R 0 J 1/16W | | |
| J 15 | | | RK73GB1J000J | CHIP R 0 J 1/16W | | |
| J 17 | | | RK73GB1J000J | CHIP R 0 J 1/16W | | |
| J 19 | | | RK73GB1J000J | CHIP R 0 J 1/16W | | |
| J 20,1 | | | RK73GB1J000J | CHIP R 0 J 1/16W | | |
| J 23 | | | RK73GB1J000J | CHIP R 0 J 1/16W | | |
| J 26 | | | RK73GB1J000J | CHIP R 0 J 1/16W | | |
| R 1,2 | | | RK73GB1J123J | CHIP R 12K J 1/16W | | |
| R 3,4 | | | RK73GB1J222J | CHIP R 2.2K J 1/16W | | |
| R 5 | | | RK73GB1J751J | CHIP R 750 J 1/16W | | |
| R 6 | | | RK73GB1J272J | CHIP R 2.7K J 1/16W | | |
| R 8,9 | | | RK73GB1J472J | CHIP R 4.7K J 1/16W | | |
| R 10 | | | RK73GB1J102J | CHIP R 1.0K J 1/16W | | |
| R 11,2 | | | RK73GB1J103J | CHIP R 10K J 1/16W | | |
| R 13 | | | RK73GB1J223J | CHIP R 22K J 1/16W | | |
| R 14 | | | RK73GB1J102J | CHIP R 1.0K J 1/16W | | |
| R 15 | | | RK73GB1J222J | CHIP R 2.2K J 1/16W | | |
| R 16 | | | RK73GB1J472J | CHIP R 4.7K J 1/16W | | |
| R 17 | | | RK73GB1J103J | CHIP R 10K J 1/16W | | |
| R 19 | | | RK73GB1J123J | CHIP R 12K J 1/16W | | |
| R 20 | | | RK73GB1J681J | CHIP R 680 J 1/16W | | |
| R 28,9 | | | RK73GB1J471J | CHIP R 470 J 1/16W | | |
| R 30 | | | RK73GB1J681J | CHIP R 680 J 1/16W | | |
| R 31-6 | | | RK73GB1J561J | CHIP R 560 J 1/16W | | |
| R 37-42 | | | RK73GB1J104J | CHIP R 100K J 1/16W | | |
| R 43,4 | | | RK73GB1J272J | CHIP R 2.7K J 1/16W | | |
| R 45 | | | RK73GB1J122J | CHIP R 1.2K J 1/16W | | |
| R 46-51 | | | RK73GB1J103J | CHIP R 10K J 1/16W | | |
| R 52-7 | | | RK73GB1J104J | CHIP R 100K J 1/16W | | |
| R 58-60 | | | RK73GB1J102J | CHIP R 1.0K J 1/16W | | |
| R 61 | | | RK73GB1J302J | CHIP R 3.0K J 1/16W | | |
| R 62 | | | RK73GB1J102J | CHIP R 1.0K J 1/16W | | |
| R 63-8 | | | RK73GB1J473J | CHIP R 47K J 1/16W | | |
| R 69-74 | | | RK73GB1J102J | CHIP R 1.0K J 1/16W | | |
| R 75-8 | | | RK73GB1J153J | CHIP R 15K J 1/16W | | |
| R 79,80 | | | RK73GB1J224J | CHIP R 220K J 1/16W | | |
| R 81 | | | RK73GB1J103J | CHIP R 10K J 1/16W | | |
| R 82-5 | | | RK73GB1J102J | CHIP R 1.0K J 1/16W | | |
| R 86,7 | | | RK73GB1J223J | CHIP R 22K J 1/16W | | |
| R 89 | | | RK73GB1J103J | CHIP R 10K J 1/16W | | |
| R 90 | | | RK73GB1J123J | CHIP R 12K J 1/16W | | |
| R 91 | | | RK73GB1J681J | CHIP R 680 J 1/16W | | |
| R 92-4 | | | RK73GB1J333J | CHIP R 33K J 1/16W | | |
| R 95-9 | | | RK73GB1J332J | CHIP R 3.3K J 1/16W | | |
| R100,1 | | | RK73GB1J132J | CHIP R 1.3K J 1/16W | | |
| R102 | | | RK73GB1J332J | CHIP R 3.3K J 1/16W | | |
| R108-13 | | | RK73GB1J223J | CHIP R 22K J 1/16W | | |
| R114,5 | | | RK73GB1J471J | CHIP R 470 J 1/16W | | |
| R117,8 | | | RK73GB1J102J | CHIP R 1.0K J 1/16W | | |

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| Ref. No | Address | New Parts | Parts No. | Description | Destination | Remarks |
|-----------|---------|-----------|--------------|-------------------------|-------------|---------|
| R119,20 | | | RK73GB1J223J | CHIP R 22K J 1/16W | | |
| R121,2 | | | RK73GB1J682J | CHIP R 6.8K J 1/16W | | |
| R123,4 | | | RK73GB1J683J | CHIP R 68K J 1/16W | | |
| R125,6 | | | RK73GB1J121J | CHIP R 120 J 1/16W | | |
| R127,8 | | | RK73GB1J332J | CHIP R 3.3K J 1/16W | | |
| R129,30 | | | RK73GB1J224J | CHIP R 220K J 1/16W | | |
| R133,4 | | | RK73GB1J471J | CHIP R 470 J 1/16W | | |
| R135-8 | | | RK73GB1J104J | CHIP R 100K J 1/16W | | |
| R139-42 | | | RK73GB1J471J | CHIP R 470 J 1/16W | | |
| R145,6 | | | RK73GB1J751J | CHIP R 750 J 1/16W | | |
| R147 | | | RK73GB1J564J | CHIP R 560K J 1/16W | | |
| R148 | | | RK73GB1J332J | CHIP R 3.3K J 1/16W | | |
| R149 | | | RK73GB1J564J | CHIP R 560K J 1/16W | | |
| R150 | | | RK73GB1J223J | CHIP R 22K J 1/16W | | |
| R151,2 | | | RK73GB1J222J | CHIP R 2.2K J 1/16W | | |
| R156 | | | RK73GB1J222J | CHIP R 2.2K J 1/16W | | |
| R157,8 | | | RK73GB1J332J | CHIP R 3.3K J 1/16W | | |
| R159,60 | | | RK73GB1J102J | CHIP R 1.0K J 1/16W | | |
| R161 | | | RK73GB1J104J | CHIP R 100K J 1/16W | | |
| R179,80 | | | RK73GB1J224J | CHIP R 220K J 1/16W | | |
| R181,2 | | | RK73GB1J273J | CHIP R 27K J 1/16W | | |
| R185-7 | | | RS14GB3D391J | FL-PROOF RS 390 J 2W | | |
| R189 | | | RS14GB3A4R7J | FL-PROOF RS 4.7 J 1W | | |
| R190 | | | RS14GB3A271J | FL-PROOF RS 270 J 1W | | |
| R191 | | | RS14GB3A4R7J | FL-PROOF RS 4.7 J 1W | | |
| Δ R233,4 | | | RS14GB3A1R0J | FL-PROOF RS 1 J 1W | | |
| R235,6 | | | | BCL 0,5MM TIN 20441260 | | |
| R242 | | | RS14GB3A271J | FL-PROOF RS 270 J 1W | | |
| R243 | | | R92-4582-08 | METAL PLATE 0.1 J 5W | | |
| R244 | | | RS14GB3A220J | FL-PROOF RS 22 J 1W | | |
| R249,50 | | | RK73GB1J822J | CHIP R 8.2K J 1/16W | | |
| R252 | | | RK73GB1J473J | CHIP R 47K J 1/16W | | |
| R253 | | | RS14GB3A101J | FL-PROOF RS 100 J 1W | | |
| R254 | | | RK73GB1J473J | CHIP R 47K J 1/16W | | |
| SK11-3 | | | S76-0136-08 | RELAYPWR 24.0V 55091520 | | |
| D 1,2 | | | 1N4148 | D-SLP 1N4148 | | |
| D 3 | | | 1N5230B | D-ZENER 1N5230B | | |
| D 4,5 | | | 1N4148 | D-SLP 1N4148 | | |
| D 7-12 | | | EK03 | D-SR SCHOTTKY EK03 | | |
| D 13 | | | 1N4148 | D-SLP 1N4148 | | |
| D 14-9 | | | EK03 | D-SR SCHOTTKY EK03 | | |
| D 20,1 | | | 1N4148 | D-SLP 1N4148 | | |
| D 22 | | | BU6-04F | D-BRDLC BU6-04F | | |
| Δ D 23-31 | | | 1N4004 | D-SR 1N4004 | | |
| D 32 | | | 1SS355 | D-SLP 1SS355 | | |
| D 33 | | | BZX55B30 | D-ZENER BZX55B30 | | |
| D 34 | | | 1N5236B | D-ZENER 1N5236B | | |
| D 35-8 | | | 1N4148 | D-SLP 1N4148 | | |
| D 39 | | | BZX85C12 | D-ZENER BZX85C12 | | |
| D 40,1 | | | 1N5235B | D-ZENER 1N5235B | | |
| D 42-4 | | | 1N4148 | D-SLP 1N4148 | | |
| D 45 | | | 1SS355 | D-SLP 1SS355 | | |
| IC 11 | | * | M62446AFP | IC-LOWFREQ M62446AFP | | |
| IC 12,3 | | | NJM2068DD | IC-OPERAMP NJM2068DD | | |

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|------------------|---------|-----------|---------------|-------------------------|-------------|---------|
| IC 14 | | | LC78211 | IC-SWITCH LC78211 | | |
| IC 15-7 | | | NJM2068DD | IC-OPERAMP NJM2068DD | | |
| Δ IC 23 | | | KIA7815API | IC-REGPOSFXD KIA7815API | | |
| Δ IC 24 | | | KIA7915PI | IC-REGNEGFXD KIA7915PI | | |
| Δ IC 25 | | | BA033T | IC(ANALOGUE IC) BA033T | | |
| Δ IC 26 | | | KIA7805API | IC(VOLTAGE REGULATOR) | | |
| Q 12 | | | KTA1266 | TR-SLPLF KTA1266 | | |
| Q 13-8 | | | KTD1302 | TR-SLPLF KTD1302 | | |
| Q 19,20 | | | KTA1266 | TR-SLPLF KTA1266 | | |
| Q 21 | | | KTC3200GR | TR-SHPLF KTC3200BL | | |
| Q 22 | | | KTA1268 | TR-SLPLF KTA1268 GR | | |
| Δ Q 23 | | | KTA1023 | TR-SLPLF 55211430 | | |
| Q 26 | | | DTA114YSA | TR-SLPLF DTA114YSA | | |
| Q 27,28 | | | KTD1302 | TR-SLPLF KTD1302 | | |
| Q 30,31 | | | KTD1302 | TR-SLPLF KTD1302 | | |
| Q 33-35 | | | DTA114YSA | TR-SLPLF DTA114YSA | | |
| Q 36-8 | | | DTC114YSA | TR-SLPLF DTC114YSA | | |
| Q 41 | | | 2SC1740S | TR-SLPLF 2SC1740S | | |
| Q 42 | | | 2SA933S | TR-SLPLF 2SA933S | | |
| FRONT PCB | | | | | | |
| C805 | | | CC73GCH1H220J | CHIP C 22PF J | | |
| C807 | | | CK73GB1H102K | CHIP C 1000PF K | | |
| C809 | | | CK73GB1H102K | CHIP C 1000PF K | | |
| C813 | | | CE04LW1C470M | ELECTRO 47UF 16WV | | |
| C816 | | | CK73GB1C104K | CHIP C 0.10UF K | | |
| C817,8 | | | CK45FB1C103K | CERAMIC 0.010UF K | | |
| C819,20 | | | CK73GB1H472K | CHIP C 4700PF K | | |
| C831 | | | CE04KW1C470M | ELECTRO 47UF 16WV | | |
| C832 | | | CK73GB1H103K | CHIP C 0.010UF K | | |
| C833-5 | | | CC73GCH1H101J | CHIP C 100PF J | | |
| C836,7 | | | CK45FB1H473K | CERAMIC 0.047UF K | | |
| C838 | | | CK45FB1E103K | CERAMIC 0.010UF K | | |
| C839 | | | CE04LW1H010M | ELECTRO 1.0UF 50WV | | |
| N809 | | | E41-0823-08 | CONN 1.25MM 11 55124780 | | |
| N810 | | | E35-3017-08 | CONN 1.25MM 33 55129060 | | |
| NJ81 | | | E63-1272-08 | CON PHONO SCKT 55191980 | | |
| NJ83 | | | E11-0957-08 | CONN-PHJAC 3.5 55198170 | | |
| L801 | | * | L31-0668-08 | LF 47U0H +10% 55168840 | | |
| L816 | | * | L31-0668-08 | LF 47U0H +10% 55168840 | | |
| J801 | | | RK73GB1J000J | CHIP R 0 J 1/16W | | |
| J803,4 | | | RK73GB1J000J | CHIP R 0 J 1/16W | | |
| J821 | | | RK73GB1J000J | CHIP R 0 J 1/16W | | |
| J823 | | | RK73GB1J000J | CHIP R 0 J 1/16W | | |
| J824 | | | RK73GB1J000J | CHIP R 0 J 1/16W | | |
| J841 | | | RK73GB1J000J | CHIP R 0 J 1/16W | | |
| R801 | | | RK73GB1J102J | CHIP R 1.0K J 1/16W | | |
| R802 | | | RK73GB1J820J | CHIP R 82 J 1/16W | | |
| R803,4 | | | RK73GB1J221J | CHIP R 220 J 1/16W | | |
| R805 | | | RK73GB1J122J | CHIP R 1.2K J 1/16W | | |
| R806 | | | RK73GB1J152J | CHIP R 1.5K J 1/16W | | |
| R807 | | | RK73GB1J223J | CHIP R 22K J 1/16W | | |
| R808 | | | RK73GB1J822J | CHIP R 8.2K J 1/16W | | |
| R809,10 | | | RK73GB1J224J | CHIP R 220K J 1/16W | | |
| R811 | | | RK73GB1J222J | CHIP R 2.2K J 1/16W | | |

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PARTS LIST

DVR-605

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| Ref. No | Add-ress | New Parts | Parts No. | Description | Desti-nation | Re-marks |
|---------|----------|-----------|---------------|-------------------------|--------------|----------|
| R 20G | | | RK73GB1J121J | CHIP R 120 J 1/16W | | |
| R 20R | | | RK73GB1J750J | CHIP R 75 J 1/16W | | |
| R 23B | | | RK73GB1J1372F | CHIP R 13.7K F 1/16W | | |
| R 23G | | | RK73GB1J1372F | CHIP R 13.7K F 1/16W | | |
| R 23R | | | RK73GB1J1372F | CHIP R 13.7K F 1/16W | | |
| R 24B | | | RK73GB1J1372F | CHIP R 13.7K F 1/16W | | |
| R 24G | | | RK73GB1J1372F | CHIP R 13.7K F 1/16W | | |
| R 24R | | | RK73GB1J1372F | CHIP R 13.7K F 1/16W | | |
| R 25B | | | RK73GB1J750J | CHIP R 75 J 1/16W | | |
| R 25C | | | RK73GB1J750J | CHIP R 75 J 1/16W | | |
| R 25G | | | RK73GB1J750J | CHIP R 75 J 1/16W | | |
| R 25R | | | RK73GB1J750J | CHIP R 75 J 1/16W | | |
| R 25S | | | RK73GB1J750J | CHIP R 75 J 1/16W | | |
| R 25Y | | | RK73GB1J750J | CHIP R 75 J 1/16W | | |
| R147 | | | RK73GB1J100J | CHIP R 10 J 1/16W | | |
| R161 | | | RK73GB1J000J | CHIP R 0 J 1/16W | | |
| R162-4 | | | RK73GB1J101J | CHIP R 100 J 1/16W | | |
| R165-72 | | | RK73GB1J470J | CHIP R 47 J 1/16W | | |
| R173,4 | | | RK73GB1J101J | CHIP R 100 J 1/16W | | |
| R175 | | | RK73GB1J332J | CHIP R 3.3K J 1/16W | | |
| R176 | | | RK73FB2A142F | CHIP R 1.4K F 1/10W | | |
| R177 | | | RK73GB1J362J | CHIP R 3.6K J 1/16W | | |
| R178 | | | RK73GB1J820J | CHIP R 82 J 1/16W | | |
| R179 | | | RK73GB1J361J | CHIP R 360 J 1/16W | | |
| R180 | | | RK73GB1J2R2J | CHIP R 2.2 J 1/16W | | |
| R181 | | | RK73GB1J100J | CHIP R 10 J 1/16W | | |
| R182 | | | RK73GB1J2R2J | CHIP R 2.2 J 1/16W | | |
| R183-6 | | | RK73GB1J473J | CHIP R 47K J 1/16W | | |
| R187,8 | | | RK73GB1J2R2J | CHIP R 2.2 J 1/16W | | |
| R189,90 | | | RK73GB1J100J | CHIP R 10 J 1/16W | | |
| R191,2 | | | RK73GB1J473J | CHIP R 47K J 1/16W | | |
| R193,4 | | | RK73GB1J101J | CHIP R 100 J 1/16W | | |
| R195 | | | RK73GB1J472J | CHIP R 4.7K J 1/16W | | |
| R196 | | | RK73GB1J102J | CHIP R 1.0K J 1/16W | | |
| VR11 | | * | R39-0048-08 | PR 200R0 OHM 55307870 | | |
| D101 | | | 1SS355 | D-SLP 1SS355 | | |
| IC 11 | | | PM0026A | IC(LINE DOUBLER IC) | | |
| IC 12 | | * | MM1568AJBE | IC-VIDEOPROC MM1568AJBE | | |
| IC 13 | | | TL431 | IC-REGSPECKT TL431 | | |
| IC 14 | | | MC74HC74AD | IC-SPECFUNC MC74HC74AD | | |
| IC 15 | | | 74HC86 | IC-LOGIC 74HC86 | | |
| Q 10B | | | DTC114YKA | TR-SSD DTC114YKA | | |
| Q 10G | | | DTC114YKA | TR-SSD DTC114YKA | | |
| Q 10R | | | DTC114YKA | TR-SSD DTC114YKA | | |
| Q 11B | | | KTN2222AS | TR-SLPSWA KTN2222AS | | |
| Q 11G | | | KTN2222AS | TR-SLPSWA KTN2222AS | | |
| Q 11R | | | KTN2222AS | TR-SLPSWA KTN2222AS | | |
| Q 12B | | | KTN2222AS | TR-SLPSWA KTN2222AS | | |
| Q 12G | | | KTN2222AS | TR-SLPSWA KTN2222AS | | |
| Q 12R | | | KTN2222AS | TR-SLPSWA KTN2222AS | | |
| Q 13B | | | KTN2907A | TR-SLPSWA KTN2907AS | | |
| Q 13G | | | KTN2907A | TR-SLPSWA KTN2907AS | | |
| Q 13R | | | KTN2907A | TR-SLPSWA KTN2907AS | | |
| Q 14B | | | DTC114YKA | TR-SSD DTC114YKA | | |
| Q 14G | | | DTC114YKA | TR-SSD DTC114YKA | | |

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|-----------------------|----------|-----------|---------------|-------------------------|--------------|----------|
| Q 14R | | | DTC114YKA | TR-SSD DTC114YKA | | |
| Q 15B | | | KTN2907A | TR-SLPSWA KTN2907AS | | |
| Q 15G | | | KTN2907A | TR-SLPSWA KTN2907AS | | |
| Q 15R | | | KTN2907A | TR-SLPSWA KTN2907AS | | |
| Q101 | | | DTA114YKA | TR-SSD DTA114YKA | | |
| Q102 | | | DTC114YKA | TR-SSD DTC114YKA | | |
| Q103 | | | KTC3875Y | TR-SLPSWA KTC3875Y | | |
| MICROPROCESSOR | | | | | | |
| C501 | | | CK73GB1C104K | CHIP C 0.10UF K | | |
| C502 | | | CK73GB1H223K | CHIP C 0.022UF K | | |
| C503 | | | CK73GB1C104K | CHIP C 0.10UF K | | |
| C504 | | | CK73GB1H102K | CHIP C 1000PF K | | |
| C505 | | | CE04LW1H010M | ELECTRO 1.0UF 50WV | | |
| C506 | | | CE04LW1A101M | ELECTRO 100UF 10WV | | |
| C507 | | | CE04LW1H2R2M | ELECTRO 2.2UF 50WV | | |
| C508,9 | | | CK73GB1H102K | CHIP C 1000PF K | | |
| C551,2 | | | CC73GCH1H221J | CHIP C 220PF J | | |
| C553,4 | | | CE04LW1C100M | ELECTRO 10UF 16WV | | |
| C555,6 | | | CK73GB1C104K | CHIP C 0.10UF K | | |
| C557,8 | | | CE04LW1A471M | ELECTRO 470UF 10WV | | |
| C559,60 | | | CE04LW1C100M | ELECTRO 10UF 16WV | | |
| C561,2 | | | CC73GCH1H101J | CHIP C 100PF J | | |
| C563,4 | | | CE04LW1A471M | ELECTRO 470UF 10WV | | |
| C565 | | | CK73GB1H223K | CHIP C 0.022UF K | | |
| C588,9 | | | CC73GCH1H101J | CHIP C 100PF J | | |
| C590 | | | CK73GB1C104K | CHIP C 0.10UF K | | |
| C591 | | | CE04LW1A471M | ELECTRO 470UF 10WV | | |
| C592 | | | CE04LW1E330M | ELECTRO 33UF 25WV | | |
| C598,9 | | | CK73GB1H102K | CHIP C 1000PF K | | |
| N506 | | | E41-0799-08 | CONN 1.25MM 19 55129010 | | |
| N507 | | | E41-0824-08 | CONN 1.25MM 13 55124790 | | |
| N509 | | | E41-0823-08 | CONN 1.25MM 11 55124780 | | |
| N510 | | | E35-3017-08 | CONN 1.25MM 33 55129060 | | |
| N511 | | | E40-8777-08 | CONN 2.0MM 5 M 55123320 | | |
| NJ51 | | * | E63-1289-08 | CON PHONO SCKT 55115040 | | |
| NJ52 | | * | E63-1290-08 | CON PHONO SCKT 55181170 | | |
| NJ53 | | * | E63-1243-08 | CON DIN SCKT M 55149520 | | |
| L501 | | * | L31-0668-08 | LF 47U0H +10% 55168840 | | |
| Y501 | | | L77-2355-08 | CRESONATOR 10M 55126140 | | |
| J502 | | | RK73GB1J000J | CHIP R 0 J 1/16W | | |
| J593 | | | RK73GB1J000J | CHIP R 0 J 1/16W | | |
| R501,2 | | | RK73GB1J103J | CHIP R 10K J 1/16W | | |
| R504,5 | | | RK73GB1J102J | CHIP R 1.0K J 1/16W | | |
| R512,3 | | | RK73GB1J102J | CHIP R 1.0K J 1/16W | | |
| R514-7 | | | RK73GB1J103J | CHIP R 10K J 1/16W | | |
| R518,9 | | | RK73GB1J472J | CHIP R 4.7K J 1/16W | | |
| R520,1 | | | RK73GB1J473J | CHIP R 47K J 1/16W | | |
| R522 | | | RK73GB1J104J | CHIP R 100K J 1/16W | | |
| R523 | | | RK73GB1J103J | CHIP R 10K J 1/16W | | |
| R526-8 | | | RK73GB1J103J | CHIP R 10K J 1/16W | | |
| R529 | | | RK73GB1J104J | CHIP R 100K J 1/16W | | |
| R530 | | | RK73GB1J103J | CHIP R 10K J 1/16W | | |
| R532 | | | RK73GB1J122J | CHIP R 1.2K J 1/16W | | |

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DVR-605

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| Ref. No | Add-ress | New Parts | Parts No. | Description | Desti-nation | Re-marks |
|---------|----------|-----------|----------------|--------------------------------|--------------|----------|
| R670,1 | | | RK73GB1J392J | CHIP R 3.9K | J | 1/16W |
| R672 | | | RK73GB1J470J | CHIP R 47 | J | 1/16W |
| R673,4 | | | RK73GB1J912J | CHIP R 9.1K | J | 1/16W |
| R675-8 | | | RK73GB1J470J | CHIP R 47 | J | 1/16W |
| R679 | | | RK73GB1J824J | CHIP R 820K | J | 1/16W |
| R680-2 | | | RK73GB1J470J | CHIP R 47 | J | 1/16W |
| R683,4 | | | RK73GB1J103J | CHIP R 10K | J | 1/16W |
| R685 | | | RK73GB1J470J | CHIP R 47 | J | 1/16W |
| R686 | | | RK73GB1J101J | CHIP R 100 | J | 1/16W |
| R687 | | | RK73GB1J560J | CHIP R 56 | J | 1/16W |
| R688 | | | RK73GB1J105J | CHIP R 1.0M | J | 1/16W |
| R695-8 | | | R90-1333-08 | LADDER R 47 | | |
| R699 | | | RK73GB1J562J | CHIP R 5.6K | J | 1/16W |
| R700 | | | RK73GB1J103J | CHIP R 10K | J | 1/16W |
| R741 | | | RK73GB1J683J | CHIP R 68K | J | 1/16W |
| R742 | | | RK73GB1J473J | CHIP R 47K | J | 1/16W |
| R743,4 | | | RK73FB2A2002F | CHIP R 20.0K | F | 1/10W |
| R746,7 | | | RK73GB1J103J | CHIP R 10K | J | 1/16W |
| R748 | | | RK73GB1J100J | CHIP R 10 | J | 1/16W |
| R749 | | | RK73GB1J103J | CHIP R 10K | J | 1/16W |
| R750,1 | | | RK73GB1J750J | CHIP R 75 | J | 1/16W |
| R752 | | | RK73GB1J103J | CHIP R 10K | J | 1/16W |
| R753 | | | RK73GB1J470J | CHIP R 47 | J | 1/16W |
| R754 | | | RK73GB1J470J | CHIP R 47 | J | 1/16W |
| R755,6 | | | RK73GB1J104J | CHIP R 100K | J | 1/16W |
| R757 | | | RK73GB1J470J | CHIP R 47 | J | 1/16W |
| R758,9 | | | RK73GB1J102J | CHIP R 1.0K | J | 1/16W |
| R760-3 | | | RK73GB1J472J | CHIP R 4.7K | J | 1/16W |
| R764 | | | RK73GB1J473J | CHIP R 47K | J | 1/16W |
| R765 | | | RK73GB1J000J | CHIP R 0 | J | 1/16W |
| R766 | | | RK73GB1J471J | CHIP R 470 | J | 1/16W |
| R767-9 | | | RK73GB1J470J | CHIP R 47 | J | 1/16W |
| R770 | | | RK73GB1J473J | CHIP R 47K | J | 1/16W |
| R771,2 | | | RK73GB1J471J | CHIP R 470 | J | 1/16W |
| R773-5 | | | RK73GB1J103J | CHIP R 10K | J | 1/16W |
| R776,7 | | | RK73GB1J220J | CHIP R 22 | J | 1/16W |
| R778 | | | RK73GB1J562J | CHIP R 5.6K | J | 1/16W |
| R779 | | | RK73GB1J182J | CHIP R 1.8K | J | 1/16W |
| R780-2 | | | RK73GB1J470J | CHIP R 47 | J | 1/16W |
| R783 | | | RK73GB1J330J | CHIP R 33 | J | 1/16W |
| R784 | | | RK73GB1J330J | CHIP R 33 | J | 1/16W |
| R785 | | | RK73GB1J473J | CHIP R 47K | J | 1/16W |
| R795 | | | RK73GB1J472J | CHIP R 4.7K | J | 1/16W |
| R797 | | | RK73GB1J430J | CHIP R 43 | J | 1/16W |
| D601 | | | 1N5232B | D-ZENER 1N5232B | | |
| D602 | | | RB441Q-40 | D-SLP RB441Q-40 | | |
| D603,4 | | | 1N4148 | D-SLP 1N4148 | | |
| D605 | | | UDZ2.2B | D-ZENER UDZ 2.2 B | | |
| D606 | | | 1SS355 | D-SLP 1SS355 | | |
| IC 61 | | | STI5519 | IC-VIDEOPROC STI5519 | | |
| IC 62 | | | M24C02WMN6 | IC-EEPROM M24C02WMN6 | | |
| IC 63 | | | HY57V641620HGT | IC-DRAM 100M0 HY57V641620HGT-H | | |
| IC 64 | | | WM8728 | IC-CONV WM8728 | | |
| IC 65 | | | BA4560F | IC-OPERAMP BA4560F | | |

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|----------------|----------|-----------|----------------|-----------------------------|--------------|----------|
| IC 66 | | | M29W800AT901N1 | IC-MEMFLASH M29W800AT90N1 | | |
| IC 66 | | | SST39VF800A904 | IC-MEMFLASH SST39VF800A-90- | | |
| IC 66 | | | TMS29LF80 | IC-MEMFLASH TMS29 | | |
| IC 67 | | | M74HCU04M1R | IC-LOGIC M74HCU04M1R | | |
| IC 69 | | | FAN8082 | IC-MOTORCIR FAN8082 | | |
| Q601,2 | | | KTC3875Y | TR-SLPSWA KTC3875Y | | |
| Q603,4 | | | DTC323TK | TR-SSD DTC323TK | | |
| Q605 | | | KRA107S | TR-SSD KRA107S | | |
| Q607 | | | KTC3875Y | TR-SLPSWA KTC3875Y | | |
| Q608 | | | KTA1504Y | TR-SLPSWA KTA1504Y | | |
| Q609 | | | DTC114YKA | TR-SSD DTC114YKA | | |
| DSP PCB | | | | | | |
| C301 | | | CK73GB1H102K | CHIP C 1000PF | | K |
| C302 | | | CK73GB1H103K | CHIP C 0.010UF | | K |
| C303-5 | | | CK73GB1H102K | CHIP C 1000PF | | K |
| C306 | | | CC73GCH1H221J | CHIP C 220PF | | J |
| C307 | | | CK73GB1H103K | CHIP C 0.010UF | | K |
| C308 | | | CK73GB1C224K | CHIP C 0.22UF | | K |
| C309 | | | CK73GB1H103K | CHIP C 0.010UF | | K |
| C310 | | | CK73GB1H122K | CHIP C 1200PF | | K |
| C312-18 | | | CK73GB1H102K | CHIP C 1000PF | | K |
| C319 | | | CK73GB1H473K | CHIP C 0.047UF | | K |
| C320,21 | | | CK73GB1H102K | CHIP C 1000PF | | K |
| C322 | | | CC73GCH1H101J | CHIP C 100PF | | J |
| C323 | | | CK73GB1H222K | CHIP C 2200PF | | K |
| C324 | | | CK73GB1C104K | CHIP C 0.10UF | | K |
| C325,6 | | | CC73GCH1H101J | CHIP C 100PF | | J |
| C327 | | | CK73GB1H222K | CHIP C 2200PF | | K |
| C329 | | | CK73GB1C104K | CHIP C 0.10UF | | K |
| C330 | | | CC73GCH1H221J | CHIP C 220PF | | J |
| C331-7 | | | CK73GB1H102K | CHIP C 1000PF | | K |
| C338 | | | CK73GB1H122K | CHIP C 1200PF | | K |
| C339 | | | CK73GB1H153K | CHIP C 0.015UF | | K |
| C340,1 | | | CK73GB1H122K | CHIP C 1200PF | | K |
| C342 | | | CK73GB1C104K | CHIP C 0.10UF | | K |
| C343 | | | CK73GB1H122K | CHIP C 1200PF | | K |
| C344-6 | | | CK73GB1C104K | CHIP C 0.10UF | | K |
| C347 | | | CC73GCH1H221J | CHIP C 220PF | | J |
| C348 | | | CK73GB1H332K | CHIP C 3300PF | | K |
| C349-51 | | | CC73GCH1H221J | CHIP C 220PF | | J |
| C352 | | | CC73GCH1H101J | CHIP C 100PF | | J |
| C353-5 | | | CK73GB1H102K | CHIP C 1000PF | | K |
| C356 | | | CK73GB1C104K | CHIP C 0.10UF | | K |
| C357 | | | CK73GB1H473K | CHIP C 0.047UF | | K |
| C358 | | | CK73GB1C104K | CHIP C 0.10UF | | K |
| C359 | | | CK73GB1H473K | CHIP C 0.047UF | | K |
| C360 | | | CC73GCH1H101J | CHIP C 100PF | | J |
| C362-7 | | | CK73GB1C104K | CHIP C 0.10UF | | K |
| C368 | | | CK73GB1H333K | CHIP C 0.033UF | | K |
| C369-78 | | | CK73GB1C104K | CHIP C 0.10UF | | K |
| C379 | | | CC73GCH1H470J | CHIP C 47PF | | J |
| C380 | | | CC73GCH1H221J | CHIP C 220PF | | J |
| C381 | | | CC73GCH1H470J | CHIP C 47PF | | J |
| C382-6 | | | CK73GB1C104K | CHIP C 0.10UF | | K |

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PARTS LIST

DVR-605

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| Ref. No | Add-ress | New Parts | Parts No. | Description | Desti-nation | Re-marks |
|---------|----------|-----------|---------------|-------------------------|--------------|----------|
| C387 | | | CC73GCH1H470J | CHIP C 47PF | J | |
| C388-90 | | | CE04LW1C100M | ELECTRO 10UF 16WV | | |
| C391 | | | CE04LW1H2R2M | ELECTRO 2.2UF 50WV | | |
| C392 | | | CE04LW1C470M | ELECTRO 47UF 16WV | | |
| C393 | | | CE04LW1A101M | ELECTRO 100UF 10WV | | |
| C394,5 | | | CE04LW1C100M | ELECTRO 10UF 16WV | | |
| C396 | | | CE04LW1H2R2M | ELECTRO 2.2UF 50WV | | |
| C397 | | | CE04LW1C470M | ELECTRO 47UF 16WV | | |
| C398 | | | CE04LW1C100M | ELECTRO 10UF 16WV | | |
| C399 | | | CE04LW1H010M | ELECTRO 1.0UF 50WV | | |
| C400,1 | | | CE04LW1C100M | ELECTRO 10UF 16WV | | |
| C402 | | | CE04LW1H010M | ELECTRO 1.0UF 50WV | | |
| C403,4 | | | CE04LW1C100M | ELECTRO 10UF 16WV | | |
| C405 | | | CE04LW1H4R7M | ELECTRO 4.7UF 50WV | | |
| C406 | | | CE04LW1A101M | ELECTRO 100UF 10WV | | |
| C407-13 | | | CE04LW1C100M | ELECTRO 10UF 16WV | | |
| C414,5 | | | CE04LW1C221M | ELECTRO 220UF 16WV | | |
| C417 | | | CE04LW1C470M | ELECTRO 47UF 16WV | | |
| C418-20 | | | CE04KW0J102M | ELECTRO 1000UF 6.3WV | | |
| C427,8 | | | CC73GCH1H220J | CHIP C 22PF | J | |
| NJ34 | | | E63-1244-08 | CON PHONO SCKT 55164750 | | |
| L301-3 | | | L92-0556-08 | FBEAD SURFACE 55126690 | | |
| L314 | | | L92-0557-08 | LF-SMD 33U0H + 55185090 | | |
| L317 | | | L92-0557-08 | LF-SMD 33U0H + 55185090 | | |
| L318-25 | | | L92-0556-08 | FBEAD SURFACE 55126690 | | |
| L326-8 | | | L32-1047-08 | FBEAD SURFACE 55126670 | | |
| Y301 | | * | W02-2962-08 | VCXO 12M288 HZ 55348350 | | |
| L304 | | | RK73FB2A000J | CHIP R 0 J 1/10W | | |
| L306 | | | RK73FB2A000J | CHIP R 0 J 1/10W | | |
| L308-11 | | | RK73FB2A000J | CHIP R 0 J 1/10W | | |
| L312 | | | RK73GB1J131J | CHIP R 130 J 1/16W | | |
| L313 | | | RK73FB2A000J | CHIP R 0 J 1/10W | | |
| R301 | | | RK73GB1J104J | CHIP R 100K J 1/16W | | |
| R302 | | | RK73GB1J750J | CHIP R 75 J 1/16W | | |
| R303 | | | RK73GB1J682J | CHIP R 6.8K J 1/16W | | |
| R304 | | | RK73GB1J471J | CHIP R 470 J 1/16W | | |
| R305 | | | RK73GB1J561J | CHIP R 560 J 1/16W | | |
| R306 | | | RK73GB1J103J | CHIP R 10K J 1/16W | | |
| R307 | | | RK73GB1J472J | CHIP R 4.7K J 1/16W | | |
| R308 | | | RK73GB1J471J | CHIP R 470 J 1/16W | | |
| R309 | | | RK73GB1J272J | CHIP R 2.7K J 1/16W | | |
| R310 | | | RK73GB1J821J | CHIP R 820 J 1/16W | | |
| R311 | | | RK73GB1J123J | CHIP R 12K J 1/16W | | |
| R312 | | | RK73GB1J472J | CHIP R 4.7K J 1/16W | | |
| R313 | | | RK73GB1J103J | CHIP R 10K J 1/16W | | |
| R314 | | | RK73GB1J333J | CHIP R 33K J 1/16W | | |
| R315,6 | | | RK73GB1J472J | CHIP R 4.7K J 1/16W | | |
| R317 | | | RK73GB1J104J | CHIP R 100K J 1/16W | | |
| R318 | | | RK73GB1J682J | CHIP R 6.8K J 1/16W | | |
| R319,20 | | | RK73GB1J471J | CHIP R 470 J 1/16W | | |
| R321 | | | RK73GB1J272J | CHIP R 2.7K J 1/16W | | |
| R322 | | | RK73GB1J821J | CHIP R 820 J 1/16W | | |
| R323 | | | RK73GB1J104J | CHIP R 100K J 1/16W | | |

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| Ref. No | Add-ress | New Parts | Parts No. | Description | Desti-nation | Re-marks |
|----------|----------|-----------|--------------|----------------------|--------------|----------|
| R324 | | | RK73GB1J562J | CHIP R 5.6K J 1/16W | | |
| R325 | | | RK73GB1J471J | CHIP R 470 J 1/16W | | |
| R326 | | | RK73GB1J472J | CHIP R 4.7K J 1/16W | | |
| R327 | | | RK73GB1J471J | CHIP R 470 J 1/16W | | |
| R328 | | | RK73GB1J272J | CHIP R 2.7K J 1/16W | | |
| R329 | | | RK73GB1J821J | CHIP R 820 J 1/16W | | |
| R330 | | | RK73GB1J104J | CHIP R 100K J 1/16W | | |
| R331 | | | RK73GB1J471J | CHIP R 470 J 1/16W | | |
| R332 | | | RK73GB1J272J | CHIP R 2.7K J 1/16W | | |
| R333 | | | RK73GB1J473J | CHIP R 47K J 1/16W | | |
| R334,5 | | | RK73GB1J103J | CHIP R 10K J 1/16W | | |
| R337,8 | | | RK73GB1J151J | CHIP R 150 J 1/16W | | |
| R339 | | | RK73GB1J203J | CHIP R 20K J 1/16W | | |
| R340 | | | RK73GB1J473J | CHIP R 47K J 1/16W | | |
| R341-3 | | | RK73GB1J103J | CHIP R 10K J 1/16W | | |
| R344,5 | | | RK73GB1J151J | CHIP R 150 J 1/16W | | |
| R346,7 | | | RK73GB1J103J | CHIP R 10K J 1/16W | | |
| R348 | | | RK73GB1J100J | CHIP R 10 J 1/16W | | |
| R349 | | | RK73GB1J222J | CHIP R 2.2K J 1/16W | | |
| R350 | | | RK73GB1J131J | CHIP R 130 J 1/16W | | |
| R351 | | | RK73GB1J104J | CHIP R 100K J 1/16W | | |
| R352 | | | RK73GB1J682J | CHIP R 6.8K J 1/16W | | |
| R353,4 | | | RK73GB1J471J | CHIP R 470 J 1/16W | | |
| R355 | | | RK73GB1J123J | CHIP R 12K J 1/16W | | |
| R356 | | | RK73GB1J473J | CHIP R 47K J 1/16W | | |
| R357 | | | RK73GB1J272J | CHIP R 2.7K J 1/16W | | |
| R358 | | | RK73GB1J821J | CHIP R 820 J 1/16W | | |
| R359 | | | RK73GB1J104J | CHIP R 100K J 1/16W | | |
| R360 | | | RK73GB1J682J | CHIP R 6.8K J 1/16W | | |
| R361 | | | RK73GB1J101J | CHIP R 100 J 1/16W | | |
| R362,3 | | | RK73GB1J471J | CHIP R 470 J 1/16W | | |
| R364,5 | | | RK73GB1J472J | CHIP R 4.7K J 1/16W | | |
| R366 | | | RK73GB1J272J | CHIP R 2.7K J 1/16W | | |
| R367-9 | | | RK73GB1J103J | CHIP R 10K J 1/16W | | |
| R370 | | | RK73GB1J821J | CHIP R 820 J 1/16W | | |
| R371-5 | | | RK73GB1J472J | CHIP R 4.7K J 1/16W | | |
| R376-9 | | | RK73GB1J123J | CHIP R 12K J 1/16W | | |
| R381 | | | RK73GB1J123J | CHIP R 12K J 1/16W | | |
| R382 | | | RK73GB1J203J | CHIP R 20K J 1/16W | | |
| R383 | | | RK73GB1J103J | CHIP R 10K J 1/16W | | |
| R384 | | | RK73GB1J682J | CHIP R 6.8K J 1/16W | | |
| R385 | | | RK73GB1J471J | CHIP R 470 J 1/16W | | |
| R386 | | | RK73GB1J821J | CHIP R 820 J 1/16W | | |
| R387 | | | RK73GB1J102J | CHIP R 1.0K J 1/16W | | |
| R394 | | | RK73GB1J151J | CHIP R 150 J 1/16W | | |
| R395-401 | | | RK73GB1J220J | CHIP R 22 J 1/16W | | |
| R402,3 | | | RK73GB1J3R3J | CHIP R 3.3 J 1/16W | | |
| R404 | | | RK73GB1J911J | CHIP R 910 J 1/16W | | |
| R405,6 | | | RK73GB1J101J | CHIP R 100 J 1/16W | | |
| R407 | | | RK73GB1J242J | CHIP R 2.4K J 1/16W | | |
| R408-16 | | | RK73GB1J100J | CHIP R 10 J 1/16W | | |
| R417-19 | | | RK73GB1J221J | CHIP R 220 J 1/16W | | |
| R425,6 | | | RK73GB1J620J | CHIP R 62 J 1/16W | | |
| IC31 | | | CS4228QFP44 | IC COMM CS4228 QFP44 | | |

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| Ref. No | Address | New Parts | Parts No. | Description | Destination | Remarks |
|---------|---------|-----------|----------------|----------------|-----------------|---------|
| IC32 | | | AT27LV010A90JC | IC-EPROM | AT27LV010A-90JC | |
| IC33 | | | CS493263-CL | IC-LOWFREQ | CS493263-CL | |
| IC34-8 | | | KIA4558F | IC-OPERAMP | KIA4558F | |
| IC39 | | | CS8415A-CS | IC-LOWFREQ | CS8415A-CS | |
| IC40,1 | | | 74VHC244MX | IC-LOGIC | 74VHC244MX | |
| IC42,3 | | | 74VHC574MX | IC-LOGIC F/F | 74VHC574MX | |
| Q301 | | | KTA1504Y | TR-SLPSWA | KTA1504Y | |
| NJ35 | | | W02-2911-08 | D-LEM TOTX178B | 55125440 | |

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DVR-605

SPECIFICATIONS

Main unit

[Amplifier section]

| | |
|--|----------------|
| Effective output power during STEREO operation | |
| 1 kHz, 10 % T.H.D. at 6 Ω | 40 W + 40 W |
| Effective output power during SURROUND operation | |
| Front (1 kHz, 10 % T.H.D. at 6 Ω) | 40 W + 40 W |
| Center (1 kHz, 10 % T.H.D. at 6 Ω) | 40 W |
| Subwoofer (100 Hz, 10 % T.H.D. at 6 Ω) | 80 W |
| Surround (1 kHz, 10 % T.H.D. at 6 Ω) | 40 W + 40 W |
| Input sensitivity / impedance | |
| VCR / SAT / CABLE / FRONT | 600 mV / 68 kΩ |
| Output level / impedance | |
| VCR | 600 mV / 470 Ω |

[Tuner section]

| | |
|---|---|
| FM tuner section | |
| Tuning frequency range | 87.5 MHz ~ 108 MHz |
| AM Tuner section | |
| Tuning frequency range (for U.K., Europe and Australia) | 531 kHz ~ 1,602 kHz |
| Tuning frequency range (for U.S.A. and Canada) | 530 kHz ~ 1,700 kHz |
| Tuning frequency range (for other countries) | 531 kHz ~ 1,602 kHz / 530 kHz ~ 1,610 kHz |

[DVD/CD/VIDEO CD player section]

| | |
|--|------------------------------|
| Laser | Semiconductor laser |
| Wow & Flutter | Less than unmeasurable Limit |
| Video output format (for U.S.A. and Canada) | NTSC |
| Video output format (for other countries) | NTSC/PAL |
| VIDEO OUTPUT | |
| Composite video output level/impedance | 1 Vp-p (75 Ω) |
| S-video output | |
| Y output level/impedance | 1 Vp-p (75 Ω) |
| C output level/impedance | |
| NTSC | 0.286 Vp-p (75 Ω) |
| PAL | 0.3 Vp-p (75 Ω) |
| Component video output (only for some areas) | |
| Y output level/impedance | 1 Vp-p (75 Ω) |
| C/b output level/impedance | 0.7 Vp-p (75 Ω) |
| C/r output level/impedance | 0.7 Vp-p (75 Ω) |
| Compression format | MPEG1/MPEG2 |

[DIGITAL AUDIO section]

| | |
|-----------------------------------|--|
| Sampling frequency | 32 kHz, 44.1 kHz, 48 kHz |
| Input level/impedance/wave length | |
| Optical | -15 dBm ~ 21 dBm (660 nm ±30 nm) |
| Coaxial | 0.6 Vp-p (75 Ω) |
| Digital output | -15 dBm ~ 21 dBm (Wave length 660 nm) |

[General]

| | |
|-------------------|--|
| Power consumption | 130 W (for U.S.A. and Canada) 130 W (for U.K.) 130 W (for other countries) |
| Dimensions | W: 440 mm (17-5/16") H: 93 mm (3-11/16") D: 410 mm (16-1/8") |
| Weight (net) | 8.5 kg |

KS-306DV Speakers (Front/Surround)

| | |
|-----------------------|---|
| Enclosure | Bass-Reflex type (Front Speaker Magnetically shielded) |
| Speaker configuration | |
| Woofer | 80 mm (3"), cone type |
| Tweeter | 25 mm (1"), balanced dome type |
| Impedance | 6 Ω |
| Maximum input power | 40 W |
| Dimensions | W: 111 mm (4-3/8") H: 156 mm (6-1/8") D: 129 mm (5-1/16") |
| Weight (net) | |

| | |
|------------------|---------------------------|
| Front speakers | 0.9 kg (2.0 lb) (1 piece) |
| Surround speaker | 0.8 kg (1.8 lb) (1 piece) |

KS-306DV Speakers (Center)

| | |
|-----------------------|---|
| Enclosure | Acoustic Air Suspension type (Magnetically shielded) |
| Speaker configuration | |
| Woofer | 80 mm (3"), cone type |
| Tweeter | 25 mm (1"), balanced dome type |
| Impedance | 6 Ω |
| Maximum input power | 40 W |
| Dimensions | W: 252 mm (9-15/16") H: 111 mm (4-3/8") D: 129 mm (5-1/16") |
| Weight (net) | 1.1 kg (2.4 lb) |

SW-06DV Speaker (Subwoofer)

| | |
|-----------------------|--|
| Enclosure | Bass-reflex type (Magnetically shielded) |
| Speaker configuration | |
| Woofer | 160 mm (6-1/2"), cone type |
| Impedance | 6 Ω |
| Maximum input power | 80 W |
| Dimensions | W: 120 mm (8-11/16") H: 350 mm (13-3/4") D: 355 mm (14") |
| Weight (net) | 5.9 kg |



1. KENWOOD follows a policy of continuous advancements in development. For this reason specifications may be changed without notice.
2. Sufficient performance may not be possible at very low temperatures (0°C or less).

Note:

Component and circuit are subject to modification to insure best operation under differing local conditions. This manual is based on Europe (E) standard, and provides information on regional circuit modification through use of alternate schematic diagrams, and information on regional component variations through use of parts list.

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