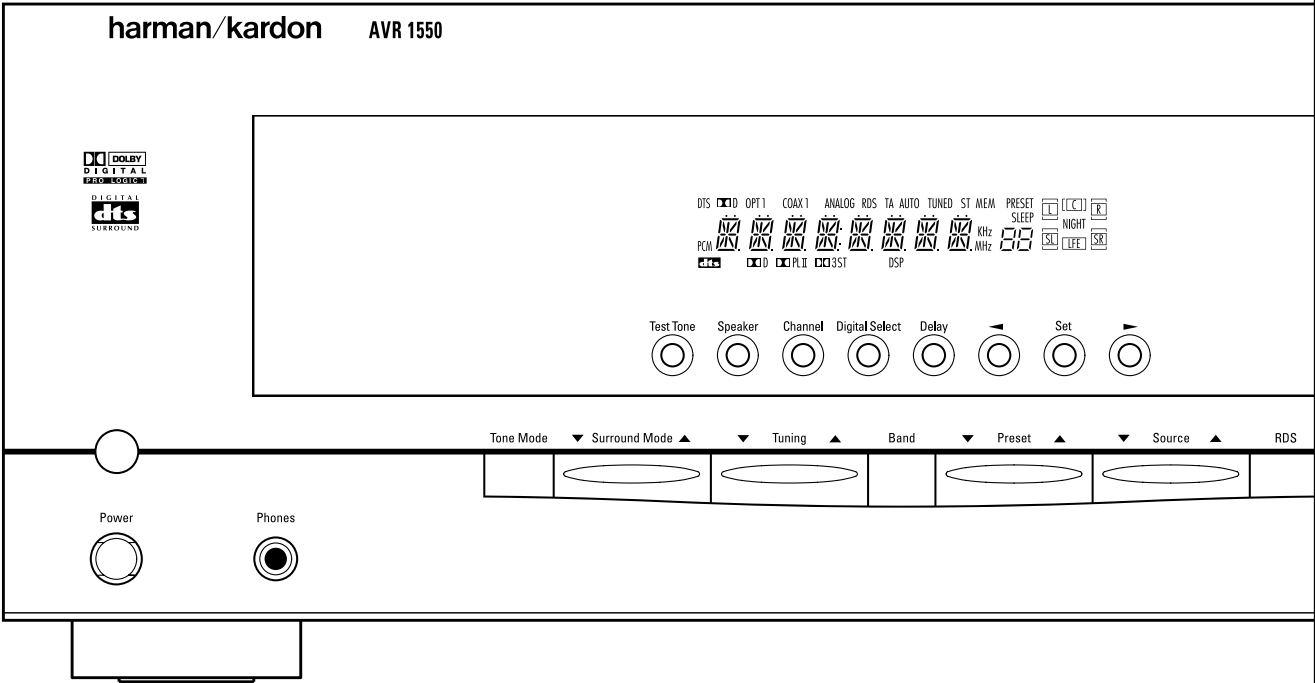


# AVR 1550 Audio/Video Receiver

## SERVICE MANUAL



harman/kardon®

Power for the Digital Revolution™

# Technical Specifications

## Audio Section

|                                                                                       |               |
|---------------------------------------------------------------------------------------|---------------|
| Stereo Mode                                                                           |               |
| Continuous Average Power (FTC)                                                        |               |
| 50 Watts per channel, 20Hz–20kHz,<br>@ < 0.07% THD, both channels driven into 8 ohms  |               |
| Five-Channel Surround Modes                                                           |               |
| Power Per Individual Channel                                                          |               |
| Front L&R channels:<br>40 Watts per channel,<br>@ < 0.07% THD, 20Hz–20kHz into 8 ohms |               |
| Center channel:<br>40 Watts, @ < 0.07% THD, 20Hz–20kHz into 8 ohms                    |               |
| Surround channels:<br>40 Watts per channel,<br>@ < 0.07% THD, 20Hz–20kHz into 8 ohms  |               |
| Input Sensitivity/Impedance                                                           |               |
| Linear (High Level)                                                                   | 200mV/47kohms |
| Signal-to-Noise Ratio (IHF-A)                                                         | 90dB          |
| Surround System Adjacent Channel Separation                                           |               |
| Analog Decoding<br>(Pro Logic, etc.)                                                  | 40dB          |
| Dolby Digital (AC-3)                                                                  | 55dB          |
| DTS                                                                                   | 55dB          |
| Frequency Response                                                                    |               |
| @ 1W (+0dB, –3dB)                                                                     | 10Hz–65kHz    |
| High Instantaneous<br>Current Capability (HCC)                                        | ±25 Amps      |
| Transient Intermodulation<br>Distortion (TIM)                                         | Unmeasurable  |

## FM Tuner Section

|                       |                            |
|-----------------------|----------------------------|
| Frequency Range       | 87.5–108MHz                |
| Usable Sensitivity    | IHF 1.3 µV/13.2dBf         |
| Signal-to-Noise Ratio | Mono/Stereo: 70/65dB (DIN) |
| Distortion            | Mono/Stereo: 0.15/0.3%     |
| Stereo Separation     | 35dB @ 1kHz                |
| Selectivity           | ±300kHz: 65dB              |
| Image Rejection       | 80dB                       |
| IF Rejection          | 90dB                       |

## AM Tuner Section

|                       |                     |
|-----------------------|---------------------|
| Frequency Range       | 520–1611kHz         |
| Signal-to-Noise Ratio | 45dB                |
| Usable Sensitivity    | Loop: 500µV         |
| Distortion            | 1kHz, 50% Mod: 0.8% |
| Selectivity           | ±9kHz: 30dB         |

## Video Section

|                             |                  |
|-----------------------------|------------------|
| Video Format                | PAL/NTSC         |
| Input Level/Impedance       | 1Vp-p/75 ohms    |
| Output Level/Impedance      | 1Vp-p/75 ohms    |
| Video Frequency<br>Response | 10Hz–8MHz (–3dB) |

## General

|                   |                                               |
|-------------------|-----------------------------------------------|
| Power Requirement | AC 220-240V/50Hz                              |
| Power Consumption | 72W idle, 580W maximum<br>(2 channels driven) |
| Dimensions (Max)  |                                               |
| Width             | 440mm                                         |
| Height            | 166mm                                         |
| Depth             | 435mm                                         |
| Weight            | 11 kg                                         |

Depth measurement includes knobs, buttons and terminal connections.  
Height measurement includes feet and chassis.  
All features and specifications are subject to change without notice.

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<sup>†</sup> DTS and DTS Surround are trademarks of Digital Theater Systems, Inc.

<sup>††</sup> UltraStereo is a trademark of UltraStereo Corp.

Crystal is a registered trademark of Cirrus Logic Corp.

# Troubleshooting Guide

| SYMPTOM                                                                         | CAUSE                                                                                                                                                                                        | SOLUTION                                                                                                                                                                                                                                                                                                                                                  |
|---------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Unit does not function when <b>Main Power Switch 1</b> is pushed                | <ul style="list-style-type: none"> <li>No AC Power</li> </ul>                                                                                                                                | <ul style="list-style-type: none"> <li>Make certain AC power cord is plugged into a live outlet</li> <li>Check to see if outlet is switch controlled</li> </ul>                                                                                                                                                                                           |
| Display lights, but no sound or picture                                         | <ul style="list-style-type: none"> <li>Intermittent input connections</li> <li><b>Mute</b> is on</li> <li>Volume control is down</li> </ul>                                                  | <ul style="list-style-type: none"> <li>Make certain that all input and speaker connections are secure</li> <li>Press <b>Mute</b> button <b>3</b></li> <li>Turn up volume control</li> </ul>                                                                                                                                                               |
| Sound is heard, but Front-Panel Display does not light                          | <ul style="list-style-type: none"> <li>Display brightness is turned off</li> </ul>                                                                                                           | <ul style="list-style-type: none"> <li>Follow the instructions in the Display Brightness section on page 23 so that the display is set to VFD FULL</li> </ul>                                                                                                                                                                                             |
| No sound from any speaker; light around <b>Power switch 2</b> is red            | <ul style="list-style-type: none"> <li>Amplifier is in protection mode due to possible short</li> <li>Amplifier is in protection mode due to internal problems</li> </ul>                    | <ul style="list-style-type: none"> <li>Check speaker-wire connections for shorts at receiver and speaker ends</li> <li>Contact your local Harman Kardon service depot</li> </ul>                                                                                                                                                                          |
| No sound from surround or center speakers                                       | <ul style="list-style-type: none"> <li>Incorrect surround mode</li> <li>Incorrect configuration</li> <li>Stereo or Mono program material</li> <li>Speakers not properly connected</li> </ul> | <ul style="list-style-type: none"> <li>Select a mode other than Stereo</li> <li>Check speaker mode</li> <li>With (analog or digital) Dolby surround modes, the surround decoder may not create rear-channel information from non-encoded programs</li> <li>Check speaker-wire connections or use test tone to verify connections (see page 18)</li> </ul> |
| Unit does not respond to remote commands                                        | <ul style="list-style-type: none"> <li>Weak batteries in remote</li> <li>Wrong device selected</li> <li><b>Remote sensor 5</b> is obscured</li> </ul>                                        | <ul style="list-style-type: none"> <li>Change remote batteries</li> <li>Press the <b>AVR selector 6</b></li> <li>Make certain front-panel sensor is visible to remote or connect remote sensor</li> </ul>                                                                                                                                                 |
| Intermittent buzzing in tuner                                                   | <ul style="list-style-type: none"> <li>Local interference</li> </ul>                                                                                                                         | <ul style="list-style-type: none"> <li>Move unit or antenna away from computers, fluorescent lights, motors or other electrical appliances</li> </ul>                                                                                                                                                                                                     |
| Letters flash in the <b>Channel Indicator Display P</b> and Digital Audio stops | <ul style="list-style-type: none"> <li>Digital audio feed paused</li> </ul>                                                                                                                  | <ul style="list-style-type: none"> <li>Resume play for DVD</li> <li>Check that Digital Signal is fed to the Digital Input selected</li> </ul>                                                                                                                                                                                                             |

## Processor Reset

In the rare case where the unit's operation or the displays seem abnormal, the cause may involve the erratic operation of the system's memory or microprocessor.

To correct this problem, first unplug the unit from the AC wall outlet and wait at least three minutes. After the pause, reconnect the AC power cord and check the unit's operation. If the system still malfunctions, a system reset may clear the problem.

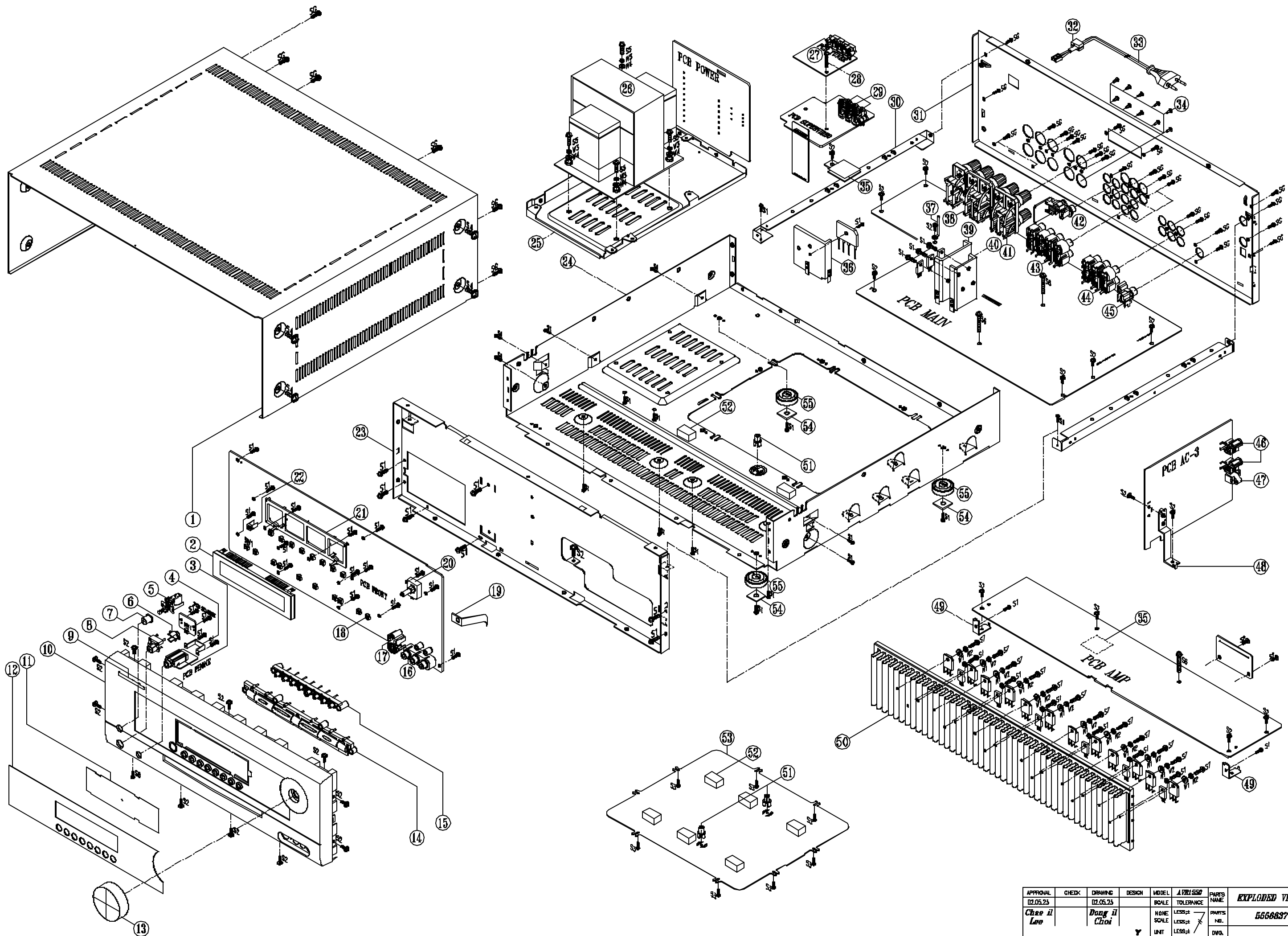
To clear the **AVR 1550's** entire system memory including tuner presets, output level settings, delay times and speaker configuration data, first put the unit in Standby by pressing the **System Power Control** button **2**. Next, press the **Tone Mode 6** and the **RDS 12** buttons simultaneously.

The unit will turn on automatically and display the **R E S E T** message in the **Main Information Display M**. Note that once you have cleared the memory in this manner, it is necessary to re-establish all system configuration settings and tuner presets.

**NOTE:** Resetting the processor will erase any configuration settings you have made for speakers, output levels, surround modes, digital input assignments as well as the tuner presets. After a reset the unit will be returned to the factory presets, and all settings for these items must be reentered.

If the system is still operating incorrectly, there may have been an electronic discharge or severe AC line interference that has corrupted the memory or microprocessor.

If these steps do not solve the problem, consult an authorized Harman Kardon service depot.



|           |       |              |        |       |           |            |               |
|-----------|-------|--------------|--------|-------|-----------|------------|---------------|
| APPROVAL  | CHECK | DRAWING      | DESIGN | MODEL | Δ VRI 550 | PARTS NAME | EXPLODED VIEW |
| 02.05.23  |       | 02.05.23     |        | SCALE | TOLERANCE | PARTS NO.  | 55680370      |
| Cheol Lee |       | Dong il Choi |        | NONE  | LESS±     |            |               |
|           |       |              | Y      | SCALE | LESS±     |            |               |
|           |       |              |        | UNIT  | LESS±     | DWG. NO.   |               |
|           |       |              |        | m/m   | LESS±     |            |               |

| pos | Part number | qty | description                                         |
|-----|-------------|-----|-----------------------------------------------------|
| 1   | 55178050    | 1   | AC PUN COVER TOP                                    |
| 2   | 55155740    | 1   | DISPLAY HNA-10MM22                                  |
| 3   | 55088400    | 1   | CONN-PHJAC 6.35 ST HORZ EST-J6313                   |
| 4   | 55124350    | 1   | AC PUN BRACKET HEADPHONE                            |
| 5   | 55178000    | 1   | SWIPUSH POWER SWITCH 5.0A 250.0V 100MI0OHM 1T 2P    |
| 6   | 55498980    | 1   | AC MLD BUTTON INDICATOR STAND-BY AVR1550 --         |
| 7   | 55177810    | 1   | AC DEC BUTTON POWER HIPS                            |
| 8   | 55498880    | 1   | AC DEC BUTTON STANDBY AVR1550                       |
| 9   | 55510880    | 1   | AC CPL PLATE BADGE HARMAN/KARDON GOLD               |
| 10  | 55498750    | 1   | AC DEC CABINET PANEL FRONT AVR1550                  |
| 11  | 55177800    | 1   | AC DEC CRYSTAL FILTER DISPLAY                       |
| 12  | 55498790    | 1   | AC DEC CRYSTAL DISPLAY AVR1550                      |
| 13  | 55177740    | 1   | AC DEC KNOB MAIN HIPS 94H                           |
| 14  | 55230130    | 1   | AC DEC BUTTON 7 KEY                                 |
| 15  | 55498770    | 1   | AC DEC BUTTON 8 KEY AVR1550 --                      |
| 16  | 55113740    | 1   | CON PHONO SCKT RCA-307 3 PINS                       |
| 17  | 55113960    | 1   | CON DIN SCKT SOCKET CONNECTOR SVHS EST-S408J        |
| 18  | 55145270    | 20  | SWITACT VERTICAL TACTILE F/B 50MI0A 12.0V 500MI0OHM |
| 19  | 55178960    | 1   | AC SPRING PLATE SPRING GND C5212 0.2T AVR520        |
| 20  | 55134900    | 1   | SWIROT EC16B24204A5 5V 500U0A 10T 3P                |
| 21  | 55244320    | 1   | AC MLD HOLDER FL-GUIDE HIPS 94HB                    |
| 22  | 55155930    | 1   | IC-REMOTE RPM6938-RSIP-A3 RECEIVER 38KHZ            |
| 23  | 55178250    | 1   | AC CPL CABINET CHASSIS FRONT SECC 1.0T              |
| 24  | 55192650    | 1   | AC CPL CABINET CHASSIS MAIN                         |
| 25  | 55124310    | 1   | AC PUN BRACKET TRANS                                |
| 26  | 55630390    | 1   | TF-LAM POWER-TRANSFORMER 230V                       |
| 27  | 5522774A    | 1   | EPR TUNER MODULE KST-M1114MW1-60A                   |
| 28  | 55126350    | 1   | AC MLD BUTTON SUPPORT                               |
| 29  | 55149520    | 3   | CON DIN SCKT MIX SOCKET RCA-118JP1S                 |
| 30  | 55178170    | 2   | AC PUN BRACKET FRAME-GUIDE SECC T1.0 --             |
| 31  | 55499080    | 1   | AC CPL REAR PANEL AVR1550                           |
| 32  | 55125180    | 1   | AC MLD CLAMP AC CORD                                |
| 33  | 20720110    | 1   | WIRE-MCRDM 0.82MM2 2000MM BK                        |
| 34  | 55261080    | 10  | AC KNOB CORK SH08M790B0 BK PL                       |
| 35  | 20634190    | 3,5 | FELT BK 30.0MM X 25.0MM 0.8MM 0MM 0 0               |
| 36  | 55311150    | 1   | AC HEATSINK DIODE                                   |
| 37  | 55212250    | 1   | CABLE-FIX CLAMP WIRE UL DENNISON 0 0                |
| 38  | 55262240    | 1   | CONN-SPE TERMINAL SPKR 6P -- FE 4.5MM 6 GN 0 0      |
| 39  | 55298430    | 1   | AC HEATSINK REG TR 3P                               |
| 40  | 55130170    | 1   | AC HEATSINK REG TR 2P                               |
| 41  | 55191390    | 1   | CONN-SPE TERMINAL SPKR 4P SH0410376P FE 19MM        |
| 42  | 55262230    | 1   | CON PHONO SCKT RCA 2P                               |
| 43  | 55176330    | 2   | CON PHONO SCKT RCA 4P JW4104RS GND                  |
| 44  | 55088230    | 1   | CON PHONO SCKT RCA-606P 6 PINS                      |
| 45  | 55191370    | 1   | CON PHONO SCKT RCA 1P JACK JE010003XN               |
| 46  | 55246370    | 2   | CON PHONO SCKT RCA 1P W/GND JE010003LN OG           |

|    |          |    |                                                    |
|----|----------|----|----------------------------------------------------|
| 47 | 55125430 | 1  | D-LEM TORX178B RD RND CL                           |
| 48 | 55124320 | 1  | AC PUN BRACKET AC3 PCB                             |
| 49 | 55132220 | 2  | AC PUN BRACKET MAIN PCB RT2280 --                  |
| 50 | 55184300 | 1  | AC HEATSINK POWER AL6063T5 5.0T                    |
| 51 | 55164980 | 3  | AC MLD BRACKET SPACE PCB PLASTIC                   |
| 52 | 55125220 | 8  | AC RAW BUFFER PCB                                  |
| 53 | 55227770 | 1  | AC PUN COVER BOTTOM SECC T1.0                      |
| 54 | 55174760 | 4  | AC FOOT RUBBER ROUND 3.0MM 25.0MM JIS 60 Y DIA     |
| 55 | 55178110 | 4  | AC FOOT ASSY ROUND 15.8MM 50MM NOT DEFINED Y DIA   |
| S1 | 55127070 | 62 | SCREW-ST 3MM 10MM JIS B 1122 19 0 0                |
| S2 | 55127120 | 32 | SCREW-ST 3MM 8MM JIS B 1122 J5636140040X 53 0 0    |
| S3 | 55127280 | 7  | SCREW-ST 3MM 6MM JIS B 1122 25 0 0                 |
| S4 | 55127140 | 8  | SCREW-ST 4MM 8MM JIS B 1122 J5636140130X 25 0 0    |
| S5 | 55178340 | 4  | SCREW-ST 4MM 10MM A124008000 53 0 A4               |
| S6 | 55127290 | 3  | SCREW-ST 3MM 18MM JIS B 1122 J80600031810 53 0 0   |
| S7 | 55178320 | 15 | SCREW-ST 3MM 12MM JIS B 1122 53 0 A4               |
| SG | 55135460 | 23 | SCREW-SPEC 3MM 10MM JIS 27 0 0                     |
| W1 | 55127310 | 10 | WASHER 3.3MM 8.0MM 0.5MM Y 53 0 A4                 |
| W2 | 55127300 | 15 | WASHER-SPR 3.1MM 6.2MM 0.8MM Y 53 0 I4             |
| W3 | 55168690 | 4  | AC SPRING WASHER RT2250(PAV5005)                   |
| W4 | 55131730 | 4  | WASHER 4.8MM 12MM 1.0MM -- 53 0 I5                 |
| L1 | 55498720 | 3  | AC PRI LABEL BARCODE AVR1550                       |
| L2 | 55174780 | 1  | AC PRI LABEL DATE                                  |
| L3 | 55373490 | 1  | AC PRI LABEL MADE IN PRC                           |
| L4 | 20932870 | 2  | AC PRI LABEL QC CHECK CRKD1217(20 X 13MM)          |
| L5 | 55149150 | 2  | AC PRI LABEL RISK CDRW1211                         |
| L6 | 55499380 | 1  | AC PRI LABEL SERIAL AVR1550                        |
| F1 | 20194780 | 1  | CABLE-FIX CABLE-TIE THE FITMOS PLASTIC 0 0         |
| F2 | 20370190 | 3  | CABLE-FIX WIRE-TIE MELLERMAI TYPE T18R 0 0         |
| F3 | 20181850 | 13 | CABLE-FIX WIRE-TIE WITH LOCK DENNISON TRANSOCEANIC |
| C1 | 55148840 | 1  | FCORE FERRIT MAGNET RING34 34.5X21X12 K-150        |
| C2 | 55157190 | 1  | FCORE FERRIT MAGNET W5T 20X10X10 F5                |
| P  | 55498730 | 1  | AC BOOK INSTR AVR1550                              |
| P  | 55540020 | 1  | AC BOOK INSTR SAFETY BOOKLET                       |
| P  | 55498710 | 1  | AC CARTON AVR1550                                  |
| P  | 20676090 | 1  | AC CPL BAG PE 230MM X 120MM                        |
| P  | 55164890 | 1  | AC CPL BAG POLY PE T0.05 500MM X 300MM             |
| P  | 55178770 | 1  | AC PRI LABEL SAFETY LEAF                           |
| P  | 55170660 | 1  | AC SHEET EPE DVD5 920MM X 1000MM                   |
| P  | 55127460 | 1  | ANTENNA WIRE 75 OHM WIRE CT03-FM 0 0               |
| P  | 55127490 | 1  | ANTENNA WIRE ANTENNA LOOP CT01-AM 0 0              |
| P  | 5502022A | 2  | BATNCALK 1.5V AAA 1.15 AH                          |
| P  | 20357620 | 1  | TAPE-ADH ROLL 3M #373 0.06MM 76MM TRA              |
| P  | 20194840 | 1  | TAPE-ADH ROLL 3M#610 0.11MM 12.7MM --              |
| P  | 55178610 | 2  | AC CPL ENDCAP CUSHION POLY 0.024                   |

| Pos  | Tocom#   | SName                         |
|------|----------|-------------------------------|
| C602 | 20936650 | CC 100P0F +10% -10% 50.0V Y5P |
| C603 | 55126070 | CC 680P0F +10% -10% 50.0V 2B4 |
| C607 | 14039240 | CC 15P0F +5% -5% 50.0V SL     |
| C616 | 20936650 | CC 100P0F +10% -10% 50.0V Y5P |
| C617 | 55126070 | CC 680P0F +10% -10% 50.0V 2B4 |
| C621 | 14039240 | CC 15P0F +5% -5% 50.0V SL     |
| C630 | 20936650 | CC 100P0F +10% -10% 50.0V Y5P |
| C631 | 55126070 | CC 680P0F +10% -10% 50.0V 2B4 |
| C635 | 14039240 | CC 15P0F +5% -5% 50.0V SL     |
| C643 | 20936650 | CC 100P0F +10% -10% 50.0V Y5P |
| C644 | 55126070 | CC 680P0F +10% -10% 50.0V 2B4 |
| C648 | 14039240 | CC 15P0F +5% -5% 50.0V SL     |
| C656 | 20936650 | CC 100P0F +10% -10% 50.0V Y5P |
| C657 | 55126070 | CC 680P0F +10% -10% 50.0V 2B4 |
| C661 | 14039240 | CC 15P0F +5% -5% 50.0V SL     |
| D601 | 70436540 | D-SLP 1N4148 100.0V 150E-3A   |
| D602 | 70436540 | D-SLP 1N4148 100.0V 150E-3A   |
| D603 | 70436540 | D-SLP 1N4148 100.0V 150E-3A   |
| D604 | 70436540 | D-SLP 1N4148 100.0V 150E-3A   |
| D605 | 70436540 | D-SLP 1N4148 100.0V 150E-3A   |
| D606 | 70436540 | D-SLP 1N4148 100.0V 150E-3A   |
| D607 | 70436540 | D-SLP 1N4148 100.0V 150E-3A   |
| D608 | 70436540 | D-SLP 1N4148 100.0V 150E-3A   |
| D609 | 70436540 | D-SLP 1N4148 100.0V 150E-3A   |
| D610 | 70436540 | D-SLP 1N4148 100.0V 150E-3A   |
| R601 | 11059640 | RCF 1K0 OHM +5% 250MI0W       |
| R602 | 30939490 | RCF 33K0 OHM +5% 250MI0W      |
| R603 | 30939370 | RCF 15R0 OHM +5% 250MI0W      |
| R604 | 30939370 | RCF 15R0 OHM +5% 250MI0W      |
| R605 | 11059630 | RCF 680R0 OHM +5% 250MI0W     |
| R606 | 30939460 | RCF 750R0 OHM +5% 250MI0W     |
| R607 | 30939460 | RCF 750R0 OHM +5% 250MI0W     |
| R608 | 50882940 | RCF 68R0 OHM +5% 250MI0W      |
| R609 | 50882960 | RCF 150R0 OHM +5% 250MI0W     |
| R610 | 30939480 | RCF 10K0 OHM +5% 250MI0W      |
| R611 | 20469510 | RCF 43K0 OHM +5% 250MI0W      |
| R612 | 30939490 | RCF 33K0 OHM +5% 250MI0W      |
| R613 | 20469460 | RCF 2K2 OHM +5% 250MI0W       |
| R614 | 60441560 | RCF 560R0 OHM +5% 250MI0W     |
| R615 | 60441560 | RCF 560R0 OHM +5% 250MI0W     |
| R616 | 60441560 | RCF 560R0 OHM +5% 250MI0W     |
| R617 | 60441560 | RCF 560R0 OHM +5% 250MI0W     |
| R618 | 60441560 | RCF 560R0 OHM +5% 250MI0W     |
| R619 | 60441560 | RCF 560R0 OHM +5% 250MI0W     |
| R620 | 60441560 | RCF 560R0 OHM +5% 250MI0W     |
| R621 | 60441580 | RCF 22K0 OHM +5% 250MI0W      |
| R622 | 60441580 | RCF 22K0 OHM +5% 250MI0W      |
| R623 | 50882980 | RCF 820R0 OHM +5% 250MI0W     |
| R624 | 80436990 | RCF 910R0 OHM +5% 250MI0W     |
| R625 | 80437000 | RCF 1K2 OHM +5% 250MI0W       |
| R626 | 11059590 | RCF 82R0 OHM +5% 250MI0W      |
| R627 | 11059590 | RCF 82R0 OHM +5% 250MI0W      |
| R628 | 70434970 | RCF 3R3 OHM +5% 250MI0W       |
| R629 | 70434970 | RCF 3R3 OHM +5% 250MI0W       |
| R630 | 50882950 | RCF 100R0 OHM +5% 250MI0W     |
| R631 | 50882950 | RCF 100R0 OHM +5% 250MI0W     |
| R635 | 80437010 | RCF 1K8 OHM +5% 250MI0W       |
| R636 | 20469460 | RCF 2K2 OHM +5% 250MI0W       |

| Pos  | Tocom#   | SName                     |
|------|----------|---------------------------|
| R637 | 80436990 | RCF 910R0 OHM +5% 250MI0W |
| R642 | 20469490 | RCF 6K8 OHM +5% 250MI0W   |
| R643 | 11059640 | RCF 1K0 OHM +5% 250MI0W   |
| R644 | 30939490 | RCF 33K0 OHM +5% 250MI0W  |
| R645 | 30939370 | RCF 15R0 OHM +5% 250MI0W  |
| R646 | 30939370 | RCF 15R0 OHM +5% 250MI0W  |
| R647 | 11059630 | RCF 680R0 OHM +5% 250MI0W |
| R648 | 30939460 | RCF 750R0 OHM +5% 250MI0W |
| R649 | 30939460 | RCF 750R0 OHM +5% 250MI0W |
| R650 | 50882940 | RCF 68R0 OHM +5% 250MI0W  |
| R651 | 50882960 | RCF 150R0 OHM +5% 250MI0W |
| R652 | 30939480 | RCF 10K0 OHM +5% 250MI0W  |
| R653 | 20469510 | RCF 43K0 OHM +5% 250MI0W  |
| R654 | 30939490 | RCF 33K0 OHM +5% 250MI0W  |
| R655 | 20469460 | RCF 2K2 OHM +5% 250MI0W   |
| R656 | 60441560 | RCF 560R0 OHM +5% 250MI0W |
| R657 | 60441560 | RCF 560R0 OHM +5% 250MI0W |
| R658 | 60441560 | RCF 560R0 OHM +5% 250MI0W |
| R659 | 60441560 | RCF 560R0 OHM +5% 250MI0W |
| R660 | 60441560 | RCF 560R0 OHM +5% 250MI0W |
| R661 | 60441560 | RCF 560R0 OHM +5% 250MI0W |
| R662 | 60441560 | RCF 560R0 OHM +5% 250MI0W |
| R663 | 60441580 | RCF 22K0 OHM +5% 250MI0W  |
| R664 | 60441580 | RCF 22K0 OHM +5% 250MI0W  |
| R665 | 50882980 | RCF 820R0 OHM +5% 250MI0W |
| R666 | 80436990 | RCF 910R0 OHM +5% 250MI0W |
| R667 | 80437000 | RCF 1K2 OHM +5% 250MI0W   |
| R668 | 11059590 | RCF 82R0 OHM +5% 250MI0W  |
| R669 | 11059590 | RCF 82R0 OHM +5% 250MI0W  |
| R670 | 70434970 | RCF 3R3 OHM +5% 250MI0W   |
| R671 | 70434970 | RCF 3R3 OHM +5% 250MI0W   |
| R672 | 50882950 | RCF 100R0 OHM +5% 250MI0W |
| R673 | 50882950 | RCF 100R0 OHM +5% 250MI0W |
| R677 | 80437010 | RCF 1K8 OHM +5% 250MI0W   |
| R678 | 20469460 | RCF 2K2 OHM +5% 250MI0W   |
| R679 | 80436990 | RCF 910R0 OHM +5% 250MI0W |
| R684 | 20469490 | RCF 6K8 OHM +5% 250MI0W   |
| R685 | 11059640 | RCF 1K0 OHM +5% 250MI0W   |
| R686 | 30939490 | RCF 33K0 OHM +5% 250MI0W  |
| R687 | 30939370 | RCF 15R0 OHM +5% 250MI0W  |
| R688 | 30939370 | RCF 15R0 OHM +5% 250MI0W  |
| R689 | 11059630 | RCF 680R0 OHM +5% 250MI0W |
| R690 | 30939460 | RCF 750R0 OHM +5% 250MI0W |
| R691 | 30939460 | RCF 750R0 OHM +5% 250MI0W |
| R692 | 50882940 | RCF 68R0 OHM +5% 250MI0W  |
| R693 | 50882960 | RCF 150R0 OHM +5% 250MI0W |
| R694 | 30939480 | RCF 10K0 OHM +5% 250MI0W  |
| R695 | 20469510 | RCF 43K0 OHM +5% 250MI0W  |
| R696 | 30939490 | RCF 33K0 OHM +5% 250MI0W  |
| R697 | 20469460 | RCF 2K2 OHM +5% 250MI0W   |
| R698 | 60441560 | RCF 560R0 OHM +5% 250MI0W |
| R699 | 60441560 | RCF 560R0 OHM +5% 250MI0W |
| R700 | 60441560 | RCF 560R0 OHM +5% 250MI0W |
| R701 | 60441560 | RCF 560R0 OHM +5% 250MI0W |
| R702 | 60441560 | RCF 560R0 OHM +5% 250MI0W |
| R703 | 60441560 | RCF 560R0 OHM +5% 250MI0W |
| R704 | 60441560 | RCF 560R0 OHM +5% 250MI0W |
| R705 | 60441580 | RCF 22K0 OHM +5% 250MI0W  |

| Pos  | Tocom#   | SName                     |
|------|----------|---------------------------|
| R706 | 60441580 | RCF 22K0 OHM +5% 250MIOW  |
| R707 | 50882980 | RCF 820R0 OHM +5% 250MIOW |
| R708 | 80436990 | RCF 910R0 OHM +5% 250MIOW |
| R709 | 80437000 | RCF 1K2 OHM +5% 250MIOW   |
| R710 | 11059590 | RCF 82R0 OHM +5% 250MIOW  |
| R711 | 11059590 | RCF 82R0 OHM +5% 250MIOW  |
| R712 | 70434970 | RCF 3R3 OHM +5% 250MIOW   |
| R713 | 70434970 | RCF 3R3 OHM +5% 250MIOW   |
| R714 | 50882950 | RCF 100R0 OHM +5% 250MIOW |
| R715 | 50882950 | RCF 100R0 OHM +5% 250MIOW |
| R719 | 80437010 | RCF 1K8 OHM +5% 250MIOW   |
| R720 | 20469460 | RCF 2K2 OHM +5% 250MIOW   |
| R721 | 80436990 | RCF 910R0 OHM +5% 250MIOW |
| R726 | 20469490 | RCF 6K8 OHM +5% 250MIOW   |
| R727 | 11059640 | RCF 1K0 OHM +5% 250MIOW   |
| R728 | 30939490 | RCF 33K0 OHM +5% 250MIOW  |
| R729 | 30939370 | RCF 15R0 OHM +5% 250MIOW  |
| R730 | 30939370 | RCF 15R0 OHM +5% 250MIOW  |
| R731 | 11059630 | RCF 680R0 OHM +5% 250MIOW |
| R732 | 30939460 | RCF 750R0 OHM +5% 250MIOW |
| R733 | 30939460 | RCF 750R0 OHM +5% 250MIOW |
| R734 | 50882940 | RCF 68R0 OHM +5% 250MIOW  |
| R735 | 50882960 | RCF 150R0 OHM +5% 250MIOW |
| R736 | 30939480 | RCF 10K0 OHM +5% 250MIOW  |
| R737 | 20469510 | RCF 43K0 OHM +5% 250MIOW  |
| R738 | 30939490 | RCF 33K0 OHM +5% 250MIOW  |
| R739 | 20469460 | RCF 2K2 OHM +5% 250MIOW   |
| R740 | 60441560 | RCF 560R0 OHM +5% 250MIOW |
| R741 | 60441560 | RCF 560R0 OHM +5% 250MIOW |
| R742 | 60441560 | RCF 560R0 OHM +5% 250MIOW |
| R743 | 60441560 | RCF 560R0 OHM +5% 250MIOW |
| R744 | 60441560 | RCF 560R0 OHM +5% 250MIOW |
| R745 | 60441560 | RCF 560R0 OHM +5% 250MIOW |
| R746 | 60441560 | RCF 560R0 OHM +5% 250MIOW |
| R747 | 60441580 | RCF 22K0 OHM +5% 250MIOW  |
| R748 | 60441580 | RCF 22K0 OHM +5% 250MIOW  |
| R749 | 50882980 | RCF 820R0 OHM +5% 250MIOW |
| R750 | 80436990 | RCF 910R0 OHM +5% 250MIOW |
| R751 | 80437000 | RCF 1K2 OHM +5% 250MIOW   |
| R752 | 11059590 | RCF 82R0 OHM +5% 250MIOW  |
| R753 | 11059590 | RCF 82R0 OHM +5% 250MIOW  |
| R754 | 70434970 | RCF 3R3 OHM +5% 250MIOW   |
| R755 | 70434970 | RCF 3R3 OHM +5% 250MIOW   |
| R756 | 50882950 | RCF 100R0 OHM +5% 250MIOW |
| R757 | 50882950 | RCF 100R0 OHM +5% 250MIOW |
| R761 | 80437010 | RCF 1K8 OHM +5% 250MIOW   |
| R762 | 20469460 | RCF 2K2 OHM +5% 250MIOW   |
| R763 | 80436990 | RCF 910R0 OHM +5% 250MIOW |
| R764 | 20469490 | RCF 6K8 OHM +5% 250MIOW   |
| R765 | 11059640 | RCF 1K0 OHM +5% 250MIOW   |
| R766 | 30939490 | RCF 33K0 OHM +5% 250MIOW  |
| R767 | 30939370 | RCF 15R0 OHM +5% 250MIOW  |
| R768 | 30939370 | RCF 15R0 OHM +5% 250MIOW  |
| R769 | 11059630 | RCF 680R0 OHM +5% 250MIOW |
| R770 | 30939460 | RCF 750R0 OHM +5% 250MIOW |
| R771 | 30939460 | RCF 750R0 OHM +5% 250MIOW |
| R772 | 50882940 | RCF 68R0 OHM +5% 250MIOW  |
| R773 | 50882960 | RCF 150R0 OHM +5% 250MIOW |

| Pos  | Tocom#   | SName                     |
|------|----------|---------------------------|
| R774 | 30939480 | RCF 10K0 OHM +5% 250MI0W  |
| R775 | 20469510 | RCF 43K0 OHM +5% 250MI0W  |
| R776 | 30939490 | RCF 33K0 OHM +5% 250MI0W  |
| R777 | 20469460 | RCF 2K2 OHM +5% 250MI0W   |
| R778 | 60441560 | RCF 560R0 OHM +5% 250MI0W |
| R779 | 60441560 | RCF 560R0 OHM +5% 250MI0W |
| R780 | 60441560 | RCF 560R0 OHM +5% 250MI0W |
| R781 | 60441560 | RCF 560R0 OHM +5% 250MI0W |
| R782 | 60441560 | RCF 560R0 OHM +5% 250MI0W |
| R783 | 60441560 | RCF 560R0 OHM +5% 250MI0W |
| R784 | 60441560 | RCF 560R0 OHM +5% 250MI0W |
| R785 | 60441580 | RCF 22K0 OHM +5% 250MI0W  |
| R786 | 60441580 | RCF 22K0 OHM +5% 250MI0W  |
| R787 | 50882980 | RCF 820R0 OHM +5% 250MI0W |
| R788 | 80436990 | RCF 910R0 OHM +5% 250MI0W |
| R789 | 80437000 | RCF 1K2 OHM +5% 250MI0W   |
| R790 | 11059590 | RCF 82R0 OHM +5% 250MI0W  |
| R791 | 11059590 | RCF 82R0 OHM +5% 250MI0W  |
| R792 | 70434970 | RCF 3R3 OHM +5% 250MI0W   |
| R793 | 70434970 | RCF 3R3 OHM +5% 250MI0W   |
| R794 | 50882950 | RCF 100R0 OHM +5% 250MI0W |
| R795 | 50882950 | RCF 100R0 OHM +5% 250MI0W |
| R799 | 80437010 | RCF 1K8 OHM +5% 250MI0W   |
| R800 | 20469460 | RCF 2K2 OHM +5% 250MI0W   |
| R801 | 80436990 | RCF 910R0 OHM +5% 250MI0W |
| R802 | 20469490 | RCF 6K8 OHM +5% 250MI0W   |
| R803 | 60441580 | RCF 22K0 OHM +5% 250MI0W  |
| R804 | 60441580 | RCF 22K0 OHM +5% 250MI0W  |
| R805 | 50883030 | RCF 150K0 OHM +5% 250MI0W |
| R851 | 60441580 | RCF 22K0 OHM +5% 250MI0W  |
| R852 | 60441580 | RCF 22K0 OHM +5% 250MI0W  |
| R853 | 60441580 | RCF 22K0 OHM +5% 250MI0W  |
| C601 | 20178680 | CE 4U7F +20% 50.0V 85C    |
| C604 | 20251930 | CE 22U0F +20% 16.0V 85C   |
| C605 | 20247150 | CE 33U0F +20% 25.0V 85C   |
| C606 | 20267830 | CE 47U0F +20% 16.0V 85C   |
| C610 | 13055500 | CE 10U0F +20% 50.0V 85C   |
| C612 | 13055500 | CE 10U0F +20% 50.0V 85C   |
| C615 | 20178680 | CE 4U7F +20% 50.0V 85C    |
| C618 | 20251930 | CE 22U0F +20% 16.0V 85C   |
| C619 | 20247150 | CE 33U0F +20% 25.0V 85C   |
| C620 | 20267830 | CE 47U0F +20% 16.0V 85C   |
| C624 | 13055500 | CE 10U0F +20% 50.0V 85C   |
| C626 | 13055500 | CE 10U0F +20% 50.0V 85C   |
| C629 | 20178680 | CE 4U7F +20% 50.0V 85C    |
| C632 | 20251930 | CE 22U0F +20% 16.0V 85C   |
| C633 | 20247150 | CE 33U0F +20% 25.0V 85C   |
| C634 | 20267830 | CE 47U0F +20% 16.0V 85C   |
| C638 | 13055500 | CE 10U0F +20% 50.0V 85C   |
| C639 | 13055500 | CE 10U0F +20% 50.0V 85C   |
| C642 | 20178680 | CE 4U7F +20% 50.0V 85C    |
| C645 | 20251930 | CE 22U0F +20% 16.0V 85C   |
| C646 | 20247150 | CE 33U0F +20% 25.0V 85C   |
| C647 | 20267830 | CE 47U0F +20% 16.0V 85C   |
| C651 | 13055500 | CE 10U0F +20% 50.0V 85C   |
| C652 | 13055500 | CE 10U0F +20% 50.0V 85C   |
| C655 | 20178680 | CE 4U7F +20% 50.0V 85C    |
| C658 | 20251930 | CE 22U0F +20% 16.0V 85C   |

| Pos  | Tocom#   | SName                               |
|------|----------|-------------------------------------|
| C665 | 13055500 | CE 10U0F +20% 50.0V 85C             |
| C668 | 20267420 | CE 1U0F +20% 50.0V 105C             |
| Q601 | 55133230 | TR-SLPLF KTA1268 GR P 100MIOA -120V |
| Q602 | 55133230 | TR-SLPLF KTA1268 GR P 100MIOA -120V |
| Q603 | 55133230 | TR-SLPLF KTA1268 GR P 100MIOA -120V |
| Q604 | 20508210 | TR-SLPLF KTA1266 Y P 150MIOA        |
| Q605 | 20556600 | TR-SHPLF KTC3200BL N 100MIOA 120V   |
| Q606 | 55133230 | TR-SLPLF KTA1268 GR P 100MIOA -120V |
| Q607 | 20556600 | TR-SHPLF KTC3200BL N 100MIOA 120V   |
| Q609 | 55133260 | TR-SLPLF KTA1024 Y P 50MIOA -150V   |
| Q610 | 55133240 | TR-SLPLF KTC3206 Y N 50MIOA 150V    |
| Q615 | 20556600 | TR-SHPLF KTC3200BL N 100MIOA 120V   |
| Q616 | 55133230 | TR-SLPLF KTA1268 GR P 100MIOA -120V |
| Q617 | 55133230 | TR-SLPLF KTA1268 GR P 100MIOA -120V |
| Q618 | 55133230 | TR-SLPLF KTA1268 GR P 100MIOA -120V |
| Q619 | 20508210 | TR-SLPLF KTA1266 Y P 150MIOA        |
| Q620 | 20556600 | TR-SHPLF KTC3200BL N 100MIOA 120V   |
| Q621 | 55133230 | TR-SLPLF KTA1268 GR P 100MIOA -120V |
| Q622 | 20556600 | TR-SHPLF KTC3200BL N 100MIOA 120V   |
| Q624 | 55133260 | TR-SLPLF KTA1024 Y P 50MIOA -150V   |
| Q625 | 55133240 | TR-SLPLF KTC3206 Y N 50MIOA 150V    |
| Q630 | 20556600 | TR-SHPLF KTC3200BL N 100MIOA 120V   |
| Q631 | 55133230 | TR-SLPLF KTA1268 GR P 100MIOA -120V |
| Q632 | 55133230 | TR-SLPLF KTA1268 GR P 100MIOA -120V |
| Q633 | 55133230 | TR-SLPLF KTA1268 GR P 100MIOA -120V |
| Q634 | 20508210 | TR-SLPLF KTA1266 Y P 150MIOA        |
| Q635 | 20556600 | TR-SHPLF KTC3200BL N 100MIOA 120V   |
| Q636 | 55133230 | TR-SLPLF KTA1268 GR P 100MIOA -120V |
| Q637 | 20556600 | TR-SHPLF KTC3200BL N 100MIOA 120V   |
| Q639 | 55133260 | TR-SLPLF KTA1024 Y P 50MIOA -150V   |
| Q640 | 55133240 | TR-SLPLF KTC3206 Y N 50MIOA 150V    |
| Q645 | 20556600 | TR-SHPLF KTC3200BL N 100MIOA 120V   |
| Q646 | 55133230 | TR-SLPLF KTA1268 GR P 100MIOA -120V |
| Q647 | 55133230 | TR-SLPLF KTA1268 GR P 100MIOA -120V |
| Q648 | 55133230 | TR-SLPLF KTA1268 GR P 100MIOA -120V |
| Q649 | 20508210 | TR-SLPLF KTA1266 Y P 150MIOA        |
| Q650 | 20556600 | TR-SHPLF KTC3200BL N 100MIOA 120V   |
| Q651 | 55133230 | TR-SLPLF KTA1268 GR P 100MIOA -120V |
| Q652 | 20556600 | TR-SHPLF KTC3200BL N 100MIOA 120V   |
| Q654 | 55133260 | TR-SLPLF KTA1024 Y P 50MIOA -150V   |
| Q655 | 55133240 | TR-SLPLF KTC3206 Y N 50MIOA 150V    |
| Q660 | 20556600 | TR-SHPLF KTC3200BL N 100MIOA 120V   |
| Q661 | 55133230 | TR-SLPLF KTA1268 GR P 100MIOA -120V |
| Q662 | 55133230 | TR-SLPLF KTA1268 GR P 100MIOA -120V |
| Q663 | 55133230 | TR-SLPLF KTA1268 GR P 100MIOA -120V |
| Q664 | 20508210 | TR-SLPLF KTA1266 Y P 150MIOA        |
| Q665 | 20556600 | TR-SHPLF KTC3200BL N 100MIOA 120V   |
| Q666 | 55133230 | TR-SLPLF KTA1268 GR P 100MIOA -120V |
| Q667 | 20556600 | TR-SHPLF KTC3200BL N 100MIOA 120V   |
| Q669 | 55133260 | TR-SLPLF KTA1024 Y P 50MIOA -150V   |
| Q670 | 55133240 | TR-SLPLF KTC3206 Y N 50MIOA 150V    |
| Q675 | 20556600 | TR-SHPLF KTC3200BL N 100MIOA 120V   |
| Q676 | 55133210 | TR-SLPLF DTC114YSA N 100MIOA        |
| C608 | 11054760 | CE 100U0F +20% 63.0V 85C            |
| C609 | 11054760 | CE 100U0F +20% 63.0V 85C            |
| C622 | 11054760 | CE 100U0F +20% 63.0V 85C            |
| C623 | 11054760 | CE 100U0F +20% 63.0V 85C            |
| C636 | 11054760 | CE 100U0F +20% 63.0V 85C            |

| Pos   | Tocom#   | SName                                             |
|-------|----------|---------------------------------------------------|
| C637  | 11054760 | CE 100U0F +20% 63.0V 85C                          |
| C649  | 11054760 | CE 100U0F +20% 63.0V 85C                          |
| C650  | 11054760 | CE 100U0F +20% 63.0V 85C                          |
| C662  | 11054760 | CE 100U0F +20% 63.0V 85C                          |
| C663  | 11054760 | CE 100U0F +20% 63.0V 85C                          |
| CN503 | 55184160 | WIRECONASY UNIQUE 5P 680MM UL1007 PVC DISCRETE 22 |
| CP308 | 55177620 | CONN 2.5MM 3 MA ST NAT 0 0                        |
| CP501 | 55177610 | CONN 2.5MM 7 MA ST WH 0 0                         |
| CP502 | 55090050 | CONN 2.0MM 10 MA ST NAT LW2002P10 0 0             |
| MR601 | 55134140 | RMOF 390MI0 OHM +5% 3.0W                          |
| MR602 | 55134140 | RMOF 390MI0 OHM +5% 3.0W                          |
| MR603 | 55134140 | RMOF 390MI0 OHM +5% 3.0W                          |
| MR604 | 55134140 | RMOF 390MI0 OHM +5% 3.0W                          |
| MR605 | 55134140 | RMOF 390MI0 OHM +5% 3.0W                          |
| MR606 | 55134140 | RMOF 390MI0 OHM +5% 3.0W                          |
| MR607 | 55134140 | RMOF 390MI0 OHM +5% 3.0W                          |
| MR608 | 55134140 | RMOF 390MI0 OHM +5% 3.0W                          |
| MR609 | 55134140 | RMOF 390MI0 OHM +5% 3.0W                          |
| MR610 | 55134140 | RMOF 390MI0 OHM +5% 3.0W                          |

| Pos  | Tocom#   | SName                                    |
|------|----------|------------------------------------------|
| BD10 | 80440510 | RMGCFMIN 0 OHM +0% 100MIOW               |
| BD14 | 55126690 | FBEAD SURFACE MT 2500OHM FCM2012H-252T02 |
| BD16 | 80440510 | RMGCFMIN 0 OHM +0% 100MIOW               |
| BD17 | 20471950 | RMGCFMIN 1K0 OHM +5% 100MIOW             |
| BD18 | 20471950 | RMGCFMIN 1K0 OHM +5% 100MIOW             |
| BD19 | 80440510 | RMGCFMIN 0 OHM +0% 100MIOW               |
| BD20 | 80440510 | RMGCFMIN 0 OHM +0% 100MIOW               |
| BD22 | 80440510 | RMGCFMIN 0 OHM +0% 100MIOW               |
| BD23 | 80440510 | RMGCFMIN 0 OHM +0% 100MIOW               |
| BD25 | 55126690 | FBEAD SURFACE MT 2500OHM FCM2012H-252T02 |
| BD26 | 80440510 | RMGCFMIN 0 OHM +0% 100MIOW               |
| BD27 | 80440510 | RMGCFMIN 0 OHM +0% 100MIOW               |
| BD29 | 80440510 | RMGCFMIN 0 OHM +0% 100MIOW               |
| BD30 | 30944260 | RMGCFMIN 22R0 OHM +5% 100MIOW            |
| BD31 | 30944260 | RMGCFMIN 22R0 OHM +5% 100MIOW            |
| BD32 | 30944260 | RMGCFMIN 22R0 OHM +5% 100MIOW            |
| BD34 | 80440510 | RMGCFMIN 0 OHM +0% 100MIOW               |
| BD35 | 80440510 | RMGCFMIN 0 OHM +0% 100MIOW               |
| BD37 | 30944260 | RMGCFMIN 22R0 OHM +5% 100MIOW            |
| BD38 | 80440510 | RMGCFMIN 0 OHM +0% 100MIOW               |
| BD39 | 80440510 | RMGCFMIN 0 OHM +0% 100MIOW               |
| BD4  | 55126690 | FBEAD SURFACE MT 2500OHM FCM2012H-252T02 |
| BD5  | 55126650 | FBEAD SURFACE MT 300OHM FCM2012V-301T07  |
| BD8  | 55126690 | FBEAD SURFACE MT 2500OHM FCM2012H-252T02 |
| C10  | 11059320 | CCCFMIN 1N0F +10% -10% 50.0V X7R         |
| C11  | 30938730 | CCCFMIN 220P0F +5% -5% 50.0V NP0         |
| C116 | 11059320 | CCCFMIN 1N0F +10% -10% 50.0V X7R         |
| C117 | 11059320 | CCCFMIN 1N0F +10% -10% 50.0V X7R         |
| C118 | 11059320 | CCCFMIN 1N0F +10% -10% 50.0V X7R         |
| C120 | 11059320 | CCCFMIN 1N0F +10% -10% 50.0V X7R         |
| C121 | 11059320 | CCCFMIN 1N0F +10% -10% 50.0V X7R         |
| C122 | 20267290 | CCCFMIN 100N0F +80% -20% 50.0V Y5V       |
| C136 | 11059320 | CCCFMIN 1N0F +10% -10% 50.0V X7R         |
| C14  | 20267290 | CCCFMIN 100N0F +80% -20% 50.0V Y5V       |
| C140 | 11059320 | CCCFMIN 1N0F +10% -10% 50.0V X7R         |
| C141 | 40435540 | CCCFMIN 5N6F +10% -10% 50.0V X7R         |
| C152 | 30938730 | CCCFMIN 220P0F +5% -5% 50.0V NP0         |
| C152 | 80436520 | CCCFMIN 56P0F +5% -5% 50.0V NP0          |
| C154 | 20469340 | CCCFMIN 4N7F +10% -10% 50.0V X7R         |
| C162 | 20469340 | CCCFMIN 4N7F +10% -10% 50.0V X7R         |
| C170 | 20469340 | CCCFMIN 4N7F +10% -10% 50.0V X7R         |
| C172 | 20267290 | CCCFMIN 100N0F +80% -20% 50.0V Y5V       |
| C173 | 20469340 | CCCFMIN 4N7F +10% -10% 50.0V X7R         |
| C178 | 20267290 | CCCFMIN 100N0F +80% -20% 50.0V Y5V       |
| C180 | 20267290 | CCCFMIN 100N0F +80% -20% 50.0V Y5V       |
| C182 | 20267290 | CCCFMIN 100N0F +80% -20% 50.0V Y5V       |
| C183 | 30938730 | CCCFMIN 220P0F +5% -5% 50.0V NP0         |
| C184 | 30938730 | CCCFMIN 220P0F +5% -5% 50.0V NP0         |
| C185 | 30938730 | CCCFMIN 220P0F +5% -5% 50.0V NP0         |
| C186 | 30938730 | CCCFMIN 220P0F +5% -5% 50.0V NP0         |
| C187 | 30938730 | CCCFMIN 220P0F +5% -5% 50.0V NP0         |
| C204 | 11058670 | CCCFMIN 100P0F +5% -5% 50.0V NP0         |
| C213 | 11059320 | CCCFMIN 1N0F +10% -10% 50.0V X7R         |
| C214 | 11059320 | CCCFMIN 1N0F +10% -10% 50.0V X7R         |
| C215 | 11059320 | CCCFMIN 1N0F +10% -10% 50.0V X7R         |
| C22  | 11059340 | CCCFMIN 10N0F +10% -10% 50.0V X7R        |
| C23  | 20267320 | CCCFMIN 220N0F +80% -20% 50.0V Y5V       |
| C26  | 11059340 | CCCFMIN 10N0F +10% -10% 50.0V X7R        |

| Pos  | Tocom#   | SName                                   |
|------|----------|-----------------------------------------|
| C29  | 40435540 | CCCFMIN 5N6F +10% -10% 50.0V X7R        |
| C3   | 11059320 | CCCFMIN 1N0F +10% -10% 50.0V X7R        |
| C35  | 11059340 | CCCFMIN 10N0F +10% -10% 50.0V X7R       |
| C38  | 11059320 | CCCFMIN 1N0F +10% -10% 50.0V X7R        |
| C39  | 11059320 | CCCFMIN 1N0F +10% -10% 50.0V X7R        |
| C4   | 11059340 | CCCFMIN 10N0F +10% -10% 50.0V X7R       |
| C4   | 80440510 | RMGCFMIN 0 OHM +0% 100MI0W              |
| C44  | 11059320 | CCCFMIN 1N0F +10% -10% 50.0V X7R        |
| C45  | 11059320 | CCCFMIN 1N0F +10% -10% 50.0V X7R        |
| C47  | 11059320 | CCCFMIN 1N0F +10% -10% 50.0V X7R        |
| C48  | 11059320 | CCCFMIN 1N0F +10% -10% 50.0V X7R        |
| C5   | 20267290 | CCCFMIN 100N0F +80% -20% 50.0V Y5V      |
| C5   | 55125380 | IC-LOWFREQ CS493263-CL DSP              |
| C51  | 11059320 | CCCFMIN 1N0F +10% -10% 50.0V X7R        |
| C52  | 11059320 | CCCFMIN 1N0F +10% -10% 50.0V X7R        |
| C54  | 11059320 | CCCFMIN 1N0F +10% -10% 50.0V X7R        |
| C58  | 11059320 | CCCFMIN 1N0F +10% -10% 50.0V X7R        |
| C59  | 11058670 | CCCFMIN 100P0F +5% -5% 50.0V NP0        |
| C60  | 11059330 | CCCFMIN 2N2F +10% -10% 50.0V X7R        |
| C61  | 20267290 | CCCFMIN 100N0F +80% -20% 50.0V Y5V      |
| C63  | 11058670 | CCCFMIN 100P0F +5% -5% 50.0V NP0        |
| C64  | 11058670 | CCCFMIN 100P0F +5% -5% 50.0V NP0        |
| C65  | 11059330 | CCCFMIN 2N2F +10% -10% 50.0V X7R        |
| C72  | 30938700 | CCCFMIN 68P0F +5% -5% 50.0V NP0         |
| C74  | 20267290 | CCCFMIN 100N0F +80% -20% 50.0V Y5V      |
| C78  | 30938730 | CCCFMIN 220P0F +5% -5% 50.0V NP0        |
| C8   | 11059320 | CCCFMIN 1N0F +10% -10% 50.0V X7R        |
| C9   | 11059320 | CCCFMIN 1N0F +10% -10% 50.0V X7R        |
| IC1  | 5512539A | IC COMM CS4228 QFP44 E VERSION CODEC ID |
| IC11 | 20920060 | IC-OPERAMP KIA4558F DUAL OP             |
| IC11 | 20976940 | IC-OPERAMP BA4558F DUAL OP              |
| IC12 | 20920060 | IC-OPERAMP KIA4558F DUAL OP             |
| IC12 | 20976940 | IC-OPERAMP BA4558F DUAL OP              |
| IC14 | 55125410 | IC-LOWFREQ CS8415A-CS DSP               |
| IC18 | 55125420 | IC-LOGIC 74VHC244MX INVERTER CMOS       |
| IC19 | 55125420 | IC-LOGIC 74VHC244MX INVERTER CMOS       |
| IC4  | 55171060 | IC-EPROM AT27LV010A-90JC                |
| IC5  | 55125380 | IC-LOWFREQ CS493263-CL DSP              |
| IC5  | 55125380 | IC-LOWFREQ CS493263-CL DSP              |
| IC5  | 5512538A | IC-LOWFREQ CS493263-CL G VERSION DSP    |
| IC5  | 5512538A | IC-LOWFREQ CS493263-CL G VERSION DSP    |
| IC6  | 20920060 | IC-OPERAMP KIA4558F DUAL OP             |
| IC6  | 20976940 | IC-OPERAMP BA4558F DUAL OP              |
| IC7  | 20920060 | IC-OPERAMP KIA4558F DUAL OP             |
| IC7  | 20976940 | IC-OPERAMP BA4558F DUAL OP              |
| IC72 | 30938700 | CCCFMIN 68P0F +5% -5% 50.0V NP0         |
| IC8  | 20920060 | IC-OPERAMP KIA4558F DUAL OP             |
| IC8  | 20976940 | IC-OPERAMP BA4558F DUAL OP              |
| IC9  | 55133310 | IC-LOGIC M74HCU04M1R INVERTER HCT       |
| L1   | 55185090 | LF-SMD 33U0H +10%                       |
| Q2   | 20970480 | TR-SLPSWA KTA1504Y P -50V -150MI0A      |
| R1   | 50886630 | RMGCFMIN 100K0 OHM +5% 100MI0W          |
| R101 | 55126660 | FBEAD SURFACE MT 600OHM FCM2012V-601T05 |
| R105 | 11066390 | RMGCFMIN 75R0 OHM +5% 100MI0W           |
| R107 | 11066440 | RMGCFMIN 3K3 OHM +5% 100MI0W            |
| R107 | 30944310 | RMGCFMIN 4K7 OHM +5% 100MI0W            |
| R108 | 11066440 | RMGCFMIN 3K3 OHM +5% 100MI0W            |
| R108 | 30944310 | RMGCFMIN 4K7 OHM +5% 100MI0W            |

| Pos  | Tocom#   | SName                          |
|------|----------|--------------------------------|
| R11  | 11066440 | RMGCFMIN 3K3 OHM +5% 100MIOW   |
| R11  | 30944310 | RMGCFMIN 4K7 OHM +5% 100MIOW   |
| R110 | 20471970 | RMGCFMIN 2K4 OHM +5% 100MIOW   |
| R111 | 20471950 | RMGCFMIN 1K0 OHM +5% 100MIOW   |
| R113 | 50886610 | RMGCFMIN 10K0 OHM +5% 100MIOW  |
| R114 | 50886610 | RMGCFMIN 10K0 OHM +5% 100MIOW  |
| R116 | 50886610 | RMGCFMIN 10K0 OHM +5% 100MIOW  |
| R117 | 50886610 | RMGCFMIN 10K0 OHM +5% 100MIOW  |
| R118 | 50886610 | RMGCFMIN 10K0 OHM +5% 100MIOW  |
| R12  | 90574400 | RMGCFMIN 470R0 OHM +5% 100MIOW |
| R125 | 70434200 | RMGCFMIN 100R0 OHM +5% 100MIOW |
| R127 | 30944250 | RMGCFMIN 10R0 OHM +5% 100MIOW  |
| R13  | 20471960 | RMGCFMIN 1K8 OHM +5% 100MIOW   |
| R14  | 70434220 | RMGCFMIN 820R0 OHM +5% 100MIOW |
| R140 | 70434220 | RMGCFMIN 820R0 OHM +5% 100MIOW |
| R141 | 50886630 | RMGCFMIN 100K0 OHM +5% 100MIOW |
| R142 | 20471950 | RMGCFMIN 1K0 OHM +5% 100MIOW   |
| R15  | 20471990 | RMGCFMIN 12K0 OHM +5% 100MIOW  |
| R150 | 50886630 | RMGCFMIN 100K0 OHM +5% 100MIOW |
| R151 | 20471950 | RMGCFMIN 1K0 OHM +5% 100MIOW   |
| R152 | 50886630 | RMGCFMIN 100K0 OHM +5% 100MIOW |
| R153 | 20471950 | RMGCFMIN 1K0 OHM +5% 100MIOW   |
| R154 | 50886630 | RMGCFMIN 100K0 OHM +5% 100MIOW |
| R155 | 20471950 | RMGCFMIN 1K0 OHM +5% 100MIOW   |
| R156 | 50886630 | RMGCFMIN 100K0 OHM +5% 100MIOW |
| R157 | 20471950 | RMGCFMIN 1K0 OHM +5% 100MIOW   |
| R158 | 20471990 | RMGCFMIN 12K0 OHM +5% 100MIOW  |
| R159 | 20471990 | RMGCFMIN 12K0 OHM +5% 100MIOW  |
| R16  | 11066440 | RMGCFMIN 3K3 OHM +5% 100MIOW   |
| R16  | 30944310 | RMGCFMIN 4K7 OHM +5% 100MIOW   |
| R160 | 20471990 | RMGCFMIN 12K0 OHM +5% 100MIOW  |
| R161 | 20471990 | RMGCFMIN 12K0 OHM +5% 100MIOW  |
| R162 | 70434200 | RMGCFMIN 100R0 OHM +5% 100MIOW |
| R164 | 20471990 | RMGCFMIN 12K0 OHM +5% 100MIOW  |
| R17  | 50886610 | RMGCFMIN 10K0 OHM +5% 100MIOW  |
| R18  | 80440420 | RMGCFMIN 33K0 OHM +5% 100MIOW  |
| R188 | 30944330 | RMGCFMIN 20K0 OHM +5% 100MIOW  |
| R19  | 30944310 | RMGCFMIN 4K7 OHM +5% 100MIOW   |
| R190 | 50886610 | RMGCFMIN 10K0 OHM +5% 100MIOW  |
| R193 | 20471990 | RMGCFMIN 12K0 OHM +5% 100MIOW  |
| R194 | 90574400 | RMGCFMIN 470R0 OHM +5% 100MIOW |
| R195 | 70434200 | RMGCFMIN 100R0 OHM +5% 100MIOW |
| R2   | 20471990 | RMGCFMIN 12K0 OHM +5% 100MIOW  |
| R20  | 50886630 | RMGCFMIN 100K0 OHM +5% 100MIOW |
| R21  | 20471950 | RMGCFMIN 1K0 OHM +5% 100MIOW   |
| R22  | 50886630 | RMGCFMIN 100K0 OHM +5% 100MIOW |
| R23  | 70434250 | RMGCFMIN 15K0 OHM +5% 100MIOW  |
| R24  | 90574400 | RMGCFMIN 470R0 OHM +5% 100MIOW |
| R25  | 90574400 | RMGCFMIN 470R0 OHM +5% 100MIOW |
| R26  | 20471960 | RMGCFMIN 1K8 OHM +5% 100MIOW   |
| R27  | 70434220 | RMGCFMIN 820R0 OHM +5% 100MIOW |
| R28  | 50886630 | RMGCFMIN 100K0 OHM +5% 100MIOW |
| R29  | 40438300 | RMGCFMIN 6K8 OHM +5% 100MIOW   |
| R3   | 70434250 | RMGCFMIN 15K0 OHM +5% 100MIOW  |
| R30  | 90574400 | RMGCFMIN 470R0 OHM +5% 100MIOW |
| R31  | 30944310 | RMGCFMIN 4K7 OHM +5% 100MIOW   |
| R32  | 90574400 | RMGCFMIN 470R0 OHM +5% 100MIOW |
| R33  | 20471970 | RMGCFMIN 2K4 OHM +5% 100MIOW   |

| Pos  | Tocom#   | SName                                   |
|------|----------|-----------------------------------------|
| R34  | 70434220 | RMGCFMIN 820R0 OHM +5% 100MIOW          |
| R35  | 50886630 | RMGCFMIN 100K0 OHM +5% 100MIOW          |
| R37  | 90574400 | RMGCFMIN 470R0 OHM +5% 100MIOW          |
| R38  | 20471970 | RMGCFMIN 2K4 OHM +5% 100MIOW            |
| R39  | 11066480 | RMGCFMIN 47K0 OHM +5% 100MIOW           |
| R4   | 20471990 | RMGCFMIN 12K0 OHM +5% 100MIOW           |
| R40  | 50886610 | RMGCFMIN 10K0 OHM +5% 100MIOW           |
| R41  | 20471950 | RMGCFMIN 1K0 OHM +5% 100MIOW            |
| R42  | 70434250 | RMGCFMIN 15K0 OHM +5% 100MIOW           |
| R43  | 50886610 | RMGCFMIN 10K0 OHM +5% 100MIOW           |
| R44  | 80440370 | RMGCFMIN 150R0 OHM +5% 100MIOW          |
| R45  | 80440370 | RMGCFMIN 150R0 OHM +5% 100MIOW          |
| R46  | 30944330 | RMGCFMIN 20K0 OHM +5% 100MIOW           |
| R47  | 11066480 | RMGCFMIN 47K0 OHM +5% 100MIOW           |
| R48  | 50886610 | RMGCFMIN 10K0 OHM +5% 100MIOW           |
| R49  | 50886610 | RMGCFMIN 10K0 OHM +5% 100MIOW           |
| R5   | 90574400 | RMGCFMIN 470R0 OHM +5% 100MIOW          |
| R50  | 50886610 | RMGCFMIN 10K0 OHM +5% 100MIOW           |
| R51  | 80440370 | RMGCFMIN 150R0 OHM +5% 100MIOW          |
| R52  | 80440370 | RMGCFMIN 150R0 OHM +5% 100MIOW          |
| R53  | 70434250 | RMGCFMIN 15K0 OHM +5% 100MIOW           |
| R54  | 50886610 | RMGCFMIN 10K0 OHM +5% 100MIOW           |
| R55  | 30944250 | RMGCFMIN 10R0 OHM +5% 100MIOW           |
| R56  | 80440390 | RMGCFMIN 2K2 OHM +5% 100MIOW            |
| R57  | 80440510 | RMGCFMIN 0 OHM +0% 100MIOW              |
| R58  | 90574400 | RMGCFMIN 470R0 OHM +5% 100MIOW          |
| R59  | 55126660 | FBEAD SURFACE MT 600OHM FCM2012V-601T05 |
| R6   | 11059340 | CCCFMIN 10N0F +10% -10% 50.0V X7R       |
| R6   | 70434200 | RMGCFMIN 100R0 OHM +5% 100MIOW          |
| R61  | 50886630 | RMGCFMIN 100K0 OHM +5% 100MIOW          |
| R62  | 20471990 | RMGCFMIN 12K0 OHM +5% 100MIOW           |
| R63  | 90574400 | RMGCFMIN 470R0 OHM +5% 100MIOW          |
| R64  | 90574400 | RMGCFMIN 470R0 OHM +5% 100MIOW          |
| R65  | 50886610 | RMGCFMIN 10K0 OHM +5% 100MIOW           |
| R67  | 11066480 | RMGCFMIN 47K0 OHM +5% 100MIOW           |
| R68  | 11066480 | RMGCFMIN 47K0 OHM +5% 100MIOW           |
| R69  | 20471970 | RMGCFMIN 2K4 OHM +5% 100MIOW            |
| R7   | 40438300 | RMGCFMIN 6K8 OHM +5% 100MIOW            |
| R70  | 70434220 | RMGCFMIN 820R0 OHM +5% 100MIOW          |
| R71  | 50886630 | RMGCFMIN 100K0 OHM +5% 100MIOW          |
| R72  | 20471990 | RMGCFMIN 12K0 OHM +5% 100MIOW           |
| R73  | 20471930 | RMGCFMIN 510R0 OHM +5% 100MIOW          |
| R74  | 80440390 | RMGCFMIN 2K2 OHM +5% 100MIOW            |
| R77  | 90574400 | RMGCFMIN 470R0 OHM +5% 100MIOW          |
| R79  | 90574400 | RMGCFMIN 470R0 OHM +5% 100MIOW          |
| R8   | 70434250 | RMGCFMIN 15K0 OHM +5% 100MIOW           |
| R89  | 11059340 | CCCFMIN 10N0F +10% -10% 50.0V X7R       |
| R89  | 70434200 | RMGCFMIN 100R0 OHM +5% 100MIOW          |
| C1   | 15002130 | CE 10U0F +20% 16.0V 85C                 |
| C119 | 15002130 | CE 10U0F +20% 16.0V 85C                 |
| C153 | 15002130 | CE 10U0F +20% 16.0V 85C                 |
| C161 | 15002130 | CE 10U0F +20% 16.0V 85C                 |
| C166 | 15002130 | CE 10U0F +20% 16.0V 85C                 |
| C17  | 15002130 | CE 10U0F +20% 16.0V 85C                 |
| C171 | 15002130 | CE 10U0F +20% 16.0V 85C                 |
| C177 | 15002130 | CE 10U0F +20% 16.0V 85C                 |
| C18  | 15002130 | CE 10U0F +20% 16.0V 85C                 |
| C202 | 15002130 | CE 10U0F +20% 16.0V 85C                 |

| Pos  | Tocom#   | SName                                    |
|------|----------|------------------------------------------|
| C21  | 20268850 | CE 2U2F +20% 50.0V 85C                   |
| C211 | 15001920 | CE 100U0F +20% 16.0V 85C                 |
| C212 | 15001920 | CE 100U0F +20% 16.0V 85C                 |
| C24  | 20267830 | CE 47U0F +20% 16.0V 85C                  |
| C27  | 20267830 | CE 47U0F +20% 16.0V 85C                  |
| C31  | 15002130 | CE 10U0F +20% 16.0V 85C                  |
| C32  | 15002130 | CE 10U0F +20% 16.0V 85C                  |
| C33  | 20268950 | CE 100N0F +20% 50.0V 85C                 |
| C40  | 20267830 | CE 47U0F +20% 16.0V 85C                  |
| C46  | 15002130 | CE 10U0F +20% 16.0V 85C                  |
| C50  | 20268840 | CE 1U0F +20% 50.0V 85C                   |
| C53  | 15002130 | CE 10U0F +20% 16.0V 85C                  |
| C55  | 15002130 | CE 10U0F +20% 16.0V 85C                  |
| C56  | 20268840 | CE 1U0F +20% 50.0V 85C                   |
| C62  | 15002130 | CE 10U0F +20% 16.0V 85C                  |
| C68  | 15002130 | CE 10U0F +20% 16.0V 85C                  |
| C69  | 20251830 | CE 1U0F +20% 50.0V 85C                   |
| C71  | 20268840 | CE 1U0F +20% 50.0V 85C                   |
| BD1  | 55126690 | FBEAD SURFACE MT 2500OHM FCM2012H-252T02 |
| BD11 | 55126690 | FBEAD SURFACE MT 2500OHM FCM2012H-252T02 |
| BD12 | 55126690 | FBEAD SURFACE MT 2500OHM FCM2012H-252T02 |
| BD13 | 55126690 | FBEAD SURFACE MT 2500OHM FCM2012H-252T02 |
| BD15 | 55126690 | FBEAD SURFACE MT 2500OHM FCM2012H-252T02 |
| BD2  | 55126690 | FBEAD SURFACE MT 2500OHM FCM2012H-252T02 |
| BD21 | 55126690 | FBEAD SURFACE MT 2500OHM FCM2012H-252T02 |
| BD3  | 55126690 | FBEAD SURFACE MT 2500OHM FCM2012H-252T02 |
| BD33 | 55126690 | FBEAD SURFACE MT 2500OHM FCM2012H-252T02 |
| BD36 | 55126690 | FBEAD SURFACE MT 2500OHM FCM2012H-252T02 |
| BD6  | 55126690 | FBEAD SURFACE MT 2500OHM FCM2012H-252T02 |
| BD7  | 55126690 | FBEAD SURFACE MT 2500OHM FCM2012H-252T02 |
| C105 | 20267290 | CCCFMIN 100N0F +80% -20% 50.0V Y5V       |
| C137 | 20267290 | CCCFMIN 100N0F +80% -20% 50.0V Y5V       |
| C151 | 20267290 | CCCFMIN 100N0F +80% -20% 50.0V Y5V       |
| C16  | 20267290 | CCCFMIN 100N0F +80% -20% 50.0V Y5V       |
| C179 | 20267290 | CCCFMIN 100N0F +80% -20% 50.0V Y5V       |
| C181 | 20267290 | CCCFMIN 100N0F +80% -20% 50.0V Y5V       |
| C19  | 20267290 | CCCFMIN 100N0F +80% -20% 50.0V Y5V       |
| C20  | 20267290 | CCCFMIN 100N0F +80% -20% 50.0V Y5V       |
| C206 | 20267290 | CCCFMIN 100N0F +80% -20% 50.0V Y5V       |
| C25  | 20267290 | CCCFMIN 100N0F +80% -20% 50.0V Y5V       |
| C28  | 20267290 | CCCFMIN 100N0F +80% -20% 50.0V Y5V       |
| C30  | 20267290 | CCCFMIN 100N0F +80% -20% 50.0V Y5V       |
| C34  | 11059330 | CCCFMIN 2N2F +10% -10% 50.0V X7R         |
| C34  | 20267320 | CCCFMIN 220N0F +80% -20% 50.0V Y5V       |
| C34  | 20469340 | CCCFMIN 4N7F +10% -10% 50.0V X7R         |
| C37  | 20267290 | CCCFMIN 100N0F +80% -20% 50.0V Y5V       |
| C41  | 20267290 | CCCFMIN 100N0F +80% -20% 50.0V Y5V       |
| C42  | 20267290 | CCCFMIN 100N0F +80% -20% 50.0V Y5V       |
| C43  | 20267290 | CCCFMIN 100N0F +80% -20% 50.0V Y5V       |
| C49  | 20267290 | CCCFMIN 100N0F +80% -20% 50.0V Y5V       |
| C57  | 20267290 | CCCFMIN 100N0F +80% -20% 50.0V Y5V       |
| C6   | 20267290 | CCCFMIN 100N0F +80% -20% 50.0V Y5V       |
| C66  | 20267290 | CCCFMIN 100N0F +80% -20% 50.0V Y5V       |
| C67  | 20267290 | CCCFMIN 100N0F +80% -20% 50.0V Y5V       |
| C70  | 20267290 | CCCFMIN 100N0F +80% -20% 50.0V Y5V       |
| C73  | 20267290 | CCCFMIN 100N0F +80% -20% 50.0V Y5V       |
| C75  | 40435180 | CCCFMIN 47P0F +5% -5% 50.0V NP0          |
| C76  | 30938730 | CCCFMIN 220P0F +5% -5% 50.0V NP0         |

| Pos   | Tocom#   | SName                                              |
|-------|----------|----------------------------------------------------|
| C77   | 20468970 | CCCFMIN 330P0F +5% -5% 50.0V NP0                   |
| C81   | 11059440 | CCCFMIN 10P0F +0P25F -0P25F 50.0V NP0              |
| C82   | 11059440 | CCCFMIN 10P0F +0P25F -0P25F 50.0V NP0              |
| C83   | 11059440 | CCCFMIN 10P0F +0P25F -0P25F 50.0V NP0              |
| C84   | 11059440 | CCCFMIN 10P0F +0P25F -0P25F 50.0V NP0              |
| C85   | 11059440 | CCCFMIN 10P0F +0P25F -0P25F 50.0V NP0              |
| C86   | 11059440 | CCCFMIN 10P0F +0P25F -0P25F 50.0V NP0              |
| C87   | 11059440 | CCCFMIN 10P0F +0P25F -0P25F 50.0V NP0              |
| C88   | 11059440 | CCCFMIN 10P0F +0P25F -0P25F 50.0V NP0              |
| C99   | 20267290 | CCCFMIN 100N0F +80% -20% 50.0V Y5V                 |
| IC10  | 55229970 | IC-LOGIC MM74HC151M SOIC16 MULTIPLEXER CMOS        |
| IC2   | 55170220 | IC-LOGIC F/F 74VHC574MX FLIP/FLOP HCMOS            |
| IC3   | 55170220 | IC-LOGIC F/F 74VHC574MX FLIP/FLOP HCMOS            |
| L4    | 55185090 | LF-SMD 33U0H +10%                                  |
| L5    | 55185090 | LF-SMD 33U0H +10%                                  |
| R10   | 15112590 | RMGCFMIN 3R3 OHM +5% 100MI0W                       |
| R36   | 50886600 | RMGCFMIN 5K1 OHM +5% 100MI0W                       |
| R36   | 70434230 | RMGCFMIN 1K2 OHM +5% 100MI0W                       |
| R36   | 90574380 | RMGCFMIN 200R0 OHM +5% 100MI0W                     |
| R60   | 55126660 | FBEAD SURFACE MT 600OHM FCM2012V-601T05            |
| R60   | 55126660 | FBEAD SURFACE MT 600OHM FCM2012V-601T05            |
| R66   | 11066460 | RMGCFMIN 8K2 OHM +5% 100MI0W                       |
| R81   | 50886610 | RMGCFMIN 10K0 OHM +5% 100MI0W                      |
| R82   | 50886610 | RMGCFMIN 10K0 OHM +5% 100MI0W                      |
| R83   | 50886610 | RMGCFMIN 10K0 OHM +5% 100MI0W                      |
| R84   | 50886610 | RMGCFMIN 10K0 OHM +5% 100MI0W                      |
| R85   | 50886610 | RMGCFMIN 10K0 OHM +5% 100MI0W                      |
| R86   | 50886610 | RMGCFMIN 10K0 OHM +5% 100MI0W                      |
| R87   | 50886610 | RMGCFMIN 10K0 OHM +5% 100MI0W                      |
| R88   | 50886610 | RMGCFMIN 10K0 OHM +5% 100MI0W                      |
| R9    | 15112590 | RMGCFMIN 3R3 OHM +5% 100MI0W                       |
| C12   | 20269180 | CE 1MI0F +20% 6.3V 85C                             |
| C13   | 20269180 | CE 1MI0F +20% 6.3V 85C                             |
| C15   | 20269180 | CE 1MI0F +20% 6.3V 85C                             |
| C33   | 20268870 | CE 4U7F +20% 50.0V 85C                             |
| C33   | 20268950 | CE 100N0F +20% 50.0V 85C                           |
| C33   | 55130270 | CPF 82N0F +5% 100.0V                               |
| CP1   | 55124760 | CONN 1.25MM 19 FE R BK 00-8370-197-000-800 2794 A6 |
| CP401 | 55125060 | CONN 2.0MM 14 MA R NAT MOLEX 35237-1410 0 0        |
| CP402 | 55125030 | CONN 2.0MM 11 MA R NAT MOLEX 35237-1110 0 0        |
| JAC1  | 55125430 | D-LEM TORX178B RD RND CL                           |
| JAC2  | 55246370 | CON PHONO SCKT RCA 1P W/GND JE010003LN OG          |
| JAC3  | 55246370 | CON PHONO SCKT RCA 1P W/GND JE010003LN OG          |
| T1    | 55176540 | TFPULSE TRANSFORMER 110UH FP-110 FERRIT MAGNET     |
| Y1    | 55348350 | VCXO 12M288 HZ +50 PPM -50 PPM 0 OHM 3.3V          |

| Pos   | Tocom#   | SName                                               |
|-------|----------|-----------------------------------------------------|
| C1    | 20267830 | CE 47U0F +20% 16.0V 85C                             |
| C204  | 20269010 | CE 47U0F +20% 50.0V 85C                             |
| C210  | 20268880 | CE 10U0F +20% 50.0V 85C                             |
| C214  | 20267830 | CE 47U0F +20% 16.0V 85C                             |
| C215  | 20267830 | CE 47U0F +20% 16.0V 85C                             |
| C219  | 20269010 | CE 47U0F +20% 50.0V 85C                             |
| C220  | 20268880 | CE 10U0F +20% 50.0V 85C                             |
| C234  | 20268950 | CE 100N0F +20% 50.0V 85C                            |
| C235  | 10364820 | CPF 47N0F +10% 100.0V                               |
| C236  | 10364820 | CPF 47N0F +10% 100.0V                               |
| C246  | 20268880 | CE 10U0F +20% 50.0V 85C                             |
| C247  | 20268880 | CE 10U0F +20% 50.0V 85C                             |
| C248  | 20268880 | CE 10U0F +20% 50.0V 85C                             |
| C5    | 20267830 | CE 47U0F +20% 16.0V 85C                             |
| C6    | 20267830 | CE 47U0F +20% 16.0V 85C                             |
| Q222  | 55133210 | TR-SLPLF DTC114YSA N 100MI0A                        |
| Q223  | 55133210 | TR-SLPLF DTC114YSA N 100MI0A                        |
| Q224  | 55133210 | TR-SLPLF DTC114YSA N 100MI0A                        |
| Q225  | 55133210 | TR-SLPLF DTC114YSA N 100MI0A                        |
| Q227  | 55142670 | TR-SLPLF MPSA06 N 500MI0A                           |
| SW401 | 55145270 | SWITACT VERTICAL TACTILE F/B 50MI0A 12.0V 500MI0OHM |
| SW402 | 55145270 | SWITACT VERTICAL TACTILE F/B 50MI0A 12.0V 500MI0OHM |
| SW403 | 55145270 | SWITACT VERTICAL TACTILE F/B 50MI0A 12.0V 500MI0OHM |
| SW404 | 55145270 | SWITACT VERTICAL TACTILE F/B 50MI0A 12.0V 500MI0OHM |
| SW405 | 55145270 | SWITACT VERTICAL TACTILE F/B 50MI0A 12.0V 500MI0OHM |
| SW406 | 55145270 | SWITACT VERTICAL TACTILE F/B 50MI0A 12.0V 500MI0OHM |
| SW407 | 55145270 | SWITACT VERTICAL TACTILE F/B 50MI0A 12.0V 500MI0OHM |
| SW408 | 55145270 | SWITACT VERTICAL TACTILE F/B 50MI0A 12.0V 500MI0OHM |
| SW409 | 55145270 | SWITACT VERTICAL TACTILE F/B 50MI0A 12.0V 500MI0OHM |
| SW410 | 55145270 | SWITACT VERTICAL TACTILE F/B 50MI0A 12.0V 500MI0OHM |
| SW411 | 55145270 | SWITACT VERTICAL TACTILE F/B 50MI0A 12.0V 500MI0OHM |
| SW412 | 55145270 | SWITACT VERTICAL TACTILE F/B 50MI0A 12.0V 500MI0OHM |
| SW413 | 55145270 | SWITACT VERTICAL TACTILE F/B 50MI0A 12.0V 500MI0OHM |
| SW414 | 55145270 | SWITACT VERTICAL TACTILE F/B 50MI0A 12.0V 500MI0OHM |
| SW415 | 55145270 | SWITACT VERTICAL TACTILE F/B 50MI0A 12.0V 500MI0OHM |
| SW416 | 55145270 | SWITACT VERTICAL TACTILE F/B 50MI0A 12.0V 500MI0OHM |
| SW417 | 55145270 | SWITACT VERTICAL TACTILE F/B 50MI0A 12.0V 500MI0OHM |
| SW418 | 55145270 | SWITACT VERTICAL TACTILE F/B 50MI0A 12.0V 500MI0OHM |
| SW419 | 55145270 | SWITACT VERTICAL TACTILE F/B 50MI0A 12.0V 500MI0OHM |
| SW420 | 55145270 | SWITACT VERTICAL TACTILE F/B 50MI0A 12.0V 500MI0OHM |
| BD305 | 55126650 | FBEAD SURFACE MT 300OHM FCM2012V-301T07             |
| BD306 | 55126650 | FBEAD SURFACE MT 300OHM FCM2012V-301T07             |
| C1    | 20267290 | CCCFMIN 100N0F +80% -20% 50.0V Y5V                  |
| C2    | 20267290 | CCCFMIN 100N0F +80% -20% 50.0V Y5V                  |
| C201  | 15070900 | CCCFMIN 820P0F +10% -10% 50.0V NP0                  |
| C205  | 20267290 | CCCFMIN 100N0F +80% -20% 50.0V Y5V                  |
| C209  | 20267290 | CCCFMIN 100N0F +80% -20% 50.0V Y5V                  |
| C211  | 15070900 | CCCFMIN 820P0F +10% -10% 50.0V NP0                  |
| C212  | 15070900 | CCCFMIN 820P0F +10% -10% 50.0V NP0                  |
| C213  | 20267290 | CCCFMIN 100N0F +80% -20% 50.0V Y5V                  |
| C217  | 20267290 | CCCFMIN 100N0F +80% -20% 50.0V Y5V                  |
| C218  | 20267290 | CCCFMIN 100N0F +80% -20% 50.0V Y5V                  |
| C228  | 11058670 | CCCFMIN 100P0F +5% -5% 50.0V NP0                    |
| C229  | 11058670 | CCCFMIN 100P0F +5% -5% 50.0V NP0                    |
| C230  | 11058670 | CCCFMIN 100P0F +5% -5% 50.0V NP0                    |
| C237  | 20267290 | CCCFMIN 100N0F +80% -20% 50.0V Y5V                  |
| C238  | 20267290 | CCCFMIN 100N0F +80% -20% 50.0V Y5V                  |
| C242  | 80440510 | RMGCFMIN 0 OHM +0% 100MI0W                          |

| Pos   | Tocom#   | SName                                 |
|-------|----------|---------------------------------------|
| C244  | 80440510 | RMGCFMIN 0 OHM +0% 100MIOW            |
| C245  | 20267290 | CCCFMIN 100N0F +80% -20% 50.0V Y5V    |
| C3    | 20267290 | CCCFMIN 100N0F +80% -20% 50.0V Y5V    |
| C4    | 20267290 | CCCFMIN 100N0F +80% -20% 50.0V Y5V    |
| C401  | 30939240 | CCCFMIN 22N0F +10% -10% 50.0V X7R     |
| C402  | 30939240 | CCCFMIN 22N0F +10% -10% 50.0V X7R     |
| C616  | 20267290 | CCCFMIN 100N0F +80% -20% 50.0V Y5V    |
| C617  | 11058710 | CCCFMIN 560P0F +5% -5% 50.0V NP0      |
| C618  | 11058710 | CCCFMIN 560P0F +5% -5% 50.0V NP0      |
| C7    | 20267290 | CCCFMIN 100N0F +80% -20% 50.0V Y5V    |
| CL211 | 11058670 | CCCFMIN 100P0F +5% -5% 50.0V NP0      |
| CR211 | 11058670 | CCCFMIN 100P0F +5% -5% 50.0V NP0      |
| D1    | 20496510 | D-SLP 1SS355 35.0V 225MIOA            |
| D2    | 20496510 | D-SLP 1SS355 35.0V 225MIOA            |
| D249  | 20496510 | D-SLP 1SS355 35.0V 225MIOA            |
| D253  | 20496510 | D-SLP 1SS355 35.0V 225MIOA            |
| D254  | 20496510 | D-SLP 1SS355 35.0V 225MIOA            |
| D255  | 20496510 | D-SLP 1SS355 35.0V 225MIOA            |
| D261  | 80440510 | RMGCFMIN 0 OHM +0% 100MIOW            |
| D262  | 80440510 | RMGCFMIN 0 OHM +0% 100MIOW            |
| D263  | 80440510 | RMGCFMIN 0 OHM +0% 100MIOW            |
| D264  | 80440510 | RMGCFMIN 0 OHM +0% 100MIOW            |
| D4    | 20496510 | D-SLP 1SS355 35.0V 225MIOA            |
| D5    | 20496510 | D-SLP 1SS355 35.0V 225MIOA            |
| IC1   | 20718660 | IC-LOGIC BU4094BF SHIFT REGISTER CMOS |
| IC201 | 55336450 | IC-MICROCONT CXP82860-355Q AVR1500    |
| IC4   | 20718660 | IC-LOGIC BU4094BF SHIFT REGISTER CMOS |
| IC5   | 20718660 | IC-LOGIC BU4094BF SHIFT REGISTER CMOS |
| J201  | 80440510 | RMGCFMIN 0 OHM +0% 100MIOW            |
| J307  | 80440510 | RMGCFMIN 0 OHM +0% 100MIOW            |
| J308  | 80440510 | RMGCFMIN 0 OHM +0% 100MIOW            |
| Q236  | 55133190 | TR-SSD DTA114YKA P 10K0 OHM 47K0 OHM  |
| Q237  | 55133180 | TR-SSD DTC114YKA N 10K0 OHM 47K0 OHM  |
| Q401  | 55133180 | TR-SSD DTC114YKA N 10K0 OHM 47K0 OHM  |
| R1    | 90574440 | RMGCFMIN 56K0 OHM +5% 100MIOW         |
| R10   | 20471950 | RMGCFMIN 1K0 OHM +5% 100MIOW          |
| R11   | 20471950 | RMGCFMIN 1K0 OHM +5% 100MIOW          |
| R12   | 20471950 | RMGCFMIN 1K0 OHM +5% 100MIOW          |
| R13   | 20471950 | RMGCFMIN 1K0 OHM +5% 100MIOW          |
| R14   | 20471950 | RMGCFMIN 1K0 OHM +5% 100MIOW          |
| R15   | 20471950 | RMGCFMIN 1K0 OHM +5% 100MIOW          |
| R16   | 70434200 | RMGCFMIN 100R0 OHM +5% 100MIOW        |
| R2    | 20471950 | RMGCFMIN 1K0 OHM +5% 100MIOW          |
| R201  | 50886610 | RMGCFMIN 10K0 OHM +5% 100MIOW         |
| R202  | 50886610 | RMGCFMIN 10K0 OHM +5% 100MIOW         |
| R203  | 50886610 | RMGCFMIN 10K0 OHM +5% 100MIOW         |
| R204  | 20471950 | RMGCFMIN 1K0 OHM +5% 100MIOW          |
| R205  | 20471950 | RMGCFMIN 1K0 OHM +5% 100MIOW          |
| R206  | 50886610 | RMGCFMIN 10K0 OHM +5% 100MIOW         |
| R207  | 50886610 | RMGCFMIN 10K0 OHM +5% 100MIOW         |
| R208  | 50886610 | RMGCFMIN 10K0 OHM +5% 100MIOW         |
| R209  | 50886610 | RMGCFMIN 10K0 OHM +5% 100MIOW         |
| R210  | 50886610 | RMGCFMIN 10K0 OHM +5% 100MIOW         |
| R211  | 50886610 | RMGCFMIN 10K0 OHM +5% 100MIOW         |
| R212  | 50886610 | RMGCFMIN 10K0 OHM +5% 100MIOW         |
| R213  | 50886610 | RMGCFMIN 10K0 OHM +5% 100MIOW         |
| R214  | 20471950 | RMGCFMIN 1K0 OHM +5% 100MIOW          |
| R215  | 20471950 | RMGCFMIN 1K0 OHM +5% 100MIOW          |

| Pos  | Tocom#   | SName                          |
|------|----------|--------------------------------|
| R216 | 30944310 | RMGCFMIN 4K7 OHM +5% 100MIOW   |
| R217 | 30944310 | RMGCFMIN 4K7 OHM +5% 100MIOW   |
| R218 | 50886610 | RMGCFMIN 10K0 OHM +5% 100MIOW  |
| R219 | 50886630 | RMGCFMIN 100K0 OHM +5% 100MIOW |
| R220 | 20471950 | RMGCFMIN 1K0 OHM +5% 100MIOW   |
| R221 | 50886610 | RMGCFMIN 10K0 OHM +5% 100MIOW  |
| R222 | 50886610 | RMGCFMIN 10K0 OHM +5% 100MIOW  |
| R223 | 90574370 | RMGCFMIN 82R0 OHM +5% 100MIOW  |
| R224 | 90574370 | RMGCFMIN 82R0 OHM +5% 100MIOW  |
| R225 | 90574370 | RMGCFMIN 82R0 OHM +5% 100MIOW  |
| R276 | 70434200 | RMGCFMIN 100R0 OHM +5% 100MIOW |
| R277 | 10355190 | RMGCFMIN 2R2 OHM +5% 100MIOW   |
| R278 | 10355190 | RMGCFMIN 2R2 OHM +5% 100MIOW   |
| R279 | 50886610 | RMGCFMIN 10K0 OHM +5% 100MIOW  |
| R280 | 50886610 | RMGCFMIN 10K0 OHM +5% 100MIOW  |
| R281 | 50886610 | RMGCFMIN 10K0 OHM +5% 100MIOW  |
| R283 | 50886610 | RMGCFMIN 10K0 OHM +5% 100MIOW  |
| R284 | 30944310 | RMGCFMIN 4K7 OHM +5% 100MIOW   |
| R285 | 30944310 | RMGCFMIN 4K7 OHM +5% 100MIOW   |
| R286 | 50886610 | RMGCFMIN 10K0 OHM +5% 100MIOW  |
| R287 | 11066500 | RMGCFMIN 68K0 OHM +5% 100MIOW  |
| R288 | 11066500 | RMGCFMIN 68K0 OHM +5% 100MIOW  |
| R289 | 11066480 | RMGCFMIN 47K0 OHM +5% 100MIOW  |
| R290 | 30944310 | RMGCFMIN 4K7 OHM +5% 100MIOW   |
| R291 | 70434200 | RMGCFMIN 100R0 OHM +5% 100MIOW |
| R292 | 50886630 | RMGCFMIN 100K0 OHM +5% 100MIOW |
| R293 | 11066460 | RMGCFMIN 8K2 OHM +5% 100MIOW   |
| R294 | 50886610 | RMGCFMIN 10K0 OHM +5% 100MIOW  |
| R3   | 20471950 | RMGCFMIN 1K0 OHM +5% 100MIOW   |
| R4   | 20471950 | RMGCFMIN 1K0 OHM +5% 100MIOW   |
| R401 | 50886610 | RMGCFMIN 10K0 OHM +5% 100MIOW  |
| R402 | 20471950 | RMGCFMIN 1K0 OHM +5% 100MIOW   |
| R403 | 70434230 | RMGCFMIN 1K2 OHM +5% 100MIOW   |
| R404 | 40438290 | RMGCFMIN 1K5 OHM +5% 100MIOW   |
| R405 | 80440390 | RMGCFMIN 2K2 OHM +5% 100MIOW   |
| R406 | 50886590 | RMGCFMIN 2K7 OHM +5% 100MIOW   |
| R407 | 11066440 | RMGCFMIN 3K3 OHM +5% 100MIOW   |
| R408 | 80440400 | RMGCFMIN 5K6 OHM +5% 100MIOW   |
| R409 | 11066460 | RMGCFMIN 8K2 OHM +5% 100MIOW   |
| R410 | 90574430 | RMGCFMIN 18K0 OHM +5% 100MIOW  |
| R411 | 50886610 | RMGCFMIN 10K0 OHM +5% 100MIOW  |
| R412 | 20471950 | RMGCFMIN 1K0 OHM +5% 100MIOW   |
| R413 | 70434230 | RMGCFMIN 1K2 OHM +5% 100MIOW   |
| R414 | 40438290 | RMGCFMIN 1K5 OHM +5% 100MIOW   |
| R415 | 80440390 | RMGCFMIN 2K2 OHM +5% 100MIOW   |
| R416 | 50886590 | RMGCFMIN 2K7 OHM +5% 100MIOW   |
| R417 | 11066440 | RMGCFMIN 3K3 OHM +5% 100MIOW   |
| R418 | 80440400 | RMGCFMIN 5K6 OHM +5% 100MIOW   |
| R419 | 11066460 | RMGCFMIN 8K2 OHM +5% 100MIOW   |
| R420 | 90574430 | RMGCFMIN 18K0 OHM +5% 100MIOW  |
| R421 | 50886540 | RMGCFMIN 330R0 OHM +5% 100MIOW |
| R422 | 50886540 | RMGCFMIN 330R0 OHM +5% 100MIOW |
| R423 | 20471950 | RMGCFMIN 1K0 OHM +5% 100MIOW   |
| R424 | 20471950 | RMGCFMIN 1K0 OHM +5% 100MIOW   |
| R5   | 20471950 | RMGCFMIN 1K0 OHM +5% 100MIOW   |
| R6   | 70434200 | RMGCFMIN 100R0 OHM +5% 100MIOW |
| R610 | 70434250 | RMGCFMIN 15K0 OHM +5% 100MIOW  |
| R611 | 70434250 | RMGCFMIN 15K0 OHM +5% 100MIOW  |

| Pos    | Tocom#   | SName                                               |
|--------|----------|-----------------------------------------------------|
| R612   | 11066480 | RMGCFMIN 47K0 OHM +5% 100MI0W                       |
| R613   | 70434250 | RMGCFMIN 15K0 OHM +5% 100MI0W                       |
| R7     | 70434200 | RMGCFMIN 100R0 OHM +5% 100MI0W                      |
| R8     | 20471950 | RMGCFMIN 1K0 OHM +5% 100MI0W                        |
| R9     | 20471950 | RMGCFMIN 1K0 OHM +5% 100MI0W                        |
| C216   | 55134340 | CM 47MI0F +80% -20% 5.5V 70C                        |
| CN201  | 55236740 | WIRECONASY UNIQUE 7P 400MM UL2468 RIBBON 26 1       |
| CN202  | 55129010 | CONN 1.25MM 19 FE ST BK 00-8370-191-000-800 2794 A6 |
| CN203  | 55192770 | CONN 1.25MM 29 FE ST BK 00-8370-291-000-800 2794 A6 |
| CN204  | 55158660 | WIRECONASY UNIQUE 4P 80MM UL1007 PVC DISCRETE 26    |
| CN205  | 55236750 | WIRECONASY UNIQUE 10P 480MM UL1533 SHIELD 26 1      |
| CN210  | 55158640 | WIRECONASY UNIQUE 2P 110MM UL1007 PVC DISCRETE 26   |
| CN403  | 55319130 | WIRECONASY UNIQUE 3P 500MM UL1007 PVC DISCRETE 26   |
| CN405  | 55125040 | CONN 2.0MM 12 MA R NAT MOLEX 35237-1210 0 0         |
| CP403  | 55078520 | CONN 2.0MM 2 MA R NAT LW2003P02 0 0                 |
| CP404  | 55123310 | CONN 2.0MM 4 MA ST NAT LW2002P04 0 0                |
| CP405  | 55124970 | CONN 2.0MM 12 MA ST NAT MOLEX 35336-1210 0 0        |
| D401   | 55179330 | D-LEM RED/GREEN 5 RD RND CL                         |
| FINGER | 55178960 | AC SPRING PLATE SPRING GND C5212 0.2T AVR520        |
| FL201  | 55155740 | DISPLAY HNA-10MM22                                  |
| HP601  | 55088400 | CONN-PHJAC 6.35 ST HORZ EST-J6313 BK 0 0            |
| JA201  | 55113740 | CON PHONO SCKT RCA-307 3 PINS                       |
| JA202  | 55113960 | CON DIN SCKT SOCKET CONNECTOR SVHS EST-S408J        |
| L201   | 55179380 | LF 4U7H +10% 1.7 OHM 190.0A                         |
| L202   | 55179380 | LF 4U7H +10% 1.7 OHM 190.0A                         |
| R608   | 40440590 | RMOF 330R0 OHM +5% 2.0W                             |
| R609   | 40440590 | RMOF 330R0 OHM +5% 2.0W                             |
| RM201  | 55155930 | IC-REMOTE RPM6938-RSIP-A3 RECEIVER 38KHZ            |
| VR201  | 55134900 | SWIROT EC16B24204A5 5V 500U0A 10T 3P 0 0            |
| W301   | 55158710 | WIRECONASY UNIQUE 1P 150MM UL1007 PVC DISCRETE 22 1 |
| W401   | 55158710 | WIRECONASY UNIQUE 1P 150MM UL1007 PVC DISCRETE 22 1 |
| X201   | 55126140 | CRESONATOR 10M0 HZ 25.0 OHM 0F                      |

| Pos  | Tocom#   | SName                         |
|------|----------|-------------------------------|
| D123 | 20421210 | D-ZENER 1N5242B 12.0V 500MIOW |
| D400 | 20526990 | D-ZENER 1N5235B 6.8V 500MIOW  |
| D401 | 20526990 | D-ZENER 1N5235B 6.8V 500MIOW  |
| D402 | 70436540 | D-SLP 1N4148 100.0V 150E-3A   |
| D403 | 70436540 | D-SLP 1N4148 100.0V 150E-3A   |
| D404 | 70436540 | D-SLP 1N4148 100.0V 150E-3A   |
| D405 | 70436540 | D-SLP 1N4148 100.0V 150E-3A   |
| D406 | 70436540 | D-SLP 1N4148 100.0V 150E-3A   |
| D407 | 70436540 | D-SLP 1N4148 100.0V 150E-3A   |
| D408 | 70436540 | D-SLP 1N4148 100.0V 150E-3A   |
| D409 | 70436540 | D-SLP 1N4148 100.0V 150E-3A   |
| D410 | 70436540 | D-SLP 1N4148 100.0V 150E-3A   |
| D411 | 70436540 | D-SLP 1N4148 100.0V 150E-3A   |
| D412 | 70436540 | D-SLP 1N4148 100.0V 150E-3A   |
| D413 | 70436540 | D-SLP 1N4148 100.0V 150E-3A   |
| D414 | 70436540 | D-SLP 1N4148 100.0V 150E-3A   |
| D415 | 70436540 | D-SLP 1N4148 100.0V 150E-3A   |
| D416 | 70436540 | D-SLP 1N4148 100.0V 150E-3A   |
| D417 | 70436540 | D-SLP 1N4148 100.0V 150E-3A   |
| D418 | 20526960 | D-ZENER 1N5231B 5.1V 500MIOW  |
| R114 | 11059600 | RCF 120R0 OHM +5% 250MIOW     |
| R115 | 20469460 | RCF 2K2 OHM +5% 250MIOW       |
| R130 | 20469460 | RCF 2K2 OHM +5% 250MIOW       |
| R148 | 11059600 | RCF 120R0 OHM +5% 250MIOW     |
| R158 | 50882950 | RCF 100R0 OHM +5% 250MIOW     |
| R159 | 50882950 | RCF 100R0 OHM +5% 250MIOW     |
| R224 | 60441560 | RCF 560R0 OHM +5% 250MIOW     |
| R230 | 60441560 | RCF 560R0 OHM +5% 250MIOW     |
| R231 | 11059640 | RCF 1K0 OHM +5% 250MIOW       |
| R232 | 11059640 | RCF 1K0 OHM +5% 250MIOW       |
| R233 | 11059640 | RCF 1K0 OHM +5% 250MIOW       |
| R239 | 20469450 | RCF 220R0 OHM +5% 250MIOW     |
| R240 | 11059640 | RCF 1K0 OHM +5% 250MIOW       |
| R241 | 11059640 | RCF 1K0 OHM +5% 250MIOW       |
| R242 | 11059640 | RCF 1K0 OHM +5% 250MIOW       |
| R243 | 20469450 | RCF 220R0 OHM +5% 250MIOW     |
| R312 | 50882950 | RCF 100R0 OHM +5% 250MIOW     |
| R313 | 50882950 | RCF 100R0 OHM +5% 250MIOW     |
| R314 | 11059640 | RCF 1K0 OHM +5% 250MIOW       |
| R329 | 50882950 | RCF 100R0 OHM +5% 250MIOW     |
| R332 | 50882950 | RCF 100R0 OHM +5% 250MIOW     |
| R418 | 40435670 | RCF 47K0 OHM +5% 250MIOW      |
| R419 | 40435670 | RCF 47K0 OHM +5% 250MIOW      |
| R420 | 40435670 | RCF 47K0 OHM +5% 250MIOW      |
| R421 | 40435670 | RCF 47K0 OHM +5% 250MIOW      |
| R422 | 11059780 | RCF 1M0 OHM +5% 250MIOW       |
| R423 | 11059780 | RCF 1M0 OHM +5% 250MIOW       |
| R424 | 11059780 | RCF 1M0 OHM +5% 250MIOW       |
| R425 | 11059780 | RCF 1M0 OHM +5% 250MIOW       |
| R468 | 20469460 | RCF 2K2 OHM +5% 250MIOW       |
| R469 | 20469460 | RCF 2K2 OHM +5% 250MIOW       |
| R470 | 20469460 | RCF 2K2 OHM +5% 250MIOW       |
| R471 | 20469460 | RCF 2K2 OHM +5% 250MIOW       |
| R472 | 20469460 | RCF 2K2 OHM +5% 250MIOW       |
| R473 | 20469460 | RCF 2K2 OHM +5% 250MIOW       |
| R474 | 30939460 | RCF 750R0 OHM +5% 250MIOW     |
| R475 | 11059670 | RCF 2K7 OHM +5% 250MIOW       |
| R485 | 11059640 | RCF 1K0 OHM +5% 250MIOW       |

| Pos  | Tocom#   | SName                    |
|------|----------|--------------------------|
| R901 | 30939390 | RCF 39R0 OHM +5% 250MI0W |
| R902 | 30939390 | RCF 39R0 OHM +5% 250MI0W |
| R903 | 30939390 | RCF 39R0 OHM +5% 250MI0W |
| R904 | 30939390 | RCF 39R0 OHM +5% 250MI0W |
| R906 | 30939390 | RCF 39R0 OHM +5% 250MI0W |
| R907 | 30939390 | RCF 39R0 OHM +5% 250MI0W |
| R908 | 30939390 | RCF 39R0 OHM +5% 250MI0W |
| R909 | 30939390 | RCF 39R0 OHM +5% 250MI0W |
| R911 | 30939390 | RCF 39R0 OHM +5% 250MI0W |
| R912 | 30939390 | RCF 39R0 OHM +5% 250MI0W |
| R913 | 30939390 | RCF 39R0 OHM +5% 250MI0W |
| R914 | 30939390 | RCF 39R0 OHM +5% 250MI0W |
| R916 | 30939390 | RCF 39R0 OHM +5% 250MI0W |
| R917 | 30939390 | RCF 39R0 OHM +5% 250MI0W |
| R918 | 30939390 | RCF 39R0 OHM +5% 250MI0W |
| R919 | 30939390 | RCF 39R0 OHM +5% 250MI0W |
| R921 | 30939390 | RCF 39R0 OHM +5% 250MI0W |
| R922 | 30939390 | RCF 39R0 OHM +5% 250MI0W |
| R923 | 30939390 | RCF 39R0 OHM +5% 250MI0W |
| R924 | 30939390 | RCF 39R0 OHM +5% 250MI0W |
| R930 | 50883000 | RCF 3K3 OHM +5% 250MI0W  |
| R931 | 40435670 | RCF 47K0 OHM +5% 250MI0W |
| R991 | 11059640 | RCF 1K0 OHM +5% 250MI0W  |
| R992 | 11059640 | RCF 1K0 OHM +5% 250MI0W  |
| R993 | 11059640 | RCF 1K0 OHM +5% 250MI0W  |
| C111 | 20268840 | CE 1U0F +20% 50.0V 85C   |
| C115 | 55095430 | CPM 100N0F +10% 250.0V   |
| C116 | 55095430 | CPM 100N0F +10% 250.0V   |
| C117 | 55095430 | CPM 100N0F +10% 250.0V   |
| C118 | 55095430 | CPM 100N0F +10% 250.0V   |
| C119 | 55095430 | CPM 100N0F +10% 250.0V   |
| C122 | 40432960 | CPM 47N0F +20% 100.0V    |
| C123 | 40432960 | CPM 47N0F +20% 100.0V    |
| C124 | 40432960 | CPM 47N0F +20% 100.0V    |
| C129 | 20268840 | CE 1U0F +20% 50.0V 85C   |
| C131 | 20268840 | CE 1U0F +20% 50.0V 85C   |
| C133 | 40432960 | CPM 47N0F +20% 100.0V    |
| C134 | 40432960 | CPM 47N0F +20% 100.0V    |
| C135 | 40432960 | CPM 47N0F +20% 100.0V    |
| C136 | 20268880 | CE 10U0F +20% 50.0V 85C  |
| C137 | 20268850 | CE 2U2F +20% 50.0V 85C   |
| C140 | 20268840 | CE 1U0F +20% 50.0V 85C   |
| C142 | 20268840 | CE 1U0F +20% 50.0V 85C   |
| C150 | 20268980 | CE 22U0F +20% 50.0V 85C  |
| C151 | 20252670 | CE 470U0F +20% 10.0V 85C |
| C153 | 20268880 | CE 10U0F +20% 50.0V 85C  |
| C154 | 20268880 | CE 10U0F +20% 50.0V 85C  |
| C155 | 20268880 | CE 10U0F +20% 50.0V 85C  |
| C156 | 20268880 | CE 10U0F +20% 50.0V 85C  |
| C157 | 20267830 | CE 47U0F +20% 16.0V 85C  |
| C158 | 20267830 | CE 47U0F +20% 16.0V 85C  |
| C232 | 20267830 | CE 47U0F +20% 16.0V 85C  |
| C233 | 20268840 | CE 1U0F +20% 50.0V 85C   |
| C234 | 20267830 | CE 47U0F +20% 16.0V 85C  |
| C235 | 20267830 | CE 47U0F +20% 16.0V 85C  |
| C236 | 20268840 | CE 1U0F +20% 50.0V 85C   |
| C237 | 20267830 | CE 47U0F +20% 16.0V 85C  |
| C238 | 20268880 | CE 10U0F +20% 50.0V 85C  |

| Pos  | Tocom#   | SName                       |
|------|----------|-----------------------------|
| C239 | 20268880 | CE 10U0F +20% 50.0V 85C     |
| C240 | 20268880 | CE 10U0F +20% 50.0V 85C     |
| C241 | 20268880 | CE 10U0F +20% 50.0V 85C     |
| C242 | 20267830 | CE 47U0F +20% 16.0V 85C     |
| C243 | 20267830 | CE 47U0F +20% 16.0V 85C     |
| C317 | 20267830 | CE 47U0F +20% 16.0V 85C     |
| C318 | 20267830 | CE 47U0F +20% 16.0V 85C     |
| C321 | 20267830 | CE 47U0F +20% 16.0V 85C     |
| C322 | 20267830 | CE 47U0F +20% 16.0V 85C     |
| C323 | 20267830 | CE 47U0F +20% 16.0V 85C     |
| C324 | 20267830 | CE 47U0F +20% 16.0V 85C     |
| C325 | 20267830 | CE 47U0F +20% 16.0V 85C     |
| C400 | 20268960 | CE 330N0F +20% 50.0V 85C    |
| C401 | 20266320 | CPF 15N0F +10% 50.0V        |
| C402 | 20266840 | CPF 8N2F +10% 50.0V         |
| C403 | 20268860 | CE 3U3F +20% 50.0V 85C      |
| C404 | 20268860 | CE 3U3F +20% 50.0V 85C      |
| C405 | 20266120 | CPF 1N0F +10% 50.0V         |
| C406 | 20266120 | CPF 1N0F +10% 50.0V         |
| C407 | 20251930 | CE 22U0F +20% 16.0V 85C     |
| C408 | 20251930 | CE 22U0F +20% 16.0V 85C     |
| C409 | 20268960 | CE 330N0F +20% 50.0V 85C    |
| C410 | 20266320 | CPF 15N0F +10% 50.0V        |
| C411 | 20266840 | CPF 8N2F +10% 50.0V         |
| C413 | 20268860 | CE 3U3F +20% 50.0V 85C      |
| C415 | 20268860 | CE 3U3F +20% 50.0V 85C      |
| C417 | 20268860 | CE 3U3F +20% 50.0V 85C      |
| C418 | 20268860 | CE 3U3F +20% 50.0V 85C      |
| C420 | 20268860 | CE 3U3F +20% 50.0V 85C      |
| C422 | 20268860 | CE 3U3F +20% 50.0V 85C      |
| C427 | 20267830 | CE 47U0F +20% 16.0V 85C     |
| C428 | 20267830 | CE 47U0F +20% 16.0V 85C     |
| C429 | 20267830 | CE 47U0F +20% 16.0V 85C     |
| C430 | 20267830 | CE 47U0F +20% 16.0V 85C     |
| C431 | 20267830 | CE 47U0F +20% 16.0V 85C     |
| C432 | 20267830 | CE 47U0F +20% 16.0V 85C     |
| C433 | 20268880 | CE 10U0F +20% 50.0V 85C     |
| C436 | 20268880 | CE 10U0F +20% 50.0V 85C     |
| C437 | 20268880 | CE 10U0F +20% 50.0V 85C     |
| C440 | 20268880 | CE 10U0F +20% 50.0V 85C     |
| C441 | 20268880 | CE 10U0F +20% 50.0V 85C     |
| C444 | 20268880 | CE 10U0F +20% 50.0V 85C     |
| C445 | 20268880 | CE 10U0F +20% 50.0V 85C     |
| C448 | 20268880 | CE 10U0F +20% 50.0V 85C     |
| C449 | 20268880 | CE 10U0F +20% 50.0V 85C     |
| C452 | 20268880 | CE 10U0F +20% 50.0V 85C     |
| C453 | 20268880 | CE 10U0F +20% 50.0V 85C     |
| C456 | 20268880 | CE 10U0F +20% 50.0V 85C     |
| C491 | 20268840 | CE 1U0F +20% 50.0V 85C      |
| C492 | 20268840 | CE 1U0F +20% 50.0V 85C      |
| C493 | 20268840 | CE 1U0F +20% 50.0V 85C      |
| C900 | 11055580 | CC 4N7F +10% -10% 50.0V Y5P |
| C901 | 40432960 | CPM 47N0F +20% 100.0V       |
| C902 | 11055580 | CC 4N7F +10% -10% 50.0V Y5P |
| C903 | 11055580 | CC 4N7F +10% -10% 50.0V Y5P |
| C904 | 40432960 | CPM 47N0F +20% 100.0V       |
| C905 | 11055580 | CC 4N7F +10% -10% 50.0V Y5P |
| C906 | 11055580 | CC 4N7F +10% -10% 50.0V Y5P |

| Pos  | Tocom#   | SName                                    |
|------|----------|------------------------------------------|
| C907 | 40432960 | CPM 47N0F +20% 100.0V                    |
| C908 | 11055580 | CC 4N7F +10% -10% 50.0V Y5P              |
| C909 | 11055580 | CC 4N7F +10% -10% 50.0V Y5P              |
| C910 | 40432960 | CPM 47N0F +20% 100.0V                    |
| C911 | 11055580 | CC 4N7F +10% -10% 50.0V Y5P              |
| C912 | 11055580 | CC 4N7F +10% -10% 50.0V Y5P              |
| C913 | 40432960 | CPM 47N0F +20% 100.0V                    |
| C914 | 11055580 | CC 4N7F +10% -10% 50.0V Y5P              |
| C951 | 20268880 | CE 10U0F +20% 50.0V 85C                  |
| C953 | 20268880 | CE 10U0F +20% 50.0V 85C                  |
| C954 | 20268880 | CE 10U0F +20% 50.0V 85C                  |
| C955 | 20268880 | CE 10U0F +20% 50.0V 85C                  |
| C956 | 20268880 | CE 10U0F +20% 50.0V 85C                  |
| C958 | 20268880 | CE 10U0F +20% 50.0V 85C                  |
| C959 | 20268880 | CE 10U0F +20% 50.0V 85C                  |
| C960 | 20268880 | CE 10U0F +20% 50.0V 85C                  |
| C962 | 20252670 | CE 470U0F +20% 10.0V 85C                 |
| C965 | 20268880 | CE 10U0F +20% 50.0V 85C                  |
| C967 | 20268880 | CE 10U0F +20% 50.0V 85C                  |
| C971 | 20252670 | CE 470U0F +20% 10.0V 85C                 |
| C972 | 20268880 | CE 10U0F +20% 50.0V 85C                  |
| C973 | 20252670 | CE 470U0F +20% 10.0V 85C                 |
| C977 | 20267830 | CE 47U0F +20% 16.0V 85C                  |
| C978 | 20267830 | CE 47U0F +20% 16.0V 85C                  |
| C980 | 20267830 | CE 47U0F +20% 16.0V 85C                  |
| C982 | 20267830 | CE 47U0F +20% 16.0V 85C                  |
| Q102 | 20508210 | TR-SLPLF KTA1266 Y P 150MIOA             |
| Q103 | 20508210 | TR-SLPLF KTA1266 Y P 150MIOA             |
| Q104 | 55133250 | TR-SLPLF 2SC1740S R N 150MIOA 50V        |
| Q105 | 55133250 | TR-SLPLF 2SC1740S R N 150MIOA 50V        |
| Q106 | 20508210 | TR-SLPLF KTA1266 Y P 150MIOA             |
| Q107 | 20556600 | TR-SHPLF KTC3200BL N 100MIOA 120V        |
| Q108 | 55133230 | TR-SLPLF KTA1268 GR P 100MIOA -120V      |
| Q391 | 55133340 | TR-SLPLF DTC114TS N 600MIOA              |
| Q392 | 55133220 | TR-SLPLF DTA114YSA P 100MIOA             |
| Q393 | 55112030 | TR-M FET RA/TAD 2SK117Y N 300MIOA 14MIOA |
| Q400 | 55133220 | TR-SLPLF DTA114YSA P 100MIOA             |
| Q401 | 55133220 | TR-SLPLF DTA114YSA P 100MIOA             |
| Q402 | 55133220 | TR-SLPLF DTA114YSA P 100MIOA             |
| Q403 | 55133220 | TR-SLPLF DTA114YSA P 100MIOA             |
| Q404 | 55133290 | TR-SLPLF KTD1302 B N 300MIOA 20V         |
| Q405 | 55133290 | TR-SLPLF KTD1302 B N 300MIOA 20V         |
| Q406 | 55133290 | TR-SLPLF KTD1302 B N 300MIOA 20V         |
| Q407 | 55133290 | TR-SLPLF KTD1302 B N 300MIOA 20V         |
| Q408 | 55133290 | TR-SLPLF KTD1302 B N 300MIOA 20V         |
| Q409 | 55133290 | TR-SLPLF KTD1302 B N 300MIOA 20V         |
| Q900 | 20508080 | TR-SLPLF KTC3198BL N 150MIOA             |
| Q951 | 55101930 | TR-SLPLF 2SA933ASR P -3.0A -20V          |
| Q951 | 55101930 | TR-SLPLF 2SA933ASR P -3.0A -20V          |
| Q951 | 55180600 | TR-SLPLF 2SA933S P -150MIOA -50V         |
| Q952 | 55101930 | TR-SLPLF 2SA933ASR P -3.0A -20V          |
| Q952 | 55101930 | TR-SLPLF 2SA933ASR P -3.0A -20V          |
| Q952 | 55180600 | TR-SLPLF 2SA933S P -150MIOA -50V         |
| Q954 | 55157120 | TR-SLPLF KTC2874 A N 300MIOA 20V         |
| Q954 | 55179210 | TR-SLPSWA KTC2874 B N                    |
| Q954 | 55179210 | TR-SLPSWA KTC2874 B N                    |
| Q957 | 55101930 | TR-SLPLF 2SA933ASR P -3.0A -20V          |
| Q957 | 55101930 | TR-SLPLF 2SA933ASR P -3.0A -20V          |

| Pos  | Tocom#   | SName                              |
|------|----------|------------------------------------|
| Q957 | 55180600 | TR-SLPLF 2SA933S P -150MI0A -50V   |
| Q959 | 55157120 | TR-SLPLF KTC2874 A N 300MI0A 20V   |
| Q959 | 55179210 | TR-SLPSWA KTC2874 B N              |
| Q959 | 55179210 | TR-SLPSWA KTC2874 B N              |
| Q960 | 55157120 | TR-SLPLF KTC2874 A N 300MI0A 20V   |
| Q960 | 55179210 | TR-SLPSWA KTC2874 B N              |
| Q960 | 55179210 | TR-SLPSWA KTC2874 B N              |
| Q961 | 55101930 | TR-SLPLF 2SA933ASR P -3.0A -20V    |
| Q961 | 55101930 | TR-SLPLF 2SA933ASR P -3.0A -20V    |
| Q961 | 55180600 | TR-SLPLF 2SA933S P -150MI0A -50V   |
| Q962 | 55157120 | TR-SLPLF KTC2874 A N 300MI0A 20V   |
| Q962 | 55179210 | TR-SLPSWA KTC2874 B N              |
| Q962 | 55179210 | TR-SLPSWA KTC2874 B N              |
| Q971 | 55133220 | TR-SLPLF DTA114YSA P 100MI0A       |
| C112 | 20267290 | CCCFMIN 100N0F +80% -20% 50.0V Y5V |
| C125 | 20267290 | CCCFMIN 100N0F +80% -20% 50.0V Y5V |
| C126 | 20267290 | CCCFMIN 100N0F +80% -20% 50.0V Y5V |
| C130 | 20267290 | CCCFMIN 100N0F +80% -20% 50.0V Y5V |
| C132 | 20267290 | CCCFMIN 100N0F +80% -20% 50.0V Y5V |
| C141 | 20267290 | CCCFMIN 100N0F +80% -20% 50.0V Y5V |
| C143 | 20267290 | CCCFMIN 100N0F +80% -20% 50.0V Y5V |
| C144 | 11059340 | CCCFMIN 10N0F +10% -10% 50.0V X7R  |
| C145 | 11059340 | CCCFMIN 10N0F +10% -10% 50.0V X7R  |
| C200 | 11058670 | CCCFMIN 100P0F +5% -5% 50.0V NP0   |
| C201 | 11058670 | CCCFMIN 100P0F +5% -5% 50.0V NP0   |
| C202 | 11058670 | CCCFMIN 100P0F +5% -5% 50.0V NP0   |
| C203 | 11058670 | CCCFMIN 100P0F +5% -5% 50.0V NP0   |
| C204 | 11058670 | CCCFMIN 100P0F +5% -5% 50.0V NP0   |
| C205 | 11058670 | CCCFMIN 100P0F +5% -5% 50.0V NP0   |
| C206 | 11058670 | CCCFMIN 100P0F +5% -5% 50.0V NP0   |
| C207 | 11058670 | CCCFMIN 100P0F +5% -5% 50.0V NP0   |
| C208 | 11058670 | CCCFMIN 100P0F +5% -5% 50.0V NP0   |
| C209 | 11058670 | CCCFMIN 100P0F +5% -5% 50.0V NP0   |
| C210 | 11058670 | CCCFMIN 100P0F +5% -5% 50.0V NP0   |
| C211 | 11058670 | CCCFMIN 100P0F +5% -5% 50.0V NP0   |
| C212 | 11058670 | CCCFMIN 100P0F +5% -5% 50.0V NP0   |
| C213 | 11058670 | CCCFMIN 100P0F +5% -5% 50.0V NP0   |
| C214 | 11058670 | CCCFMIN 100P0F +5% -5% 50.0V NP0   |
| C215 | 11058670 | CCCFMIN 100P0F +5% -5% 50.0V NP0   |
| C220 | 11058670 | CCCFMIN 100P0F +5% -5% 50.0V NP0   |
| C221 | 11058670 | CCCFMIN 100P0F +5% -5% 50.0V NP0   |
| C222 | 11058670 | CCCFMIN 100P0F +5% -5% 50.0V NP0   |
| C223 | 11058670 | CCCFMIN 100P0F +5% -5% 50.0V NP0   |
| C224 | 11058670 | CCCFMIN 100P0F +5% -5% 50.0V NP0   |
| C225 | 11058670 | CCCFMIN 100P0F +5% -5% 50.0V NP0   |
| C226 | 11058670 | CCCFMIN 100P0F +5% -5% 50.0V NP0   |
| C227 | 11058670 | CCCFMIN 100P0F +5% -5% 50.0V NP0   |
| C228 | 11058670 | CCCFMIN 100P0F +5% -5% 50.0V NP0   |
| C229 | 11058670 | CCCFMIN 100P0F +5% -5% 50.0V NP0   |
| C230 | 11058670 | CCCFMIN 100P0F +5% -5% 50.0V NP0   |
| C231 | 11058670 | CCCFMIN 100P0F +5% -5% 50.0V NP0   |
| C244 | 11058670 | CCCFMIN 100P0F +5% -5% 50.0V NP0   |
| C245 | 11058670 | CCCFMIN 100P0F +5% -5% 50.0V NP0   |
| C246 | 11058670 | CCCFMIN 100P0F +5% -5% 50.0V NP0   |
| C247 | 11058670 | CCCFMIN 100P0F +5% -5% 50.0V NP0   |
| C248 | 11058670 | CCCFMIN 100P0F +5% -5% 50.0V NP0   |
| C249 | 11058670 | CCCFMIN 100P0F +5% -5% 50.0V NP0   |
| C319 | 15049350 | CCCFMIN 470N0F +80% -20% 16.0V Y5V |

| Pos   | Tocom#   | SName                                       |
|-------|----------|---------------------------------------------|
| C412  | 11058670 | CCCFMIN 100P0F +5% -5% 50.0V NP0            |
| C414  | 11058670 | CCCFMIN 100P0F +5% -5% 50.0V NP0            |
| C416  | 11058670 | CCCFMIN 100P0F +5% -5% 50.0V NP0            |
| C419  | 11058670 | CCCFMIN 100P0F +5% -5% 50.0V NP0            |
| C421  | 11058670 | CCCFMIN 100P0F +5% -5% 50.0V NP0            |
| C423  | 11058670 | CCCFMIN 100P0F +5% -5% 50.0V NP0            |
| C424  | 11058670 | CCCFMIN 100P0F +5% -5% 50.0V NP0            |
| C425  | 11058670 | CCCFMIN 100P0F +5% -5% 50.0V NP0            |
| C426  | 11058670 | CCCFMIN 100P0F +5% -5% 50.0V NP0            |
| C434  | 50882360 | CCCFMIN 33P0F +5% -5% 50.0V NP0             |
| C435  | 30938730 | CCCFMIN 220P0F +5% -5% 50.0V NP0            |
| C438  | 50882360 | CCCFMIN 33P0F +5% -5% 50.0V NP0             |
| C439  | 30938730 | CCCFMIN 220P0F +5% -5% 50.0V NP0            |
| C442  | 50882360 | CCCFMIN 33P0F +5% -5% 50.0V NP0             |
| C443  | 30938730 | CCCFMIN 220P0F +5% -5% 50.0V NP0            |
| C446  | 50882360 | CCCFMIN 33P0F +5% -5% 50.0V NP0             |
| C447  | 30938730 | CCCFMIN 220P0F +5% -5% 50.0V NP0            |
| C450  | 50882360 | CCCFMIN 33P0F +5% -5% 50.0V NP0             |
| C451  | 30938730 | CCCFMIN 220P0F +5% -5% 50.0V NP0            |
| C454  | 50882360 | CCCFMIN 33P0F +5% -5% 50.0V NP0             |
| C455  | 30938730 | CCCFMIN 220P0F +5% -5% 50.0V NP0            |
| C460  | 11058670 | CCCFMIN 100P0F +5% -5% 50.0V NP0            |
| C952  | 20267290 | CCCFMIN 100N0F +80% -20% 50.0V Y5V          |
| C957  | 20267290 | CCCFMIN 100N0F +80% -20% 50.0V Y5V          |
| C961  | 11058670 | CCCFMIN 100P0F +5% -5% 50.0V NP0            |
| C966  | 20267290 | CCCFMIN 100N0F +80% -20% 50.0V Y5V          |
| C970  | 11058670 | CCCFMIN 100P0F +5% -5% 50.0V NP0            |
| C974  | 11058670 | CCCFMIN 100P0F +5% -5% 50.0V NP0            |
| C975  | 11058670 | CCCFMIN 100P0F +5% -5% 50.0V NP0            |
| C976  | 20267290 | CCCFMIN 100N0F +80% -20% 50.0V Y5V          |
| C979  | 20267290 | CCCFMIN 100N0F +80% -20% 50.0V Y5V          |
| C981  | 20267290 | CCCFMIN 100N0F +80% -20% 50.0V Y5V          |
| C983  | 20267290 | CCCFMIN 100N0F +80% -20% 50.0V Y5V          |
| C984  | 11058670 | CCCFMIN 100P0F +5% -5% 50.0V NP0            |
| C985  | 11058670 | CCCFMIN 100P0F +5% -5% 50.0V NP0            |
| C986  | 11058670 | CCCFMIN 100P0F +5% -5% 50.0V NP0            |
| D122  | 20496510 | D-SLP 1SS355 35.0V 225MI0A                  |
| D200  | 20496510 | D-SLP 1SS355 35.0V 225MI0A                  |
| D201  | 20496510 | D-SLP 1SS355 35.0V 225MI0A                  |
| IC107 | 20718770 | IC-LOGIC BU4053BF MULTIPLEXER CMOS          |
| IC108 | 20920060 | IC-OPERAMP KIA4558F DUAL OP                 |
| IC108 | 20976940 | IC-OPERAMP BA4558F DUAL OP                  |
| IC202 | 20920060 | IC-OPERAMP KIA4558F DUAL OP                 |
| IC202 | 20976940 | IC-OPERAMP BA4558F DUAL OP                  |
| IC301 | 20920060 | IC-OPERAMP KIA4558F DUAL OP                 |
| IC301 | 20976940 | IC-OPERAMP BA4558F DUAL OP                  |
| IC302 | 20920060 | IC-OPERAMP KIA4558F DUAL OP                 |
| IC302 | 20976940 | IC-OPERAMP BA4558F DUAL OP                  |
| IC303 | 20920060 | IC-OPERAMP KIA4558F DUAL OP                 |
| IC303 | 20976940 | IC-OPERAMP BA4558F DUAL OP                  |
| IC400 | 55187340 | IC-LOWFREQ M62446FP TONE/VOL/BAL/MUTE       |
| IC400 | 55435360 | IC-LOWFREQ M62446AFP TONE/VOL/BAL/MUTE      |
| IC400 | 5543536A | IC-LOWFREQ M62446AFP D61G TONE/VOL/BAL/MUTE |
| IC401 | 20920060 | IC-OPERAMP KIA4558F DUAL OP                 |
| IC401 | 20976940 | IC-OPERAMP BA4558F DUAL OP                  |
| IC402 | 20920060 | IC-OPERAMP KIA4558F DUAL OP                 |
| IC402 | 20976940 | IC-OPERAMP BA4558F DUAL OP                  |
| IC403 | 20920060 | IC-OPERAMP KIA4558F DUAL OP                 |

| Pos   | Tocom#   | SName                                 |
|-------|----------|---------------------------------------|
| IC403 | 20976940 | IC-OPERAMP BA4558F DUAL OP            |
| IC901 | 55192900 | IC-SWITCH BA7626F SOP16 VIDEO         |
| IC902 | 55192900 | IC-SWITCH BA7626F SOP16 VIDEO         |
| IC903 | 55192900 | IC-SWITCH BA7626F SOP16 VIDEO         |
| IC904 | 20718660 | IC-LOGIC BU4094BF SHIFT REGISTER CMOS |
| J100  | 80440510 | RMGCFMIN 0 OHM +0% 100MIOW            |
| J101  | 80440510 | RMGCFMIN 0 OHM +0% 100MIOW            |
| J102  | 80440510 | RMGCFMIN 0 OHM +0% 100MIOW            |
| J106  | 80440510 | RMGCFMIN 0 OHM +0% 100MIOW            |
| J107  | 80440510 | RMGCFMIN 0 OHM +0% 100MIOW            |
| J116  | 80440510 | RMGCFMIN 0 OHM +0% 100MIOW            |
| J117  | 80440510 | RMGCFMIN 0 OHM +0% 100MIOW            |
| J119  | 80440510 | RMGCFMIN 0 OHM +0% 100MIOW            |
| J120  | 80440510 | RMGCFMIN 0 OHM +0% 100MIOW            |
| J122  | 80440510 | RMGCFMIN 0 OHM +0% 100MIOW            |
| J123  | 80440510 | RMGCFMIN 0 OHM +0% 100MIOW            |
| J124  | 80440510 | RMGCFMIN 0 OHM +0% 100MIOW            |
| J125  | 80440510 | RMGCFMIN 0 OHM +0% 100MIOW            |
| J126  | 80440510 | RMGCFMIN 0 OHM +0% 100MIOW            |
| J127  | 80440510 | RMGCFMIN 0 OHM +0% 100MIOW            |
| J128  | 80440510 | RMGCFMIN 0 OHM +0% 100MIOW            |
| J129  | 80440510 | RMGCFMIN 0 OHM +0% 100MIOW            |
| J130  | 80440510 | RMGCFMIN 0 OHM +0% 100MIOW            |
| J170  | 80440510 | RMGCFMIN 0 OHM +0% 100MIOW            |
| J211  | 80440510 | RMGCFMIN 0 OHM +0% 100MIOW            |
| J231  | 80440510 | RMGCFMIN 0 OHM +0% 100MIOW            |
| J31   | 80440510 | RMGCFMIN 0 OHM +0% 100MIOW            |
| J601  | 80440510 | RMGCFMIN 0 OHM +0% 100MIOW            |
| J602  | 80440510 | RMGCFMIN 0 OHM +0% 100MIOW            |
| J603  | 80440510 | RMGCFMIN 0 OHM +0% 100MIOW            |
| J604  | 80440510 | RMGCFMIN 0 OHM +0% 100MIOW            |
| Q109  | 55133190 | TR-SSD DTA114YKA P 10K0 OHM 47K0 OHM  |
| Q110  | 55039430 | TR-SSD DTC323TK N 2K2 OHM             |
| Q111  | 55039430 | TR-SSD DTC323TK N 2K2 OHM             |
| R116  | 50886630 | RMGCFMIN 100K0 OHM +5% 100MIOW        |
| R117  | 11066500 | RMGCFMIN 68K0 OHM +5% 100MIOW         |
| R118  | 11066440 | RMGCFMIN 3K3 OHM +5% 100MIOW          |
| R121  | 40438290 | RMGCFMIN 1K5 OHM +5% 100MIOW          |
| R122  | 90574400 | RMGCFMIN 470R0 OHM +5% 100MIOW        |
| R123  | 20471940 | RMGCFMIN 680R0 OHM +5% 100MIOW        |
| R124  | 60444400 | RMGCFMIN 22K0 OHM +5% 100MIOW         |
| R126  | 11066540 | RMGCFMIN 560K0 OHM +5% 100MIOW        |
| R129  | 11066540 | RMGCFMIN 560K0 OHM +5% 100MIOW        |
| R131  | 11066440 | RMGCFMIN 3K3 OHM +5% 100MIOW          |
| R132  | 80440390 | RMGCFMIN 2K2 OHM +5% 100MIOW          |
| R133  | 50886610 | RMGCFMIN 10K0 OHM +5% 100MIOW         |
| R135  | 50886610 | RMGCFMIN 10K0 OHM +5% 100MIOW         |
| R137  | 20471950 | RMGCFMIN 1K0 OHM +5% 100MIOW          |
| R138  | 80440390 | RMGCFMIN 2K2 OHM +5% 100MIOW          |
| R139  | 30944310 | RMGCFMIN 4K7 OHM +5% 100MIOW          |
| R140  | 30944310 | RMGCFMIN 4K7 OHM +5% 100MIOW          |
| R150  | 50886630 | RMGCFMIN 100K0 OHM +5% 100MIOW        |
| R151  | 50886630 | RMGCFMIN 100K0 OHM +5% 100MIOW        |
| R152  | 20471950 | RMGCFMIN 1K0 OHM +5% 100MIOW          |
| R153  | 20471950 | RMGCFMIN 1K0 OHM +5% 100MIOW          |
| R154  | 50886550 | RMGCFMIN 560R0 OHM +5% 100MIOW        |
| R155  | 50886550 | RMGCFMIN 560R0 OHM +5% 100MIOW        |
| R156  | 50886630 | RMGCFMIN 100K0 OHM +5% 100MIOW        |

| Pos  | Tocom#   | SName                           |
|------|----------|---------------------------------|
| R157 | 50886630 | RMGCFMIN 100K0 OHM +5% 100MIOUW |
| R200 | 90574400 | RMGCFMIN 470R0 OHM +5% 100MIOUW |
| R201 | 90574400 | RMGCFMIN 470R0 OHM +5% 100MIOUW |
| R202 | 90574400 | RMGCFMIN 470R0 OHM +5% 100MIOUW |
| R203 | 90574400 | RMGCFMIN 470R0 OHM +5% 100MIOUW |
| R204 | 90574400 | RMGCFMIN 470R0 OHM +5% 100MIOUW |
| R205 | 90574400 | RMGCFMIN 470R0 OHM +5% 100MIOUW |
| R206 | 90574400 | RMGCFMIN 470R0 OHM +5% 100MIOUW |
| R207 | 90574400 | RMGCFMIN 470R0 OHM +5% 100MIOUW |
| R210 | 90574400 | RMGCFMIN 470R0 OHM +5% 100MIOUW |
| R211 | 90574400 | RMGCFMIN 470R0 OHM +5% 100MIOUW |
| R212 | 90574400 | RMGCFMIN 470R0 OHM +5% 100MIOUW |
| R213 | 90574400 | RMGCFMIN 470R0 OHM +5% 100MIOUW |
| R214 | 90574400 | RMGCFMIN 470R0 OHM +5% 100MIOUW |
| R215 | 90574400 | RMGCFMIN 470R0 OHM +5% 100MIOUW |
| R216 | 20471920 | RMGCFMIN 220R0 OHM +5% 100MIOUW |
| R218 | 50886630 | RMGCFMIN 100K0 OHM +5% 100MIOUW |
| R219 | 11066480 | RMGCFMIN 47K0 OHM +5% 100MIOUW  |
| R220 | 90574400 | RMGCFMIN 470R0 OHM +5% 100MIOUW |
| R221 | 50886630 | RMGCFMIN 100K0 OHM +5% 100MIOUW |
| R222 | 20471920 | RMGCFMIN 220R0 OHM +5% 100MIOUW |
| R223 | 50886630 | RMGCFMIN 100K0 OHM +5% 100MIOUW |
| R225 | 11066480 | RMGCFMIN 47K0 OHM +5% 100MIOUW  |
| R226 | 90574400 | RMGCFMIN 470R0 OHM +5% 100MIOUW |
| R227 | 50886630 | RMGCFMIN 100K0 OHM +5% 100MIOUW |
| R228 | 20471920 | RMGCFMIN 220R0 OHM +5% 100MIOUW |
| R229 | 50886630 | RMGCFMIN 100K0 OHM +5% 100MIOUW |
| R234 | 20471920 | RMGCFMIN 220R0 OHM +5% 100MIOUW |
| R236 | 50886630 | RMGCFMIN 100K0 OHM +5% 100MIOUW |
| R237 | 50886630 | RMGCFMIN 100K0 OHM +5% 100MIOUW |
| R238 | 50886630 | RMGCFMIN 100K0 OHM +5% 100MIOUW |
| R244 | 50886630 | RMGCFMIN 100K0 OHM +5% 100MIOUW |
| R245 | 50886630 | RMGCFMIN 100K0 OHM +5% 100MIOUW |
| R291 | 50886630 | RMGCFMIN 100K0 OHM +5% 100MIOUW |
| R292 | 50886630 | RMGCFMIN 100K0 OHM +5% 100MIOUW |
| R293 | 50886630 | RMGCFMIN 100K0 OHM +5% 100MIOUW |
| R294 | 50886630 | RMGCFMIN 100K0 OHM +5% 100MIOUW |
| R320 | 50886550 | RMGCFMIN 560R0 OHM +5% 100MIOUW |
| R321 | 50886630 | RMGCFMIN 100K0 OHM +5% 100MIOUW |
| R324 | 70434200 | RMGCFMIN 100R0 OHM +5% 100MIOUW |
| R325 | 70434200 | RMGCFMIN 100R0 OHM +5% 100MIOUW |
| R326 | 50886630 | RMGCFMIN 100K0 OHM +5% 100MIOUW |
| R327 | 70434230 | RMGCFMIN 1K2 OHM +5% 100MIOUW   |
| R328 | 80440390 | RMGCFMIN 2K2 OHM +5% 100MIOUW   |
| R330 | 70434230 | RMGCFMIN 1K2 OHM +5% 100MIOUW   |
| R331 | 80440390 | RMGCFMIN 2K2 OHM +5% 100MIOUW   |
| R333 | 11066440 | RMGCFMIN 3K3 OHM +5% 100MIOUW   |
| R334 | 11066440 | RMGCFMIN 3K3 OHM +5% 100MIOUW   |
| R335 | 11066440 | RMGCFMIN 3K3 OHM +5% 100MIOUW   |
| R336 | 11066440 | RMGCFMIN 3K3 OHM +5% 100MIOUW   |
| R337 | 11066440 | RMGCFMIN 3K3 OHM +5% 100MIOUW   |
| R338 | 11066440 | RMGCFMIN 3K3 OHM +5% 100MIOUW   |
| R339 | 60444370 | RMGCFMIN 180R0 OHM +5% 100MIOUW |
| R340 | 60444370 | RMGCFMIN 180R0 OHM +5% 100MIOUW |
| R341 | 20471950 | RMGCFMIN 1K0 OHM +5% 100MIOUW   |
| R342 | 20471950 | RMGCFMIN 1K0 OHM +5% 100MIOUW   |
| R391 | 11066480 | RMGCFMIN 47K0 OHM +5% 100MIOUW  |
| R392 | 80440480 | RMGCFMIN 3M3 OHM +5% 100MIOUW   |

| Pos  | Tocom#   | SName                           |
|------|----------|---------------------------------|
| R393 | 50886630 | RMGCFMIN 100K0 OHM +5% 100MIOUW |
| R402 | 70434200 | RMGCFMIN 100R0 OHM +5% 100MIOUW |
| R403 | 70434200 | RMGCFMIN 100R0 OHM +5% 100MIOUW |
| R404 | 15268430 | RMGCFMIN 1R0 OHM +5% 100MIOUW   |
| R405 | 15268430 | RMGCFMIN 1R0 OHM +5% 100MIOUW   |
| R408 | 60444390 | RMGCFMIN 3K9 OHM +5% 100MIOUW   |
| R409 | 60444390 | RMGCFMIN 3K9 OHM +5% 100MIOUW   |
| R410 | 60444390 | RMGCFMIN 3K9 OHM +5% 100MIOUW   |
| R412 | 60444390 | RMGCFMIN 3K9 OHM +5% 100MIOUW   |
| R413 | 60444390 | RMGCFMIN 3K9 OHM +5% 100MIOUW   |
| R414 | 60444390 | RMGCFMIN 3K9 OHM +5% 100MIOUW   |
| R415 | 20471950 | RMGCFMIN 1K0 OHM +5% 100MIOUW   |
| R416 | 20471950 | RMGCFMIN 1K0 OHM +5% 100MIOUW   |
| R417 | 20471950 | RMGCFMIN 1K0 OHM +5% 100MIOUW   |
| R426 | 70434200 | RMGCFMIN 100R0 OHM +5% 100MIOUW |
| R427 | 70434200 | RMGCFMIN 100R0 OHM +5% 100MIOUW |
| R428 | 70434200 | RMGCFMIN 100R0 OHM +5% 100MIOUW |
| R429 | 70434200 | RMGCFMIN 100R0 OHM +5% 100MIOUW |
| R430 | 70434200 | RMGCFMIN 100R0 OHM +5% 100MIOUW |
| R431 | 70434200 | RMGCFMIN 100R0 OHM +5% 100MIOUW |
| R432 | 50886550 | RMGCFMIN 560R0 OHM +5% 100MIOUW |
| R433 | 50886630 | RMGCFMIN 100K0 OHM +5% 100MIOUW |
| R434 | 20471950 | RMGCFMIN 1K0 OHM +5% 100MIOUW   |
| R435 | 11066460 | RMGCFMIN 8K2 OHM +5% 100MIOUW   |
| R436 | 50886630 | RMGCFMIN 100K0 OHM +5% 100MIOUW |
| R437 | 20471950 | RMGCFMIN 1K0 OHM +5% 100MIOUW   |
| R438 | 50886550 | RMGCFMIN 560R0 OHM +5% 100MIOUW |
| R439 | 50886630 | RMGCFMIN 100K0 OHM +5% 100MIOUW |
| R440 | 20471950 | RMGCFMIN 1K0 OHM +5% 100MIOUW   |
| R441 | 11066460 | RMGCFMIN 8K2 OHM +5% 100MIOUW   |
| R442 | 50886630 | RMGCFMIN 100K0 OHM +5% 100MIOUW |
| R443 | 20471950 | RMGCFMIN 1K0 OHM +5% 100MIOUW   |
| R444 | 50886550 | RMGCFMIN 560R0 OHM +5% 100MIOUW |
| R445 | 50886630 | RMGCFMIN 100K0 OHM +5% 100MIOUW |
| R446 | 20471950 | RMGCFMIN 1K0 OHM +5% 100MIOUW   |
| R447 | 11066460 | RMGCFMIN 8K2 OHM +5% 100MIOUW   |
| R448 | 50886630 | RMGCFMIN 100K0 OHM +5% 100MIOUW |
| R449 | 20471950 | RMGCFMIN 1K0 OHM +5% 100MIOUW   |
| R450 | 50886550 | RMGCFMIN 560R0 OHM +5% 100MIOUW |
| R451 | 50886630 | RMGCFMIN 100K0 OHM +5% 100MIOUW |
| R452 | 20471950 | RMGCFMIN 1K0 OHM +5% 100MIOUW   |
| R453 | 11066460 | RMGCFMIN 8K2 OHM +5% 100MIOUW   |
| R454 | 50886630 | RMGCFMIN 100K0 OHM +5% 100MIOUW |
| R455 | 20471950 | RMGCFMIN 1K0 OHM +5% 100MIOUW   |
| R456 | 50886550 | RMGCFMIN 560R0 OHM +5% 100MIOUW |
| R457 | 50886630 | RMGCFMIN 100K0 OHM +5% 100MIOUW |
| R458 | 20471950 | RMGCFMIN 1K0 OHM +5% 100MIOUW   |
| R459 | 11066460 | RMGCFMIN 8K2 OHM +5% 100MIOUW   |
| R460 | 50886630 | RMGCFMIN 100K0 OHM +5% 100MIOUW |
| R461 | 20471950 | RMGCFMIN 1K0 OHM +5% 100MIOUW   |
| R462 | 50886550 | RMGCFMIN 560R0 OHM +5% 100MIOUW |
| R463 | 50886630 | RMGCFMIN 100K0 OHM +5% 100MIOUW |
| R464 | 90574410 | RMGCFMIN 910R0 OHM +5% 100MIOUW |
| R465 | 30944340 | RMGCFMIN 27K0 OHM +5% 100MIOUW  |
| R466 | 50886630 | RMGCFMIN 100K0 OHM +5% 100MIOUW |
| R467 | 20471950 | RMGCFMIN 1K0 OHM +5% 100MIOUW   |
| R478 | 20471950 | RMGCFMIN 1K0 OHM +5% 100MIOUW   |
| R479 | 20471950 | RMGCFMIN 1K0 OHM +5% 100MIOUW   |

| Pos   | Tocom#   | SName                                               |
|-------|----------|-----------------------------------------------------|
| R480  | 20471950 | RMGCFMIN 1K0 OHM +5% 100MIOW                        |
| R482  | 20471950 | RMGCFMIN 1K0 OHM +5% 100MIOW                        |
| R483  | 20471950 | RMGCFMIN 1K0 OHM +5% 100MIOW                        |
| R484  | 20471950 | RMGCFMIN 1K0 OHM +5% 100MIOW                        |
| R951  | 90574370 | RMGCFMIN 82R0 OHM +5% 100MIOW                       |
| R952  | 30944250 | RMGCFMIN 10R0 OHM +5% 100MIOW                       |
| R953  | 90574370 | RMGCFMIN 82R0 OHM +5% 100MIOW                       |
| R954  | 90574370 | RMGCFMIN 82R0 OHM +5% 100MIOW                       |
| R955  | 90574370 | RMGCFMIN 82R0 OHM +5% 100MIOW                       |
| R956  | 30944250 | RMGCFMIN 10R0 OHM +5% 100MIOW                       |
| R957  | 90574370 | RMGCFMIN 82R0 OHM +5% 100MIOW                       |
| R958  | 90574370 | RMGCFMIN 82R0 OHM +5% 100MIOW                       |
| R959  | 50886610 | RMGCFMIN 10K0 OHM +5% 100MIOW                       |
| R960  | 11066390 | RMGCFMIN 75R0 OHM +5% 100MIOW                       |
| R965  | 90574370 | RMGCFMIN 82R0 OHM +5% 100MIOW                       |
| R966  | 30944250 | RMGCFMIN 10R0 OHM +5% 100MIOW                       |
| R969  | 50886610 | RMGCFMIN 10K0 OHM +5% 100MIOW                       |
| R970  | 11066390 | RMGCFMIN 75R0 OHM +5% 100MIOW                       |
| R971  | 11066390 | RMGCFMIN 75R0 OHM +5% 100MIOW                       |
| R972  | 50886610 | RMGCFMIN 10K0 OHM +5% 100MIOW                       |
| R973  | 50886610 | RMGCFMIN 10K0 OHM +5% 100MIOW                       |
| R974  | 11066390 | RMGCFMIN 75R0 OHM +5% 100MIOW                       |
| R979  | 70434200 | RMGCFMIN 100R0 OHM +5% 100MIOW                      |
| R980  | 70434200 | RMGCFMIN 100R0 OHM +5% 100MIOW                      |
| R982  | 20471950 | RMGCFMIN 1K0 OHM +5% 100MIOW                        |
| R985  | 70434200 | RMGCFMIN 100R0 OHM +5% 100MIOW                      |
| R987  | 20471950 | RMGCFMIN 1K0 OHM +5% 100MIOW                        |
| R988  | 70434200 | RMGCFMIN 100R0 OHM +5% 100MIOW                      |
| R989  | 20471950 | RMGCFMIN 1K0 OHM +5% 100MIOW                        |
| R990  | 20471950 | RMGCFMIN 1K0 OHM +5% 100MIOW                        |
| R994  | 20471990 | RMGCFMIN 12K0 OHM +5% 100MIOW                       |
| R995  | 50886630 | RMGCFMIN 100K0 OHM +5% 100MIOW                      |
| R996  | 50886630 | RMGCFMIN 100K0 OHM +5% 100MIOW                      |
| R997  | 50886630 | RMGCFMIN 100K0 OHM +5% 100MIOW                      |
| C120  | 55183340 | CE 8MI2F +20% 80.0V 85C                             |
| C121  | 55183340 | CE 8MI2F +20% 80.0V 85C                             |
| C127  | 40433130 | CE 2MI2F +20% 35.0V 85C                             |
| C128  | 40433130 | CE 2MI2F +20% 35.0V 85C                             |
| C138  | 55126160 | CE 6MI8F +20% 16.0V 85C                             |
| C139  | 55126160 | CE 6MI8F +20% 16.0V 85C                             |
| C461  | 55129660 | CPM 680N0F +10% 63.0V                               |
| C973  | 20252670 | CE 470U0F +20% 10.0V 85C                            |
| CN116 | 55125040 | CONN 2.0MM 12 MA R NAT MOLEX 35237-1210 0 0         |
| CN201 | 55158630 | WIRECONASY UNIQUE 3P 80MM UL1007 PVC DISCRETE 26    |
| CN300 | 55285970 | WIRECONASY UNIQUE 12P 190MM UL1007 PVC DISCRETE 26  |
| CN400 | 55177600 | CONN 2.5MM 10 MA ST NAT 0 0                         |
| CN501 | 55144670 | WIRECONASY UNIQUE 7P 90MM UL1007 PVC DISCRETE 22 1  |
| CN502 | 55184150 | WIRECONASY UNIQUE 10P 80MM UL1007 PVC DISCRETE 26   |
| CP116 | 55124970 | CONN 2.0MM 12 MA ST NAT MOLEX 35336-1210 0 0        |
| CP201 | 55090080 | CONN 2.0MM 3 MA ST NAT LW2002P03 0 0                |
| CP301 | 55192770 | CONN 1.25MM 29 FE ST BK 00-8370-291-000-800 2794 A6 |
| CP304 | 55090050 | CONN 2.0MM 10 MA ST NAT LW2002P10 0 0               |
| CP401 | 55124990 | CONN 2.0MM 14 MA ST NAT MOLEX 35336-1410 0 0        |
| CP402 | 55124960 | CONN 2.0MM 11 MA ST NAT MOLEX 35336-1110 0 0        |
| CP503 | 55146590 | CONN 2.5MM 5 MA ST NAT 0 0                          |
| D112  | 55134080 | D-BRDLC RS603M                                      |
| D113  | 20415060 | D-SR 1N4004 400.0V 1.0A                             |
| D114  | 20415060 | D-SR 1N4004 400.0V 1.0A                             |

| Pos   | Tocom#   | SName                                                                   |
|-------|----------|-------------------------------------------------------------------------|
| D115  | 20415060 | D-SR 1N4004 400.0V 1.0A                                                 |
| D116  | 20415060 | D-SR 1N4004 400.0V 1.0A                                                 |
| D118  | 20415060 | D-SR 1N4004 400.0V 1.0A                                                 |
| D119  | 20415060 | D-SR 1N4004 400.0V 1.0A                                                 |
| D120  | 20415060 | D-SR 1N4004 400.0V 1.0A                                                 |
| D121  | 20415060 | D-SR 1N4004 400.0V 1.0A                                                 |
| D900  | 20525530 | D-SR 1N4003 200.0V 1A                                                   |
| G100  | 55135980 | TERMLUG GND                                                             |
| IC102 | 20832440 | IC-REGPOSFXD KIA7815API NORMAL                                          |
| IC103 | 55124020 | IC-REGNEGFxD KIA7915PI NORMAL                                           |
| IC104 | 55123960 | IC-REGPOSFXD KIA7805API NORMAL                                          |
| IC105 | 55123990 | IC-REGNEGFxD KIA7905PI NORMAL                                           |
| IC106 | 55125450 | IC-REGPOSFXD BA033T NORMAL                                              |
| IC200 | 20832580 | IC-SWITCH LC78211 ANALOG SWITCH                                         |
| IC201 | 20832580 | IC-SWITCH LC78211 ANALOG SWITCH                                         |
| JK100 | 55262230 | CON PHONO SCKT RCA 2P                                                   |
| JK104 | 55262240 | CONN-SPE TERMINAL SPKR 6P -- FE 4.5MM 6 GN 0 0                          |
| JK105 | 55191390 | CONN-SPE TERMINAL SPKR 4P SH0410376P FE 19MM 4 BK                       |
| JK106 | 55176330 | CON PHONO SCKT RCA 4P JW4104RS GND                                      |
| JK107 | 55176330 | CON PHONO SCKT RCA 4P JW4104RS GND                                      |
| JK109 | 55088230 | CON PHONO SCKT RCA-606P 6 PINS                                          |
| JK111 | 55191370 | CON PHONO SCKT RCA 1P JACK JE010003XN                                   |
| JK112 | 55149520 | CON DIN SCKT MIX SOCKET RCA-118JP1S                                     |
| JK113 | 55149520 | CON DIN SCKT MIX SOCKET RCA-118JP1S                                     |
| JK114 | 55149520 | CON DIN SCKT MIX SOCKET RCA-118JP1S                                     |
| L900  | 21070690 | LFA 1MM 10MM 7 LEFT                                                     |
| L901  | 21070690 | LFA 1MM 10MM 7 LEFT                                                     |
| L902  | 21070690 | LFA 1MM 10MM 7 LEFT                                                     |
| L903  | 21070690 | LFA 1MM 10MM 7 LEFT                                                     |
| L904  | 21070690 | LFA 1MM 10MM 7 LEFT                                                     |
| R127  | 20696190 | RW 100M $\Omega$ OHM +5% 5.0W 260PPM/ $^{\circ}$ C 260PPM/ $^{\circ}$ C |
| R128  | 20696190 | RW 100M $\Omega$ OHM +5% 5.0W 260PPM/ $^{\circ}$ C 260PPM/ $^{\circ}$ C |
| R141  | 55154180 | RMFF 270M $\Omega$ OHM +10% 1.0W                                        |
| R142  | 55154180 | RMFF 270M $\Omega$ OHM +10% 1.0W                                        |
| R143  | 55154180 | RMFF 270M $\Omega$ OHM +10% 1.0W                                        |
| R144  | 55154180 | RMFF 270M $\Omega$ OHM +10% 1.0W                                        |
| R400  | 90572170 | RMOF 270R $\Omega$ OHM +5% 1.0W                                         |
| R401  | 90572160 | RMOF 220R $\Omega$ OHM +5% 1.0W                                         |
| R900  | 15022710 | RMOF 10R $\Omega$ OHM +5% 2.0W                                          |
| R905  | 15022710 | RMOF 10R $\Omega$ OHM +5% 2.0W                                          |
| R910  | 15022710 | RMOF 10R $\Omega$ OHM +5% 2.0W                                          |
| R915  | 15022710 | RMOF 10R $\Omega$ OHM +5% 2.0W                                          |
| R920  | 15022710 | RMOF 10R $\Omega$ OHM +5% 2.0W                                          |
| RY900 | 55091520 | RELAYPWR 24.0V 1K10HM 5.0A                                              |
| W101  | 55163540 | WIRECONASY UNIQUE 1P 100MM UL1007 PVC DISCRETE 18                       |
| W102  | 55285990 | WIRECONASY UNIQUE 1P 300MM UL1007 PVC DISCRETE 16                       |
| W103  | 55337550 | WIRECONASY UNIQUE 1P 180MM UL1007 RIBBON 18 1                           |
| W104  | 55337550 | WIRECONASY UNIQUE 1P 180MM UL1007 RIBBON 18 1                           |

| Pos | Tocom#   | SName                                            |
|-----|----------|--------------------------------------------------|
|     | 55568370 | AC ASSEMBLY EXPLODED VIEW DRAWING AVR1500        |
|     | 55498750 | AC DEC CABINET PANEL FRONT AVR1550               |
|     | 55510880 | AC CPL PLATE BADGE HARMAN/KARDON GOLD            |
|     | 55177740 | AC DEC KNOB MAIN HIPS 94H                        |
|     | 55498770 | AC DEC BUTTON 8 KEY AVR1550 --                   |
|     | 55230130 | AC DEC BUTTON 7 KEY AVR8000 HIPS                 |
|     | 55498790 | AC DEC CRYSTAL DISPLAY AVR1550                   |
|     | 55177800 | AC DEC CRYSTAL FILTER DISPLAY                    |
|     | 55177810 | AC DEC BUTTON POWER HIPS DVD10 --                |
|     | 55498880 | AC DEC BUTTON STANDBY AVR1550 --                 |
|     | 55498980 | AC MLD BUTTON INDICATOR STAND-BY AVR1550 --      |
|     | 55244320 | AC MLD HOLDER FL-GUIDE HIPS 94HB AVR120          |
|     | 55178110 | AC FOOT ASSY ROUND 15.8MM 50MM NOT DEFINED Y DIA |
|     | 55174760 | AC FOOT RUBBER ROUND 3.0MM 25.0MM JIS 60 Y DIA   |
|     | 55178000 | SWIPUSH POWER SWITCH 5.0A 250.0V 100MIOHM 1T 2P  |
|     | 55125180 | AC MLD CLAMP AC CORD RT2280/RT2250               |
|     | 55125220 | AC RAW BUFFER PCB                                |
|     | 5522774A | EPR TUNER MODULE KST-M1114MW1-60A AVR2500 EU     |
|     | 20181850 | CABLE-FIX WIRE-TIE WITH LOCK DENNISON            |
|     | 20370190 | CABLE-FIX WIRE-TIE MELLERMAI TYPE T18R 0 0       |
|     | 55178250 | AC CPL CABINET CHASSIS FRONT SECC 1.0T AVR520    |
|     | 55192650 | AC CPL CABINET CHASSIS MAIN DCR600MK2            |
|     | 55499080 | AC CPL REAR PANEL AVR1550                        |
|     | 55184300 | AC HEATSINK POWER AL6063T5 5.0T TAV5100 -- ME    |
|     | 55164980 | AC MLD BRACKET SPACE PCB PLASTIC                 |
|     | 55124320 | AC PUN BRACKET AC3 PCB RT2280/RT2250             |
|     | 55178170 | AC PUN BRACKET FRAME-GUIDE SECC T1.0 --          |
|     | 55124350 | AC PUN BRACKET HEADPHONE RT2280/RT2250           |
|     | 55132220 | AC PUN BRACKET MAIN PCB RT2280 --                |
|     | 55124310 | AC PUN BRACKET TRANS RT2280 --                   |
|     | 55227770 | AC PUN COVER BOTTOM SECC T1.0 DVR600MKII SECC    |
|     | 55178050 | AC PUN COVER TOP AVR520 METAL --                 |
|     | 55178960 | AC SPRING PLATE SPRING GND C5212 0.2T AVR520     |
|     | 20720110 | WIRE-MCRDM 0.82MM2 2000MM BK                     |
|     | 55157190 | FCORE FERRIT MAGNET W5T 20X10X10 F5              |
|     | 55148840 | FCORE FERRIT MAGNET RING34 34.5X21X12 K-150      |
|     | 55192760 | FFC-JUMPER 19X 1.25MM 360MM                      |
|     | 55192750 | FFC-JUMPER 29X 1.25MM 460MM                      |
|     | 55286010 | WIRECONASY UNIQUE 2P 420MM UL1617 PVC            |
|     | 55135460 | SCREW-SPEC 3MM 10MM JIS 27 0 0                   |
|     | 55049000 | SCREW-ST 3MM 06MM JIS B 1122 03 0 0              |
|     | 55127070 | SCREW-ST 3MM 10MM JIS B 1122 19 0 0              |
|     | 55178320 | SCREW-ST 3MM 12MM JIS B 1122 53 0 A4             |
|     | 55127290 | SCREW-ST 3MM 18MM JIS B 1122 J80600031810 53 0 0 |
|     | 55127280 | SCREW-ST 3MM 6MM JIS B 1122 25 0 0               |
|     | 55127120 | SCREW-ST 3MM 8MM JIS B 1122 J5636140040X 53 0 0  |
|     | 55127140 | SCREW-ST 4MM 8MM JIS B 1122 J5636140130X 25 0 0  |
|     | 55127310 | WASHER 3.3MM 8.0MM 0.5MM Y 53 0 A4               |
|     | 55127300 | WASHER-SPR 3.1MM 6.2MM 0.8MM Y 53 0 I4           |
|     | 55178340 | SCREW-ST 4MM 10MM A124008000 53 0 A4             |
|     | 55168690 | AC SPRING WASHER RT2250(PAV5005)                 |
|     | 55131730 | WASHER 4.8MM 12MM 1.0MM -- 53 0 I5               |
|     | 55174780 | AC PRI LABEL DATE                                |
|     | 20932870 | AC PRI LABEL QC CHECK CRKD1217(20 X 13MM)        |
|     | 55149150 | AC PRI LABEL RISK CDRW1211                       |
|     | 55499380 | AC PRI LABEL SERIAL AVR1550                      |
|     | 55126350 | AC MLD BUTTON SUPPORT RT2280/RT2250              |
|     | 55630390 | TF-LAM POWER-TRANSFORMER 230V                    |

| Pos  | Tocom#   | SName                                 |
|------|----------|---------------------------------------|
|      | 55261080 | AC KNOB CORK SH08M790B0 BK PL         |
|      | 55212250 | CABLE-FIX CLAMP WIRE UL DENNISON 0 0  |
|      | 55231600 | POS 100R0 OHM 16.0V                   |
|      | 55233220 | POS 100R0 OHM 16.0V                   |
|      | 20634190 | FELT BK 30.0MM X 25.0MM 0.8MM 0MM 0 0 |
|      | 55373490 | AC PRI LABEL MADE IN PRC              |
|      | 55215950 | SHRINK-PREF 30.0MM 1537 A0            |
|      | 20523540 | WASHER 3.0MM 8.0MM 0.5MM N/A 00 0 0   |
|      | 20634190 | FELT BK 30.0MM X 25.0MM 0.8MM 0MM 0 0 |
|      | 20828800 | FUSVDETIMELG 3.15 A 250.0 V 5X20      |
| Q608 | 55133270 | TR-SHPLF 2SC4137 N 100MIOA 20V        |
| Q613 | 55125560 | TR-SLPSWA 2SD2389 TO3P N              |
| Q614 | 55125550 | TR-SLPSWA 2SB1559 TO3P P              |
| Q623 | 55133270 | TR-SHPLF 2SC4137 N 100MIOA 20V        |
| Q628 | 55125560 | TR-SLPSWA 2SD2389 TO3P N              |
| Q629 | 55125550 | TR-SLPSWA 2SB1559 TO3P P              |
| Q638 | 55133270 | TR-SHPLF 2SC4137 N 100MIOA 20V        |
| Q643 | 55125560 | TR-SLPSWA 2SD2389 TO3P N              |
| Q644 | 55125550 | TR-SLPSWA 2SB1559 TO3P P              |
| Q653 | 55133270 | TR-SHPLF 2SC4137 N 100MIOA 20V        |
| Q658 | 55125560 | TR-SLPSWA 2SD2389 TO3P N              |
| Q659 | 55125550 | TR-SLPSWA 2SB1559 TO3P P              |
| Q668 | 55133270 | TR-SHPLF 2SC4137 N 100MIOA 20V        |
| Q673 | 55125560 | TR-SLPSWA 2SD2389 TO3P N              |
| Q674 | 55125550 | TR-SLPSWA 2SB1559 TO3P P              |

## AVR 1550 PROTECT

Page1

| Pos | Tocom#   | SName                                       |
|-----|----------|---------------------------------------------|
|     | 20634190 | FELT BK 30.0MM X 25.0MM 0.8MM 0MM 0 0       |
| D1  | 20454630 | D-ZENER 1N5239B 9.1V 500MIOW                |
| D2  | 70436540 | D-SLP 1N4148 100.0V 150E-3A                 |
| D3  | 70436540 | D-SLP 1N4148 100.0V 150E-3A                 |
| R1  | 70430560 | RCF 5K6 OHM +5% 250MIOW                     |
| R2  | 30939510 | RCF 100K0 OHM +5% 250MIOW                   |
| R3  | 11059640 | RCF 1K0 OHM +5% 250MIOW                     |
| R4  | 60441570 | RCF 5K1 OHM +5% 250MIOW                     |
| R5  | 40435640 | RCF 4K7 OHM +5% 250MIOW                     |
| Q1  | 55133250 | TR-SLPLF 2SC1740S R N 150MIOA 50V           |
| CN1 | 55384540 | WIRECONASY UNIQUE 3P 340MM UL1007 RIBBON 24 |
| CP1 | 55146560 | CONN 2.5MM 2 MA ST NAT 0 0                  |
| CP2 | 55146560 | CONN 2.5MM 2 MA ST NAT 0 0                  |

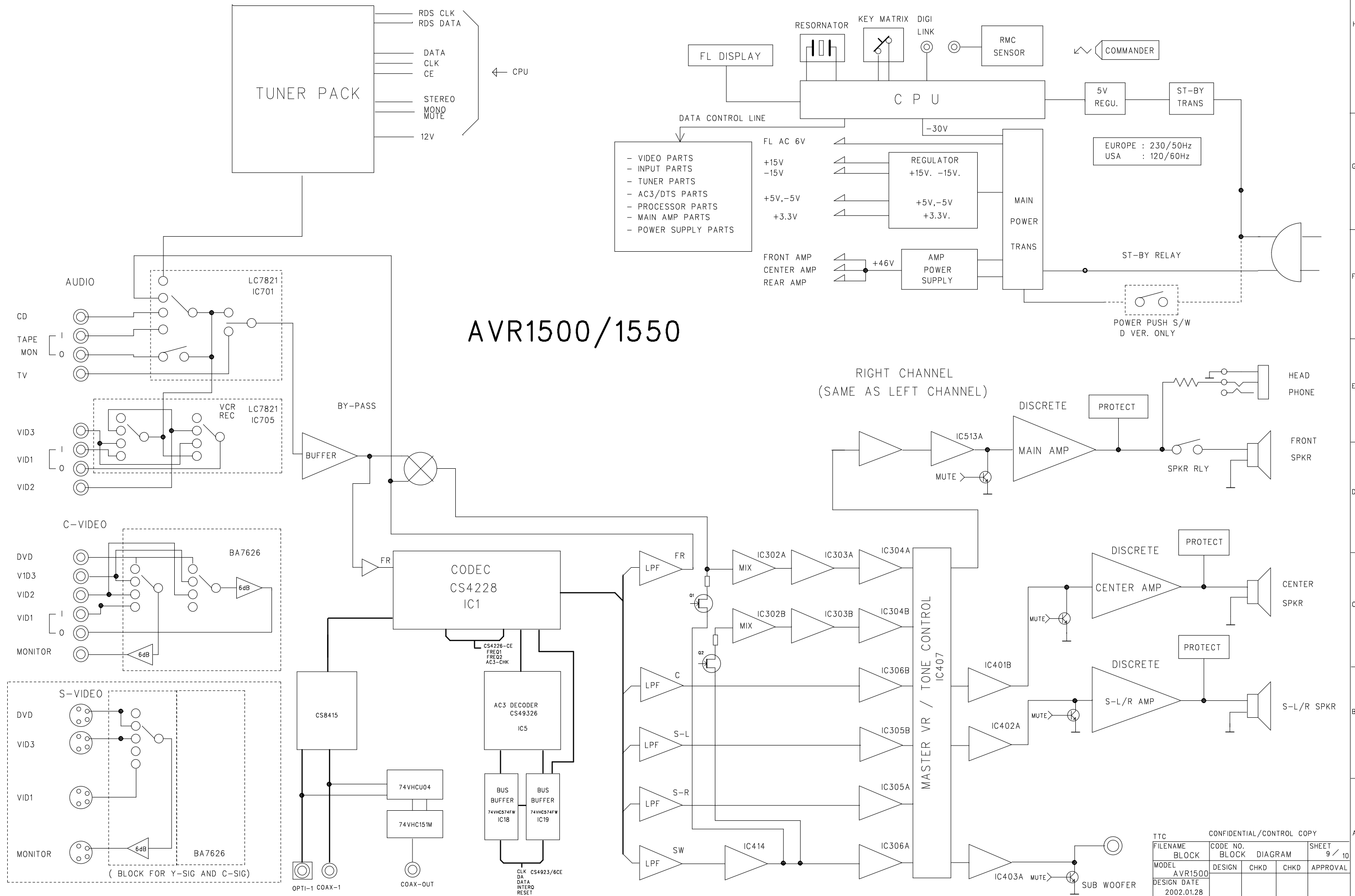
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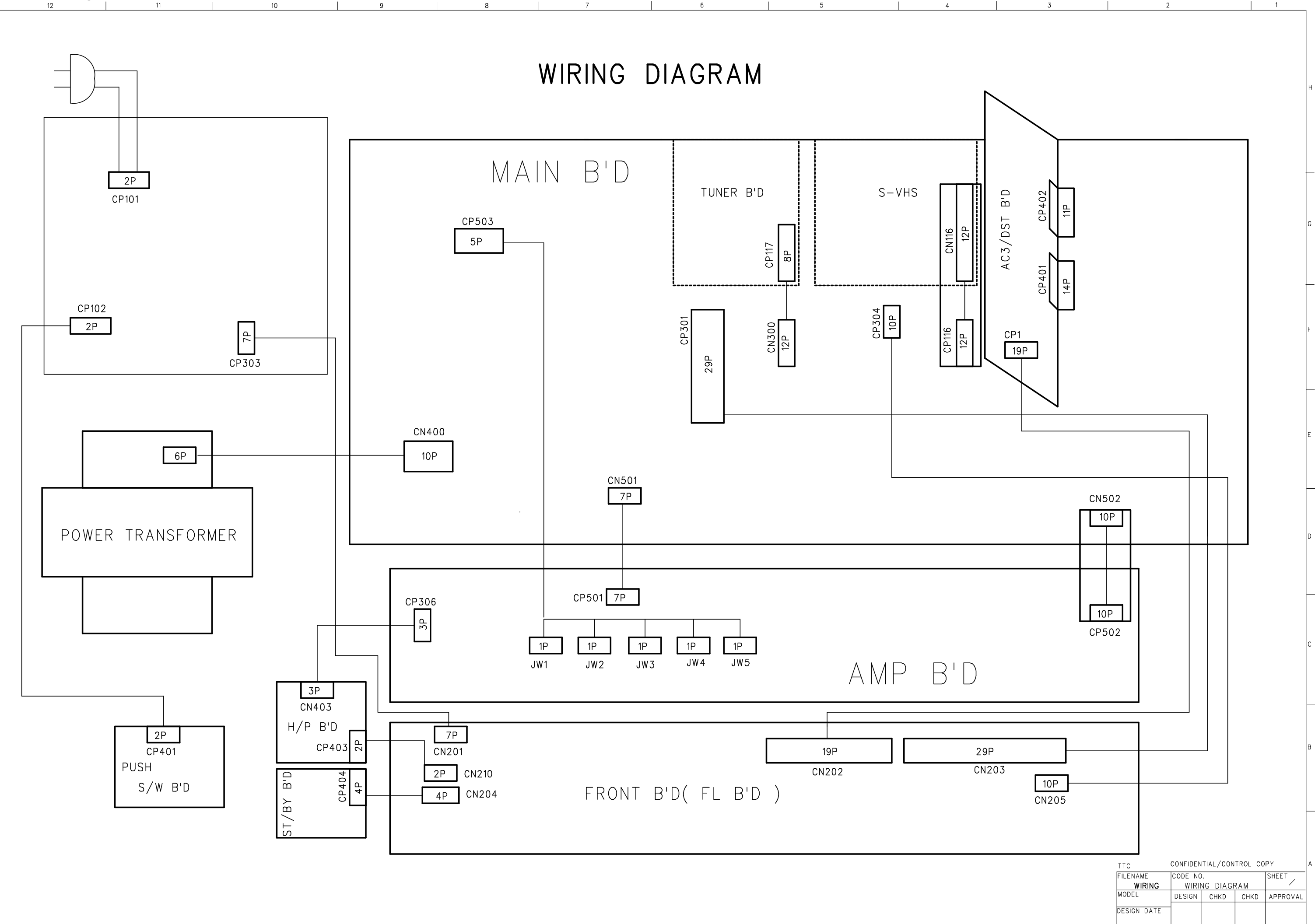
Page 1

| Pos | Tocom#   | SName                                         |
|-----|----------|-----------------------------------------------|
| 50  | 55127490 | ANTENNA WIRE ANTENNA LOOP CT01-AM 0 0         |
| 60  | 55498700 | EPR RCT REMOCON AVR1550 OEM -- W/O BATTERY -- |
| 70  | 5502022A | BATNCALK 1.5V AAA 1.15 AH                     |
| 80  | 55498710 | AC CARTON AVR1550                             |
| 110 | 55178610 | AC CPL ENDCAP CUSHION POLY 0.024              |
| 120 | 55127460 | ANTENNA WIRE 75 OHM WIRE CT03-FM 0 0          |
| 140 | 55498720 | AC PRI LABEL BARCODE AVR1550                  |
| 150 | 55178770 | AC PRI LABEL SAFETY LEAF                      |
| 160 | 55164890 | AC CPL BAG POLY PE T0.05 500MM X 300MM        |
| 170 | 55170660 | AC SHEET EPE DVD5 920MM X 1000MM              |
| 180 | 55498730 | AC BOOK INSTR AVR1550                         |
| 190 | 20676090 | AC CPL BAG PE 230MM X 120MM                   |
| 230 | 55540020 | AC BOOK INSTR SAFETY BOOKLET                  |

| Pos   | Tocom#   | SName                                           |
|-------|----------|-------------------------------------------------|
| D106  | 70436540 | D-SLP 1N4148 100.0V 150E-3A                     |
| D110  | 20475340 | D-ZENER BZX55B30 30V 500MI0W                    |
| D111  | 20454630 | D-ZENER 1N5239B 9.1V 500MI0W                    |
| D124  | 20526960 | D-ZENER 1N5231B 5.1V 500MI0W                    |
| D129  | 70436540 | D-SLP 1N4148 100.0V 150E-3A                     |
| R101  | 11059580 | RCF 56R0 OHM +5% 250MI0W                        |
| R102  | 50883000 | RCF 3K3 OHM +5% 250MI0W                         |
| R103  | 30939370 | RCF 15R0 OHM +5% 250MI0W                        |
| R104  | 40435640 | RCF 4K7 OHM +5% 250MI0W                         |
| R105  | 40435640 | RCF 4K7 OHM +5% 250MI0W                         |
| R106  | 30939360 | RCF 10R0 OHM +5% 250MI0W                        |
| R107  | 30939480 | RCF 10K0 OHM +5% 250MI0W                        |
| R108  | 11059640 | RCF 1K0 OHM +5% 250MI0W                         |
| R109  | 11067570 | RCF 1R0 OHM +5% 250MI0W                         |
| R110  | 11067570 | RCF 1R0 OHM +5% 250MI0W                         |
| C105  | 40432960 | CPM 47N0F +20% 100.0V                           |
| C106  | 40432960 | CPM 47N0F +20% 100.0V                           |
| C107  | 40432960 | CPM 47N0F +20% 100.0V                           |
| C109  | 20267420 | CE 1U0F +20% 50.0V 105C                         |
| C110  | 20246470 | CC 100N0F +80% -20% 25.0V Z5V                   |
| C111  | 55127400 | CE 560N0F +20% 50.0V 85C                        |
| C112  | 55095410 | CPM 220N0F +10% 63.0V                           |
| C113  | 13074540 | CE 100U0F +20% 50.0V 85C                        |
| C114  | 13055500 | CE 10U0F +20% 50.0V 85C                         |
| Q101  | 55133250 | TR-SLPLF 2SC1740S R N 150MI0A 50V               |
| Q102  | 55133350 | TR-SLPLF MPSA56 Y P -500MI0A -300V              |
| C101  | 55095470 | CC 4N7F +20% -20% 250.0V Y5V                    |
| C102  | 55095470 | CC 4N7F +20% -20% 250.0V Y5V                    |
| C103  | 55095460 | CPPMX 100N0F +20% -20%                          |
| C104  | 55095470 | CC 4N7F +20% -20% 250.0V Y5V                    |
| C108  | 20268030 | CE 1MI0F +20% 25.0V 85C                         |
| CP102 | 55123510 | CON 3.96MM PITCH HEADER 2 POS MOLEX 35328-0210  |
| CP303 | 55090060 | CONN 2.0MM 7 MA ST NAT LW2002P07 0 0            |
| CP400 | 55142040 | WIRECONASY UNIQUE 10P 320MM UL1007 PVC DISCRETE |
| D101  | 20415060 | D-SR 1N4004 400.0V 1.0A                         |
| D102  | 20415060 | D-SR 1N4004 400.0V 1.0A                         |
| D103  | 20415060 | D-SR 1N4004 400.0V 1.0A                         |
| D104  | 20415060 | D-SR 1N4004 400.0V 1.0A                         |
| D105  | 20415060 | D-SR 1N4004 400.0V 1.0A                         |
| D107  | 20415060 | D-SR 1N4004 400.0V 1.0A                         |
| D108  | 20415060 | D-SR 1N4004 400.0V 1.0A                         |
| D109  | 20415060 | D-SR 1N4004 400.0V 1.0A                         |
| FC101 | 20413370 | TERMFUSEHLDR FUSE-HOLDER                        |
| FC102 | 20413370 | TERMFUSEHLDR FUSE-HOLDER                        |
| IC101 | 20361320 | IC-REGPOSFXD KIA7806PI NORMAL                   |
| RY101 | 55091500 | RELAYPWR 12.0V 270.0OHM 10.0A 250.0V            |
| TRS2  | 55284970 | TF-LAM 110V STANDBY 230V                        |

| NO | DATE | POS. | CONTENTS | NO | DATE | POS. | CONTENTS |
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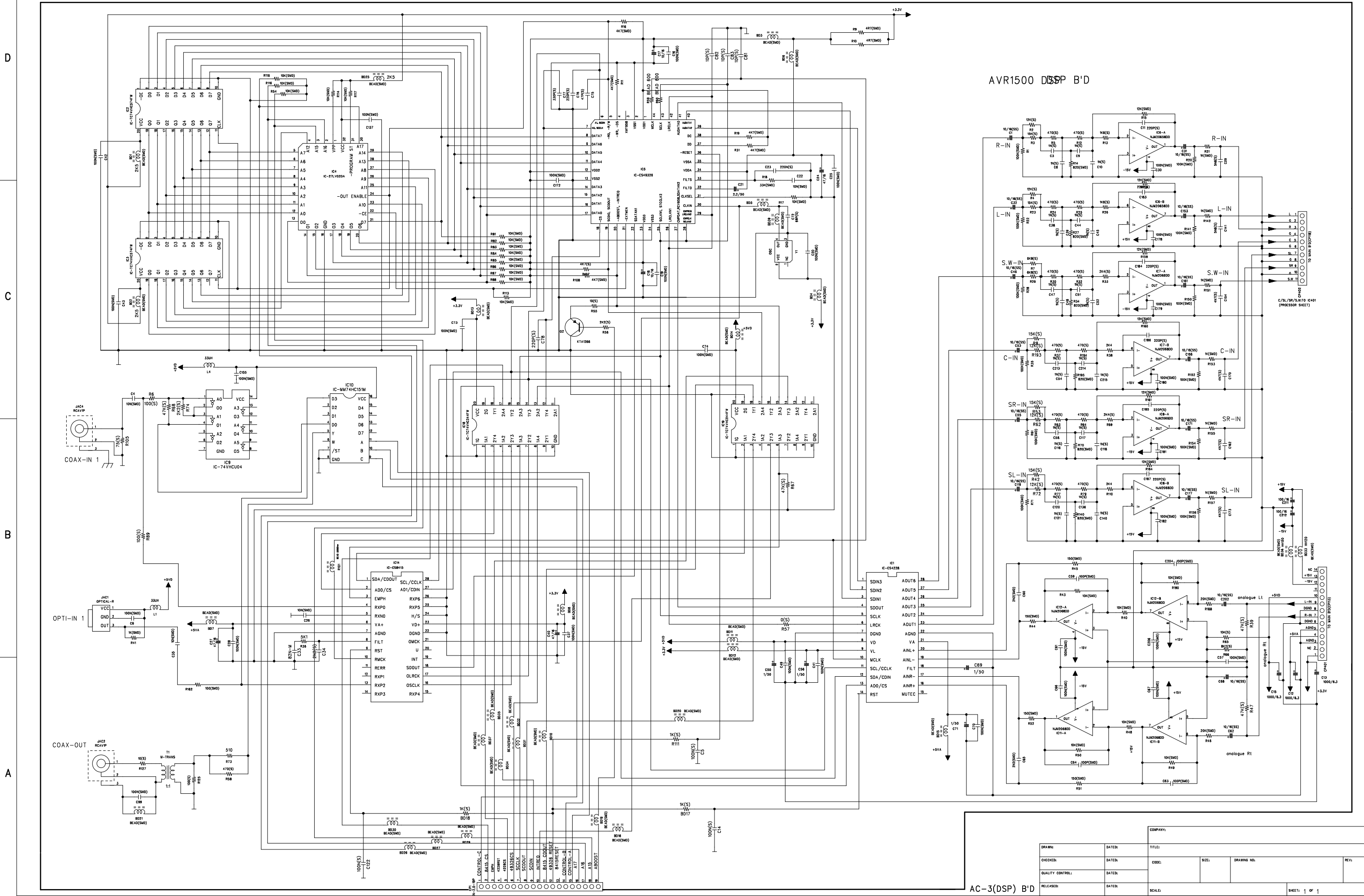


SCHEMATIC DIAGRAM

AVR1550

DSP B'D

| REVISION RECORD |         |           |       |
|-----------------|---------|-----------|-------|
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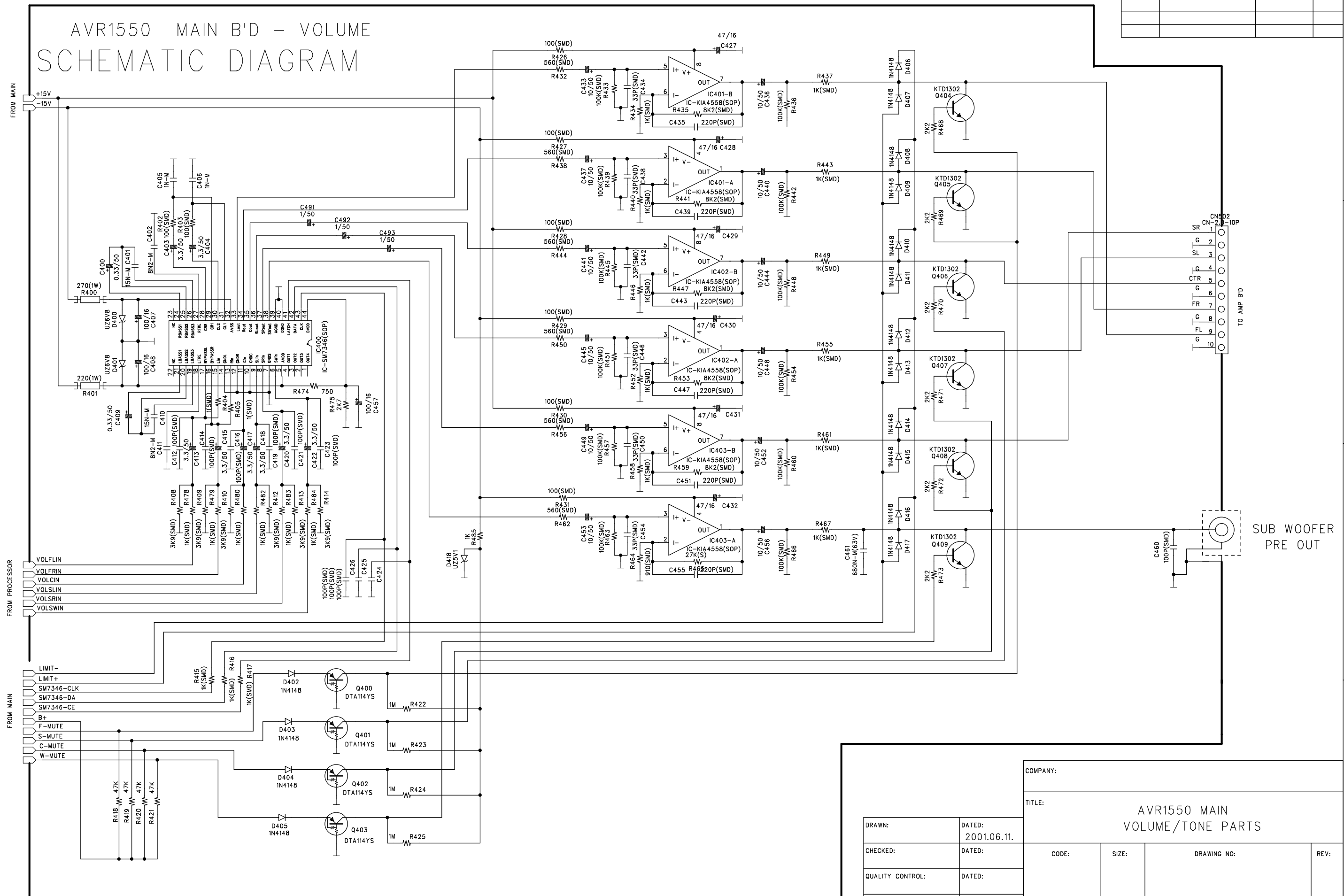
AVR1500 DSP B'D

AC-3(DSP) B'D

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|------------------|--|-------|--|-------------|--|
| CHECKER:         |  | DATE: |  | CODE:       |  |
| QUALITY CONTROL: |  | DATE: |  | SIZE:       |  |
| RELEASED:        |  | DATE: |  | DRAWING NO: |  |
| COMPANY:         |  |       |  | SCALE:      |  |
| SHEET: 1 OF 1    |  |       |  | REV:        |  |

| REVISION RECORD |         |           |       |
|-----------------|---------|-----------|-------|
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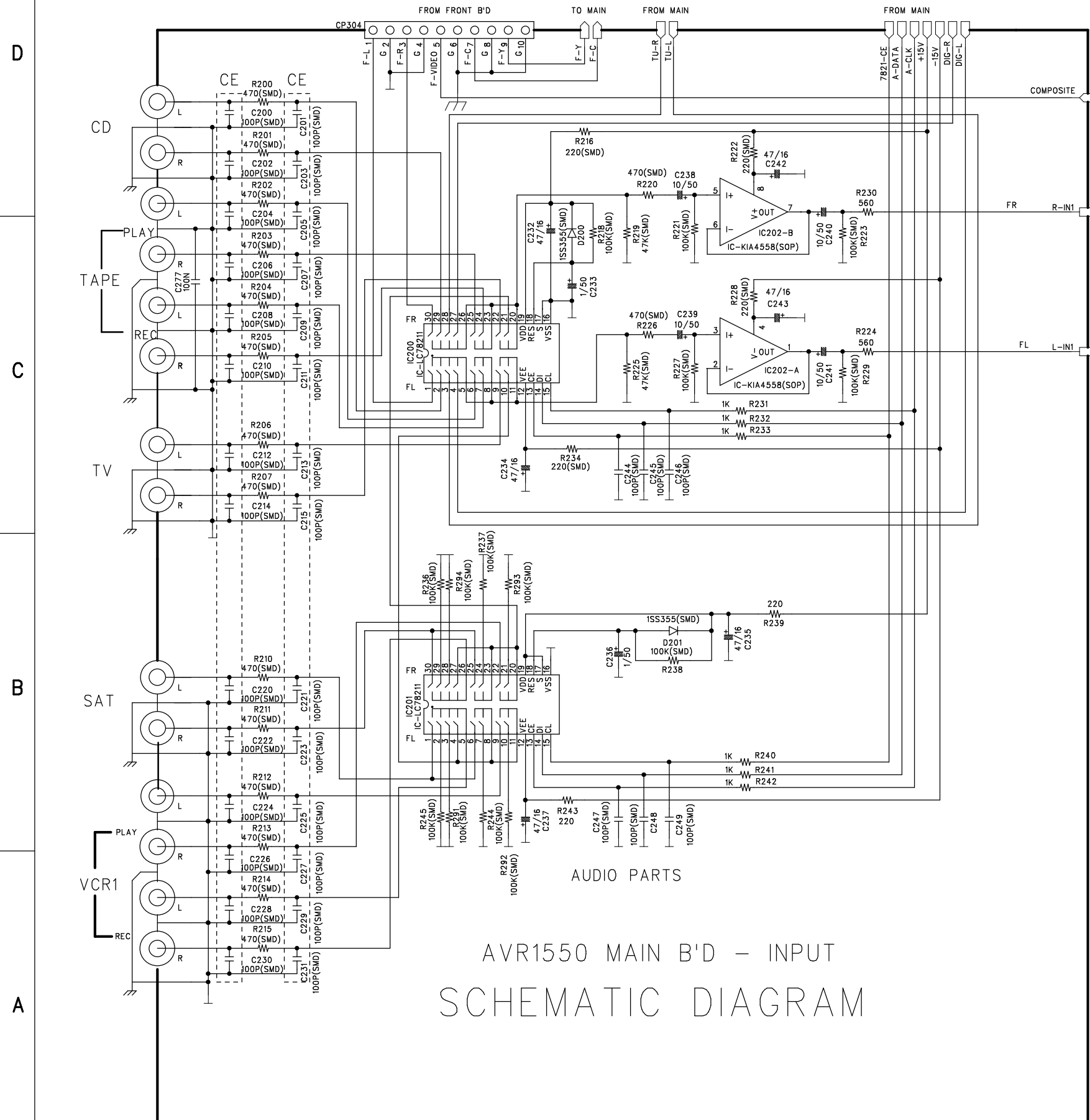
AVR1550 MAIN B'D - VOLUME  
SCHEMATIC DIAGRAM



SUB WOOFER  
PRE OUT

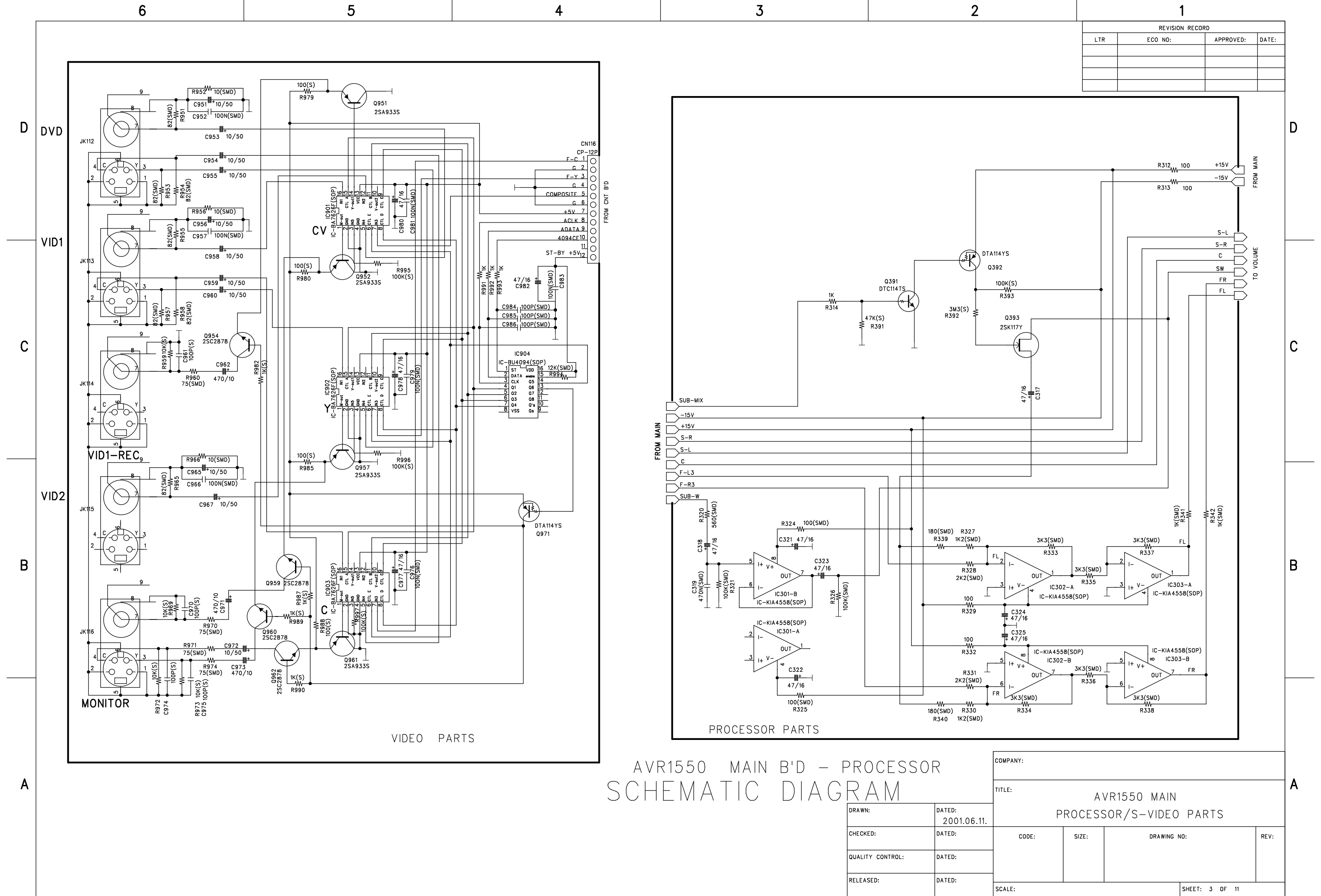
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|                  |                       | COMPANY:                                        |       |             |                |
|                  |                       | TITLE:<br><br>AVR1550 MAIN<br>VOLUME/TONE PARTS |       |             |                |
|                  |                       |                                                 |       |             |                |
|                  |                       |                                                 |       |             |                |
| DRAWN:           | DATED:<br>2001.06.11. | CODE:                                           | SIZE: | DRAWING NO: | REV:           |
| CHECKED:         | DATED:                |                                                 |       |             |                |
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| RELEASED:        | DATED:                |                                                 |       |             |                |
|                  |                       | SCALE:                                          |       |             | SHEET: 4 OF 11 |

| REVISION RECORD |         |           |       |
|-----------------|---------|-----------|-------|
| LTR             | ECO NO: | APPROVED: | DATE: |
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|                 |         |           |       |
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|                 |         |           |       |



AVR1550 MAIN B'D - INPUT  
SCHEMATIC DIAGRAM

|                  |                       |                                                       |       |             |      |
|------------------|-----------------------|-------------------------------------------------------|-------|-------------|------|
|                  |                       | COMPANY:                                              |       |             |      |
|                  |                       | TITLE:<br><br>AVR1550 MAIN<br><br>AUDIO/C-VIDEO PARTS |       |             |      |
| DRAWN:           | DATED:<br>2001.06.11. |                                                       |       |             |      |
| CHECKED:         | DATED:                |                                                       |       |             |      |
| QUALITY CONTROL: | DATED:                |                                                       |       |             |      |
| RELEASED:        | DATED:                | CODE:                                                 | SIZE: | DRAWING NO: | REV: |
| SCALE:           |                       |                                                       |       |             |      |



AVR1500-main-0129MP.sch-2 - Thu Oct 17 11:08:43 2002

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4

3

2

1

D

VID1

C

VID1-REC

VID2

B

A

REVISION RECORD

| LTR | ECO NO: | APPROVED: | DATE: |
|-----|---------|-----------|-------|
|     |         |           |       |
|     |         |           |       |
|     |         |           |       |
|     |         |           |       |

VIDEO PARTS

PROCESSOR PARTS

AVR1550 MAIN B'D – PROCESSOR SCHEMATIC DIAGRAM

DRAWN:

CHECKED:

QUALITY CONTROL:

RELEASED:

DATED:

DATED:

DATED:

DATED:

2001.06.11.

COMPANY:

TITLE:

AVR1550 MAIN PROCESSOR/S-VIDEO PARTS

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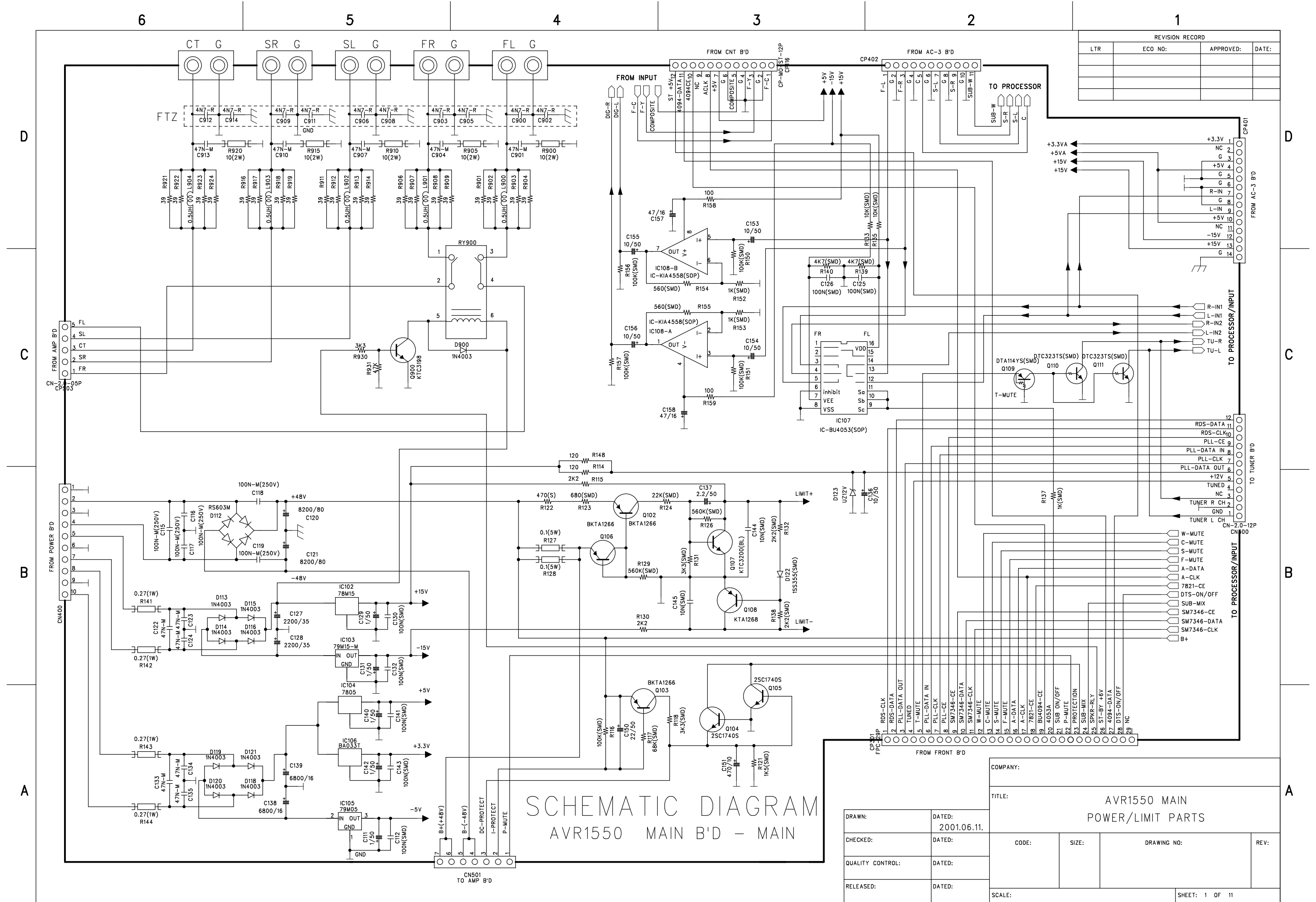
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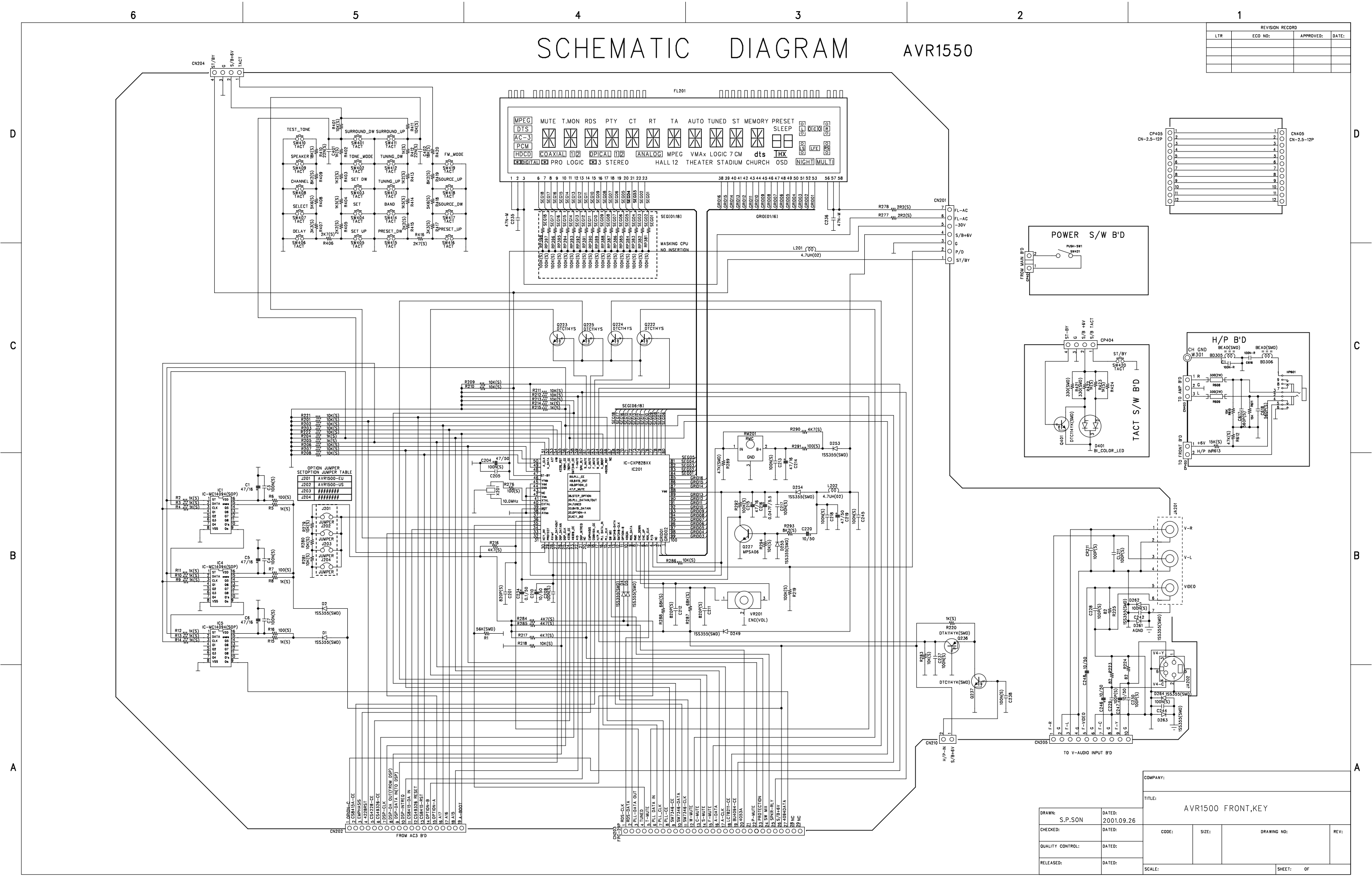
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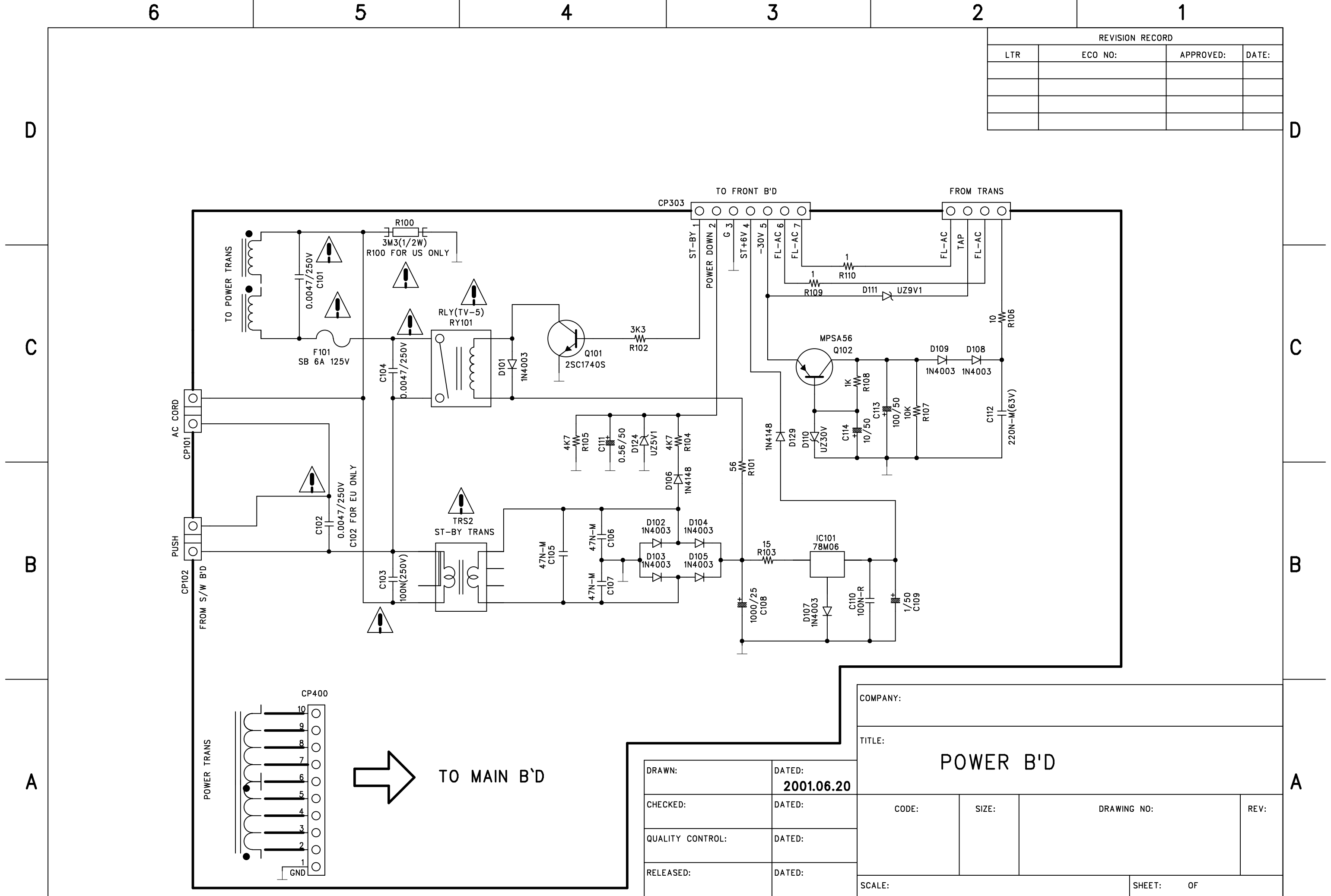
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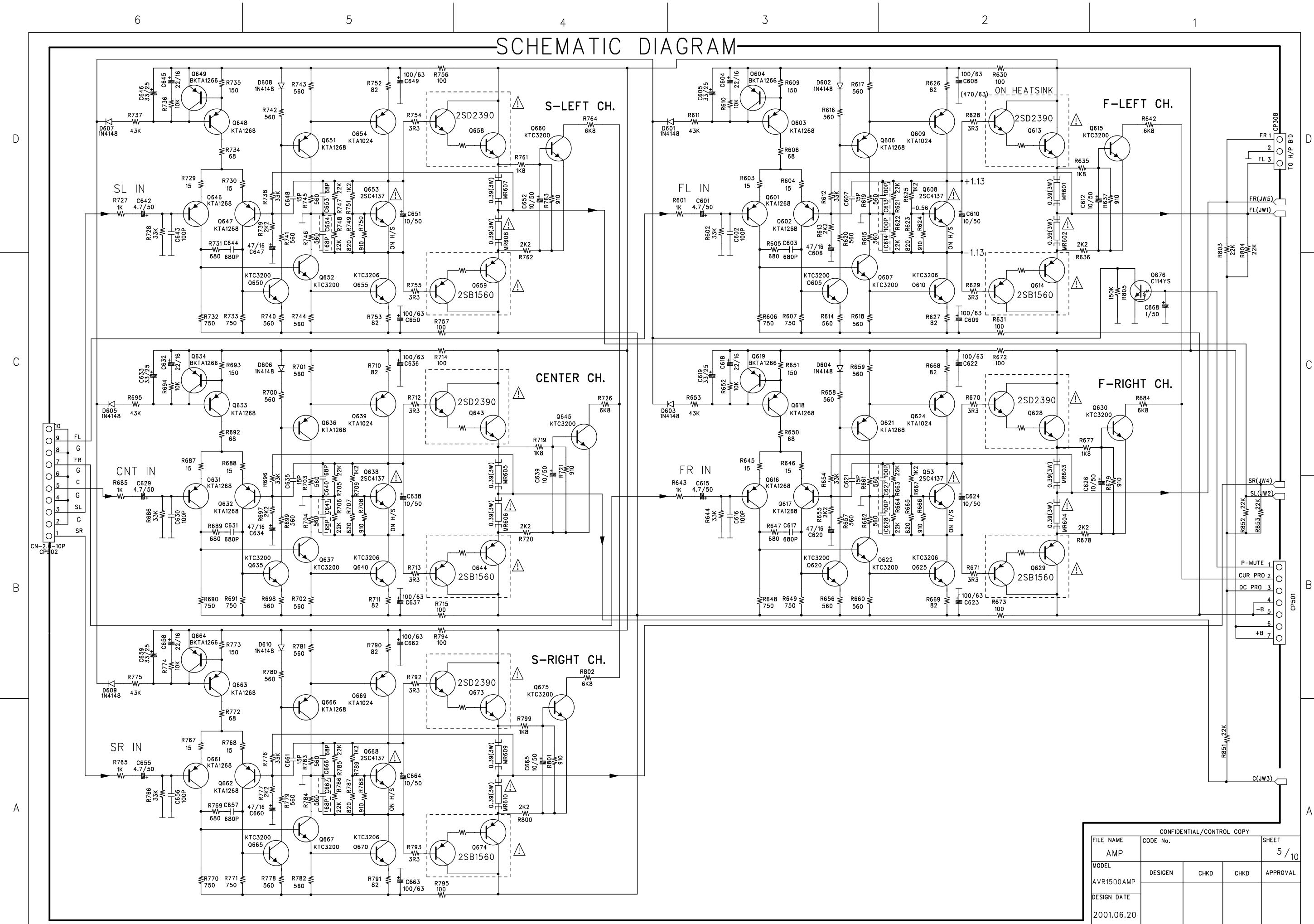
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SHEET: 3 OF 11





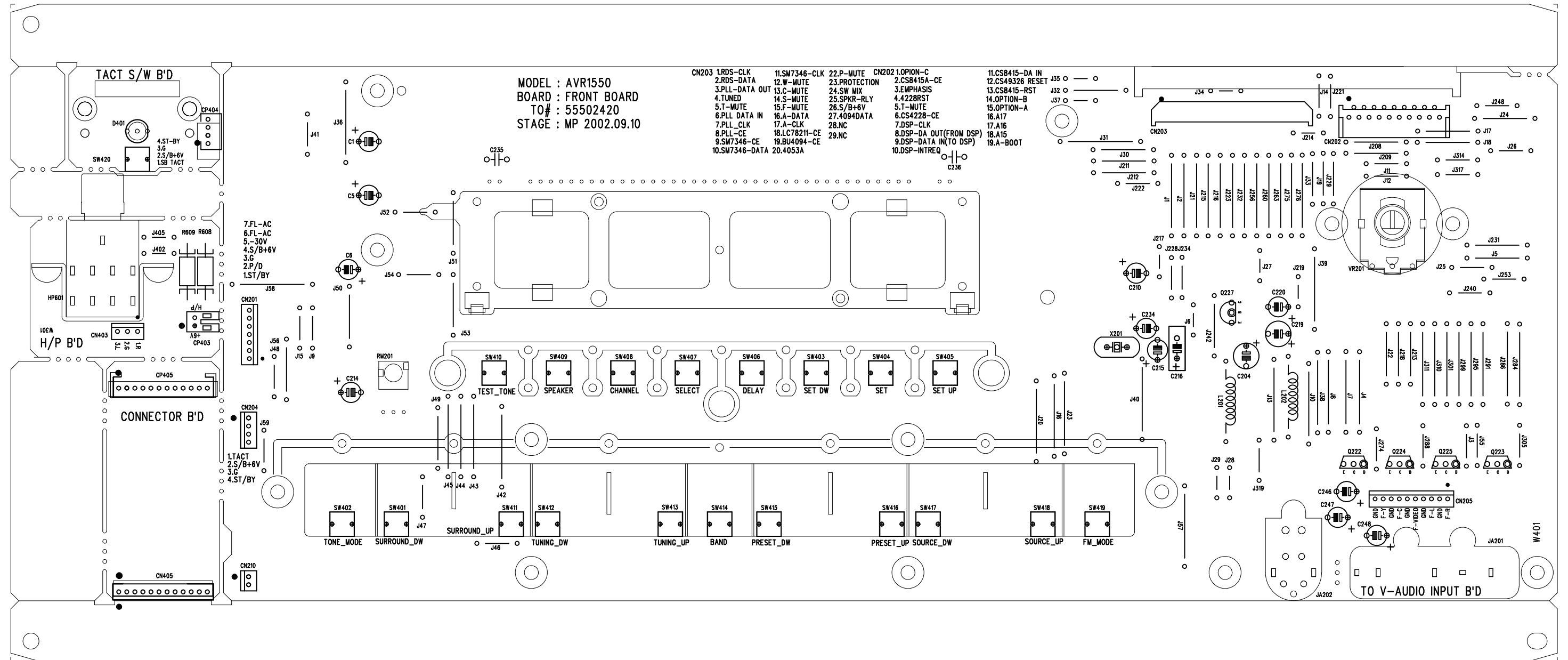




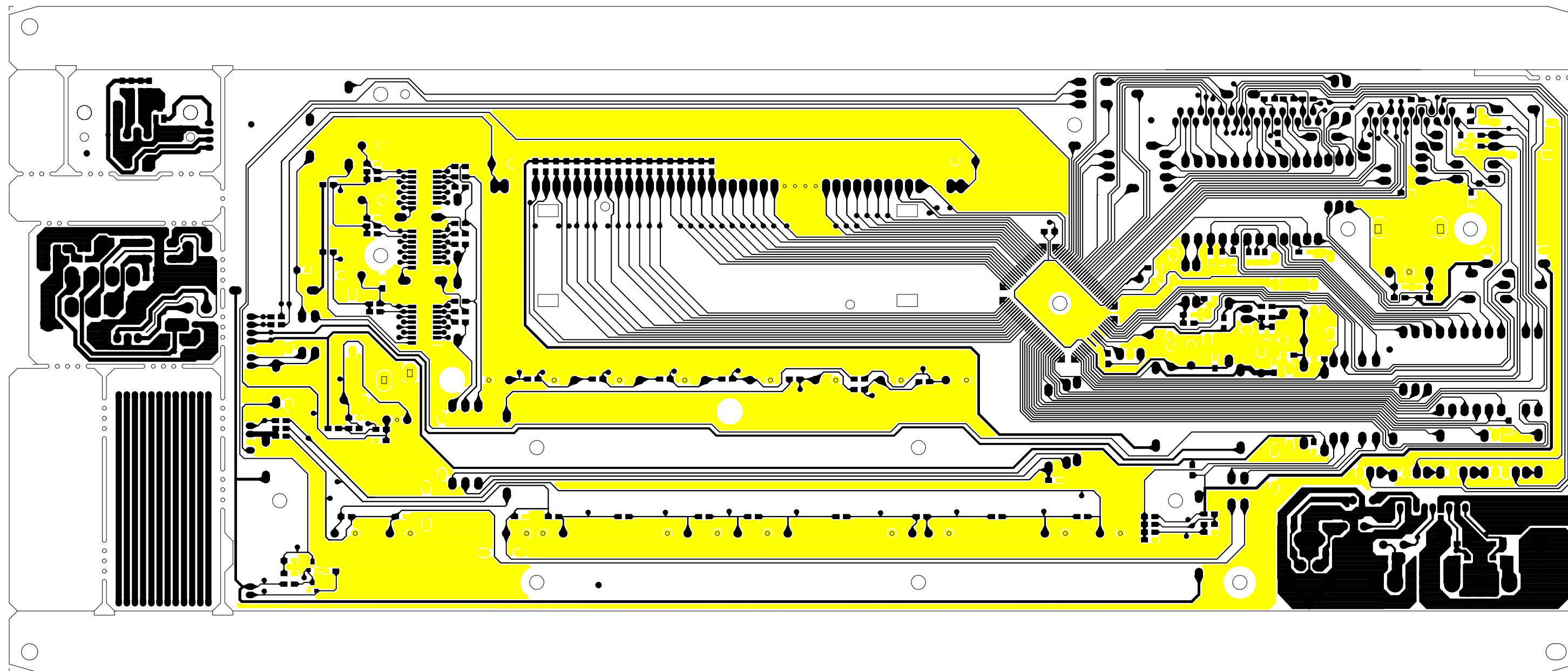
MODEL : AVR1550  
BOARD : FRONT BOARD  
TO# : 55502420  
STAGE : MP 2002.09.10

|                 |               |               |                        |
|-----------------|---------------|---------------|------------------------|
| CN203 1.RDS-CLK | 11.SM7346-CLK | 22.P-MUTE     | CN202 1.OPION-C        |
| 2.RDS-DATA      | 12.W-MUTE     | 23.PROTECTION | 2.CS8415A-CE           |
| 3.PLL-DATA OUT  | 13.C-MUTE     | 24.SW MIX     | 3.EMPHASIS             |
| 4.TUNED         | 14.S-MUTE     | 25.SPKR-RLY   | 4.4228RST              |
| 5.T-MUTE        | 15.F-MUTE     | 26.S/B+6V     | 5.T-MUTE               |
| 6.PLL DATA IN   | 16.A-DATA     | 27.4094DATA   | 6.CS4228-CE            |
| 7.PLL_CLK       | 17.A-CLK      | 28.NC         | 7.DSP-CLK              |
| 8.PLL-CE        | 18.LC78211-CE | 29.NC         | 8.DSP-DA OUT(FROM DSP) |
| 9.SM7346-CE     | 19.BU4094-CE  |               | 9.DSP-DATA IN( TO DSP) |
| 10.SM7346-DATA  | 20.4053A      |               | 10.DSP-INTREQ          |

|                 |                  |
|-----------------|------------------|
| 11.CS8415-DA IN | 12.CS49326 RESET |
| 13.CS8415-RST   | 14.OPTION-B      |
| 15.OPTION-A     | 16.A17           |
| 17.A16          | 18.A15           |
| 19.A-BOOT       |                  |



CSILK SIDE



PATTEN SIDE

