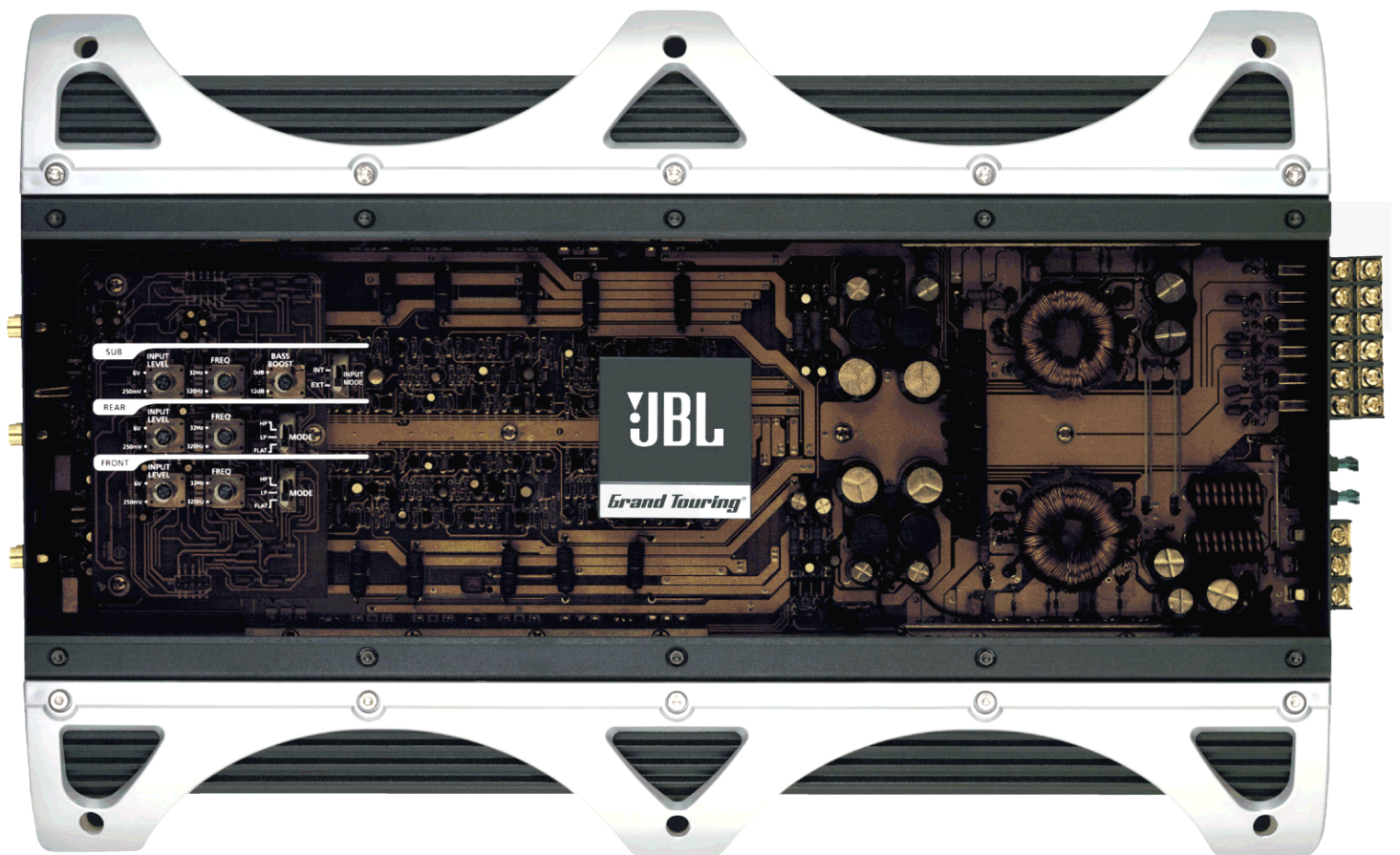


JBL

GTO Series 755.6 755.6II

6 CHANNEL POWER AMPLIFIERS

SERVICE MANUAL



JBL Consumer Products
250 Crossways Park Dr.
Woodbury, New York 11797

Rev4 3/2009

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GTO 755.6/ GTO 755.6II Specifications

| | |
|---------------------------|---|
| Output Power: | 60W RMS x 4 channels; 107W RMS x 2 channels |
| (14.4V supply) | @ 4 ohms; ≤1% THD + N |
| | 80W RMS x 4 channels; 150W x 2 channels |
| | @ 2 ohms; ≤1% THD + N |
| | 160W RMS x 2 channels; 300W x 1 channel |
| | @ 4 ohms; ≤1% THD + N |
| Signal-to-noise ratio: | 79dBA (reference 1W into 4 ohms) |
| Dynamic power: | 117W (channels 1,2,3,4) @ 2 ohms |
| | 163W (channels 5,6) @ 2 ohms |
| Effective damping factor: | 6.39 @ 4 ohms |
| Frequency response: | 10Hz – 47kHz (–3dB) (channels 1,2,3,4) |
| | 10Hz – 302Hz (channels 5,6) |
| Maximum input signal: | 6.0V |
| Maximum sensitivity: | GTO 755.6 - 250mV |
| | GTO 755.6II - 75mV |
| DC Offset | <50mV (-50%) |
| Output regulation: | .042dB @ 4 ohms |
| Idle Current | 1.9A |
| Input Impedance | 22kΩ |
| Max Current Draw | 50A @ 4 ohms |
| | 89A @ 2 ohms |
| Dimensions: | 18 11/16 x 12 5/16 x 2 3/8" (L x W x D) |
| | (474mm x 313mm x 60mm) |
| Fuses: | 30A x 2 |

features

- 4-Channel Operation
- Advanced MOSFET Oversized Floating Rail Power Supply
- Floating Ground Factory – Head – Unit Speaker – Level input
- Variable Input Sensitivity (250mV – 6V)
- Fully Complementary Output Stage with Class-AB Voltage Amplification
- Gold-plated Power, Input and Output Connectors
- 2-Ohm Stable (Stereo)

Test Conditions and Notes

- All tests to be done, unless otherwise specified, from 10Hz to 47KHz and 302Hz at 14.4V DC into 4 ohm loads and adjust the units gain so that with a .775 volt input signal the unit is at its maximum rated output. All measurements will be done using an Audio precision system one and the supply voltage.
- An A+ line voltage of 14.4V DC shall be applied to the unit under test for all measurements unless otherwise specified. The voltage applied to the unit shall be measured at the power connection on the Amplifier.
- Signal Source
Unless otherwise specified, all tests shall be conducted with the Audio Signal Generator output configured to be balanced, less than or equal to 50 ohm source impedance, and floating. The signal source "GND" shall be connected to the Amplifier PWR GND at the Amplifier.
- Output Load
Unless otherwise specified, all tests shall be conducted with 4 ohm resistive loads having less than 10% reactive components at any frequency below 47KHz and 302Hz. Each resistor shall have a value that remains within 1% while dissipating the rated output of the unit under test.
- Power Indicator Green LED steadily illuminates for normal operation. Illuminates up Red LED blinks when protection circuitry is engaged, and during power up.

INSTALLATION

WARNING: Playing loud music in an automobile can hinder your ability to hear traffic and permanently damage your hearing. We recommend listening at low or moderate levels while driving your car. JBL accepts no liability for hearing loss, bodily injury or property damage resulting from the use or misuse of this product.

IMPORTANT: To get the best performance from your JBL Grand Touring® Series amplifiers, we strongly recommend that installation be entrusted to a qualified professional. Although these instructions explain how to install GTO amplifiers in a general sense, they do not show specific installation methods that may be required for your particular vehicle. If you do not have the necessary tools or experience, do not attempt the installation yourself. Instead, please ask your authorized JBL car audio dealer about professional installation.

INSTALLATION WARNINGS AND TIPS

- Always wear protective eyewear when using tools.
- Turn off the audio system and other electrical devices before you start. Disconnect the (–) negative lead from your vehicle's battery.
- Check clearances on both sides of a planned mounting surface before drilling any holes or installing any screws. Remember that the screws can extend behind the surface.
- At the installation sites, locate and make a note of all fuel lines, hydraulic brake lines, vacuum lines and electrical wiring. Use extreme caution when cutting or drilling in and around these areas.

- Before drilling or cutting holes, use a utility knife to remove unwanted fabric or vinyl to keep material from snagging in a drill bit.
- When routing cables, keep input-signal cables away from power cables and speaker wires.
- When making connections, make certain they are secure and properly insulated.
- If the amplifier's fuse must be replaced, use only the same type and rating as that of the original. Do not substitute another kind.

CHOOSING A LOCATION AND MOUNTING THE AMPLIFIER

Choose a mounting location in the trunk or cargo area where the amplifier will not be damaged by shifting cargo. Amplifier cooling is essential for proper amplifier operation. If the amplifier is to be installed in an enclosed space, make sure there is sufficient air circulation for the amplifier to cool itself.

When mounting the amplifier under a seat, ensure that it is clear of all moving seat parts and does not affect the seat adjustments. Mount the amplifier so it is not damaged by the feet of backseat passengers. Make sure that the amplifier is mounted securely using nuts and bolts or the supplied mounting screws.

Mount the amplifier so that it remains dry – never mount an amplifier outside the vehicle or in the engine compartment.

POWER CONNECTIONS

The GTO amplifiers are capable of delivering extremely high power levels, and require a heavy-duty and reliable connection to the vehicle's electrical system in order to perform optimally. See Figure 1 for connection location. Please adhere to the following instructions carefully:

Ground Connection

Connect the amplifier's Ground (GND) terminal to a solid point on the vehicle's metal chassis, as close to the amplifier as possible. Refer to the chart below to determine minimum wire-gauge size. Scrape away any paint from this location; use a star-type lock washer to secure the connection.

Power Connection

Connect a wire (see chart at right for appropriate gauge) directly to the vehicle's positive battery terminal, and install an appropriate fuse holder within 18" of the battery terminal. *Do not install the fuse at this time.* Route the wire to the amplifier's location, and connect it to the amplifier's Positive (+12V) terminal. Be sure to use appropriate grommets whenever routing wires through the firewall or other sheet metal. *Failure to adequately protect the positive wire from potential damage may result in a vehicle fire.* When you are done routing and connecting this wire, you may install the fuse at the battery.

Remote Connection

Connect the amplifier's Remote (REM) terminal to the source unit's Remote Turn-On lead using a minimum of 18-gauge wire.

NOTE: When using the speaker level inputs, connect the remote (REM) terminal to the source unit. If your source unit does not have a remote turn-on connection, connect the amplifier's (REM) terminal to the vehicle's accessory circuit.

Speaker Connections

Refer to the application guides on the pages that follow. Speaker connections should be made using a minimum of 16-gauge wire.

High-Level Input Connections

The GTO series amplifiers are equipped with speaker-level inputs that allow you to add an amplifier to head units that do not have RCA line outputs. The speaker outputs for the source unit should be connected to the amplifier using the supplied connector (square four-wire plug). Remember to check for proper polarity.

NOTE: When using the high-level inputs, the AUX outputs can be used to pass a line-level signal to another amplifier.

Wire Gauge Chart

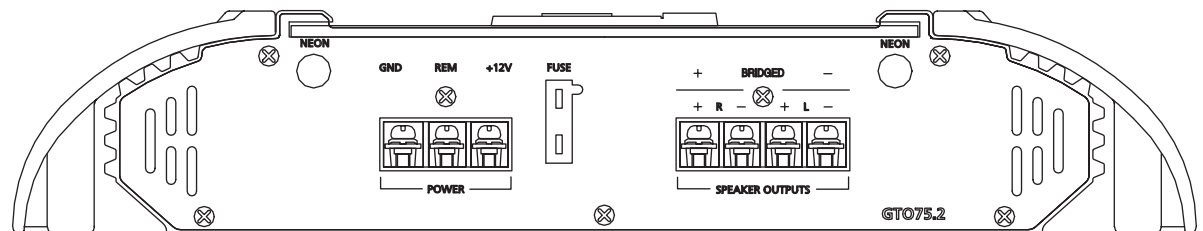
| Amplifier Model | Maximum Current Draw | Minimum Wire Gauge |
|-----------------|----------------------|--------------------|
|-----------------|----------------------|--------------------|

| | | |
|----------|-----|--------|
| GTO755.6 | 87A | #8 AWG |
|----------|-----|--------|

These recommendations assume 7' – 10' wire runs. If your installation differs markedly, you will need to adjust the wire gauge accordingly.

IMPORTANT NOTE: If you are planning to use optional neon tubes, install them before making any electrical connections to the amplifier (refer to "Installing Neon Tubes").

Figure 1. Terminal connection end plate.



CONNECTIONS – GTO755.6/755.6II

The GTO755.6/755.6II can be configured for 6-channel, 5-channel or 3-channel operation, as shown in **Figures 9 through 11**.

INPUT MODE switch:

- Use INT (internal mode) to send a signal from the front and rear inputs to the subwoofer.
- Use EXT (external mode) when sending a dedicated signal to the subwoofer inputs; e.g., if your source unit has a subwoofer output.

NOTE: For simplicity, Figures 9 through 11 do not show power, remote and input connections.

NOTE: Minimum speaker impedance for stereo operation is 2 ohms. Minimum speaker impedance for bridged operation is 4 ohms.

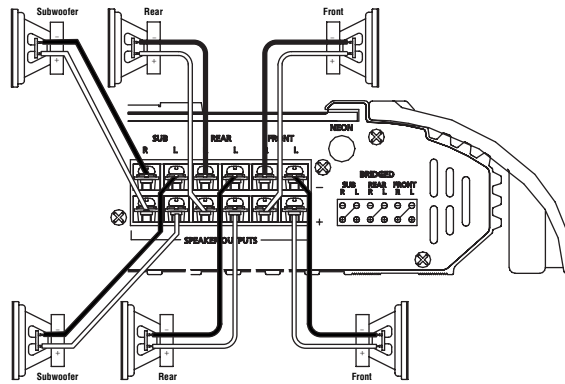


Figure 9. 6-Channel operation: GTO755.6/755.6II amplifier driving full-range front and rear speakers and a pair of subwoofers.

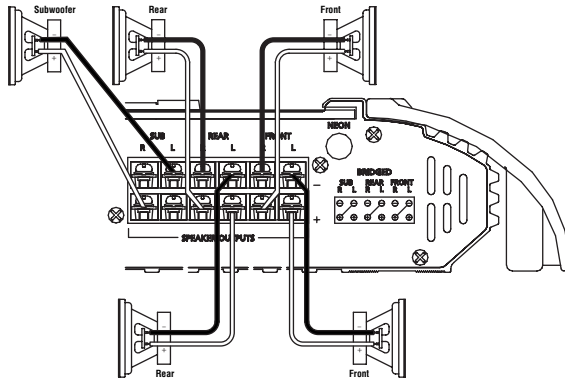
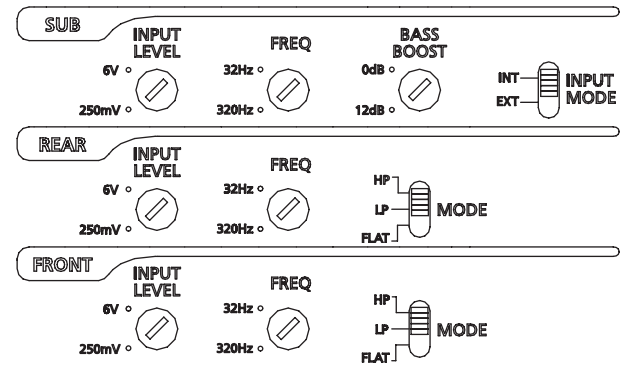


Figure 10. 5-Channel operation: The same as Figure 9, with the subwoofer output bridged to drive a single 4-ohm subwoofer, providing the speaker with more power.

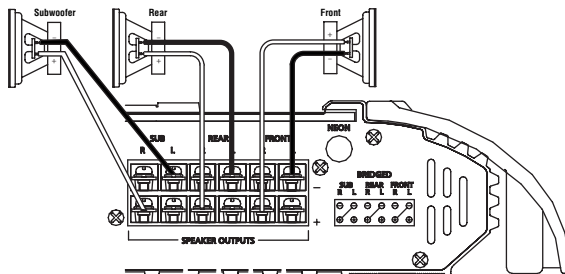
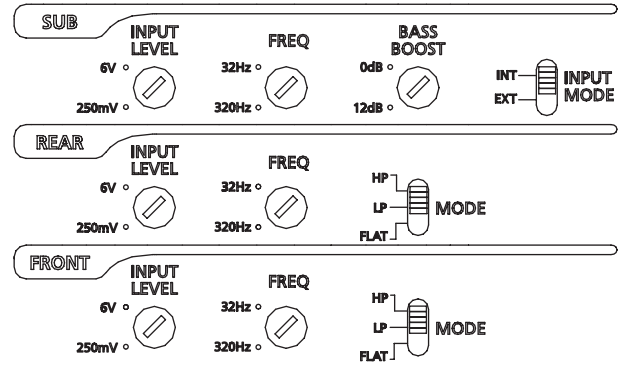
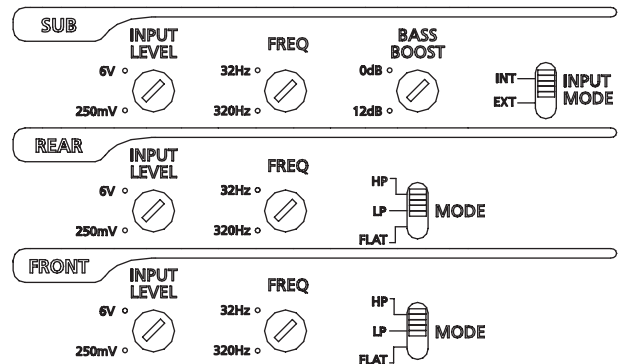
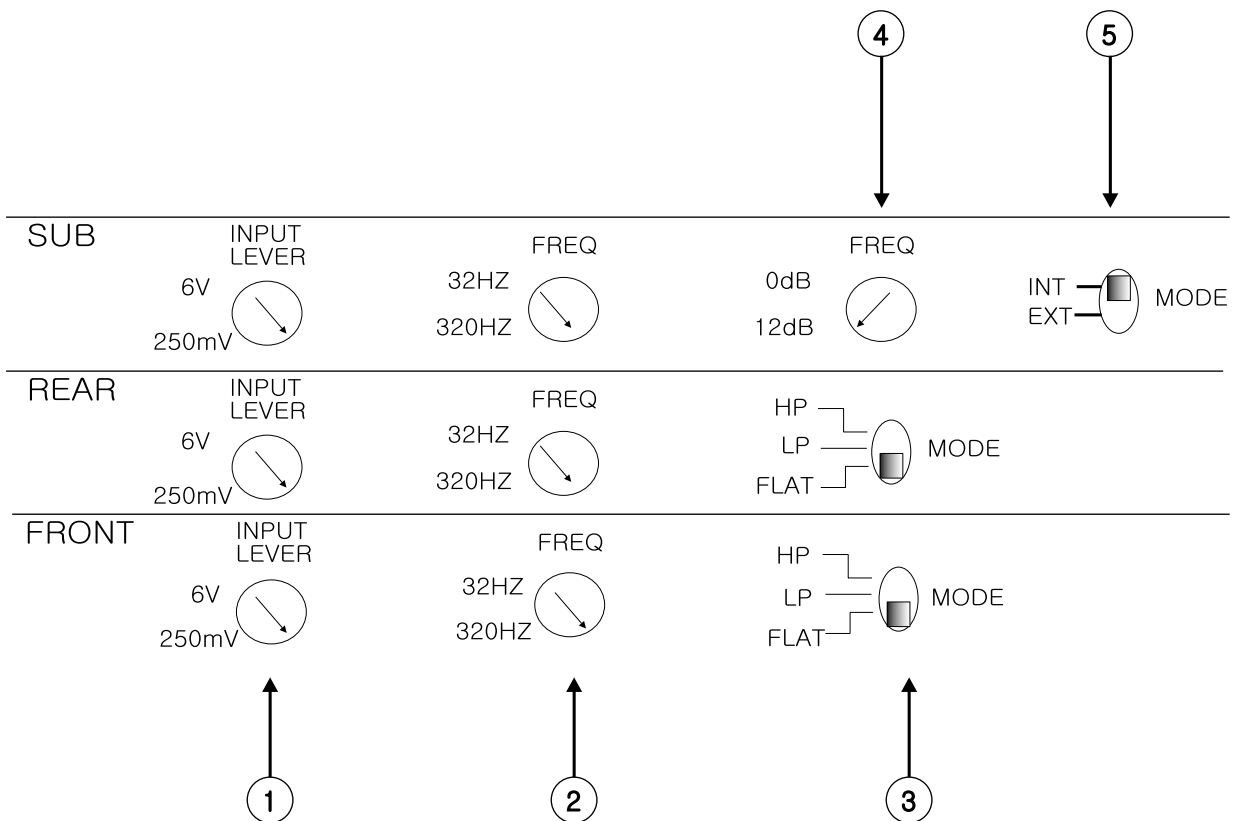


Figure 11. 3-Channel operation: GTO755.6/755.6II amplifier configured for 3-channel operation, where all of the channels are bridged for a subwoofer and a pair of component speakers.



Controls and Connections

TOP CONTROL



1. Input-Level Control – Adjusts input sensitivity for pre-amp level and speaker level inputs.
2. The crossover frequency can be set at any frequency between 32Hz and 320Hz.
3. This switch allows these two amplifier channels to play full range, low pass, or high pass
4. The bass boost control will provide up to 12dB of boost At 50Hz.
5. Switch for selecting INT or EXT mode

INSTALLATION AND SETUP

SETTING THE CROSSOVER(S)

Determine your system plans and set the crossover mode switch accordingly.

Initially set the crossover frequency control midway. While listening to music, adjust the crossover for the least perceived distortion from the speakers, allowing them to reproduce as much bass as possible.

Systems using a separate subwoofer set the crossover mode to HP (high pass) for your full-range speakers. Adjust the crossover frequency to limit bass and provide increased system volume with less distortion.

For subwoofers, choose the highest frequency that removes vocal information from the sound of the subwoofer.

SETTING INPUT SENSITIVITY

1. Initially turn the INPUT LEVEL control(s) to minimum (counter clockwise).
2. Reconnect the (–) negative lead to the vehicle's battery. Apply power to the audio system and play a dynamic music track.
3. On the source unit, increase the volume control to 3/4 volume. Slowly increase the INPUT LEVEL control(s) toward three o'clock until you hear slight distortion in the music. Then reduce the INPUT LEVEL slightly until distortion is no longer heard.

NOTE: After the source unit is on, red LEDs (on the top panel) will light, indicating the amplifier is on. If not, check the wiring, especially the remote connection from the source unit. Also refer to "Troubleshooting" on the next page.

REMOTE LEVEL CONTROL

All GTO subwoofer amplifiers have inputs for an optional remote level control (RLC). This will allow the amplifier's input level to be adjusted from the listening position. Connect the optional remote level control using the RJ-11 jack on the side of the amplifier. Install the control module in the front of the vehicle within easy reach of the driver. Under the dash or in the center console are both suitable locations.

SETTING THE BASS BOOST

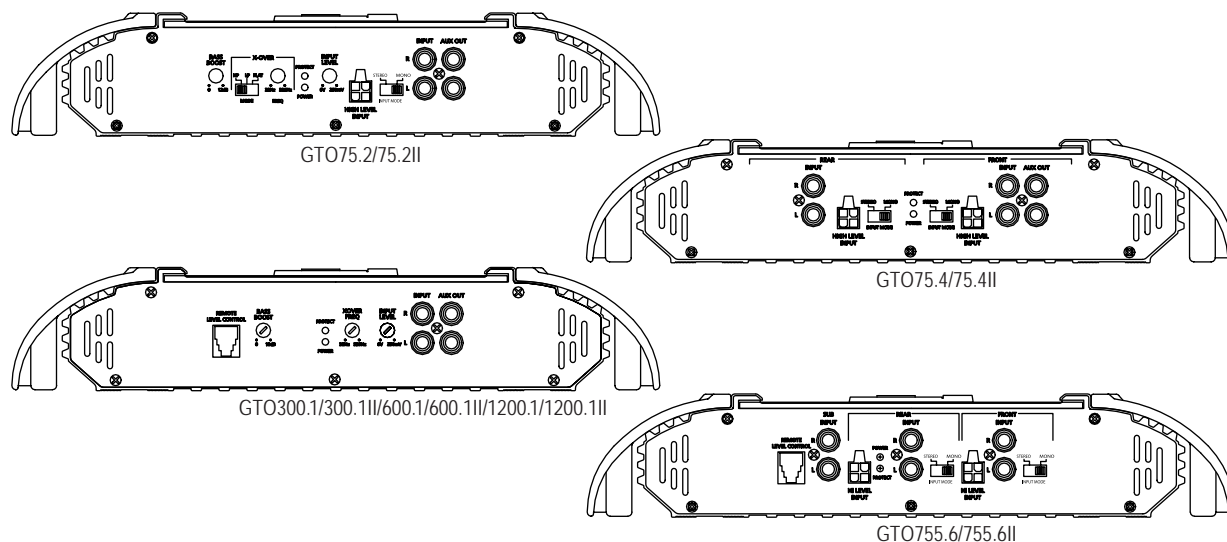
The GTO755.6/755.6II is equipped with a bass-boost control. This allows you to adjust the bass output of your system at 50Hz up to 12dB and enhance low frequency.

INSTALLING NEON TUBES (OPTIONAL)

1. Using a Phillips screwdriver, remove all screws on the amplifier's output/power end panel and set them aside.
2. Using a 3/32-inch Allen wrench, remove only the screws on the amplifier's (top) clear cover and set them aside.
3. Remove the end panel and slide the cover off. Set both parts aside.
4. Locate the enclosed hardware bag and remove the four clips. Each clip has a square end and a larger round end. Using a round end, press two clips onto each neon tube (e.g., Street Glow AN9 or equivalent), as shown in **Figure 13**.
5. For each tube, align both clips so the square ends slide onto an exposed extrusion edge, as shown in Figure 9. Do not cover any screw holes. When installed correctly, each neon tube will sit under an extrusion and not be visible when viewed from directly above.
6. Route each neon tube's power cable through its respective NEON hole on the end panel (see **Figure 13**).
7. Slide the cover back into place and re-install its screws. Then, replace the end panel and reinstall its screws.
8. Finish the installation of the neon tubes as instructed in their owner's manual.

NOTE: The subwoofer output of the GTO755.6 is low-pass only and does not have a crossover mode switch.

Figure 12. Control end panel.



INSTALLATION AND SETUP

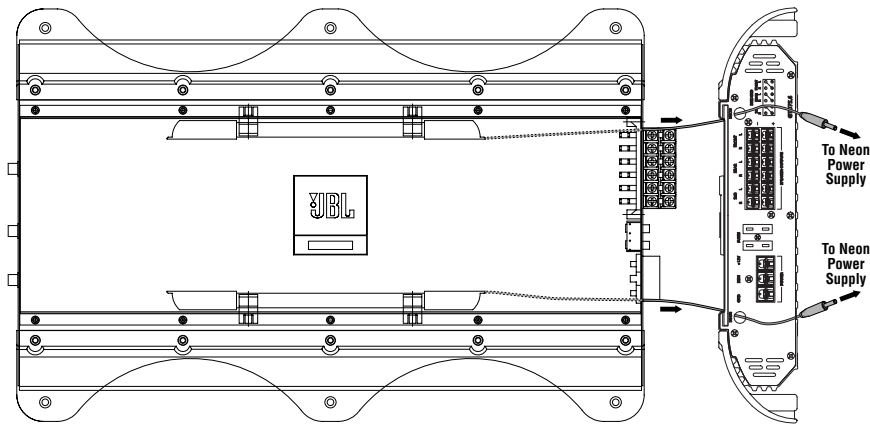
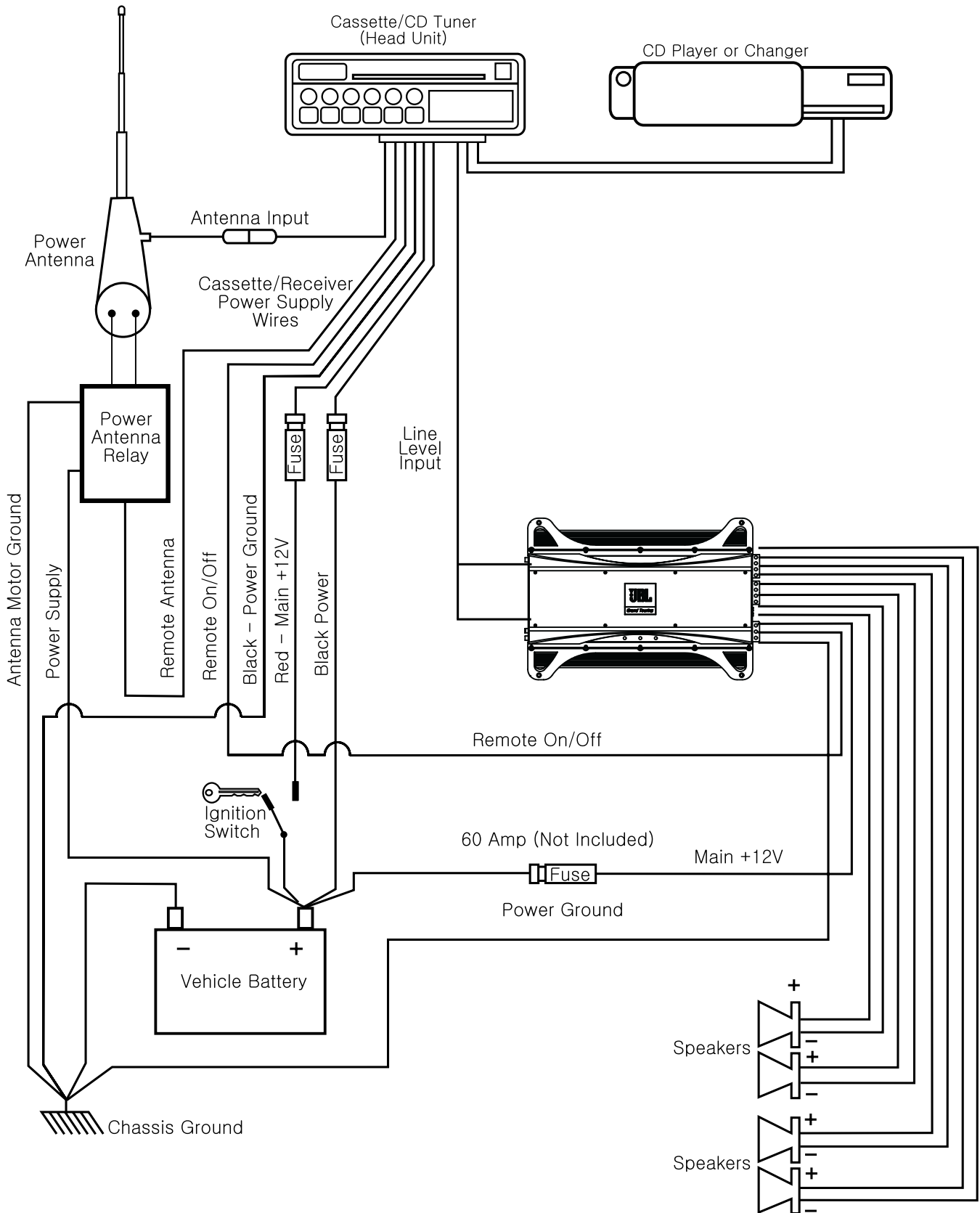


Figure 13. Installing neon tubes in a JBL GTO amplifier.

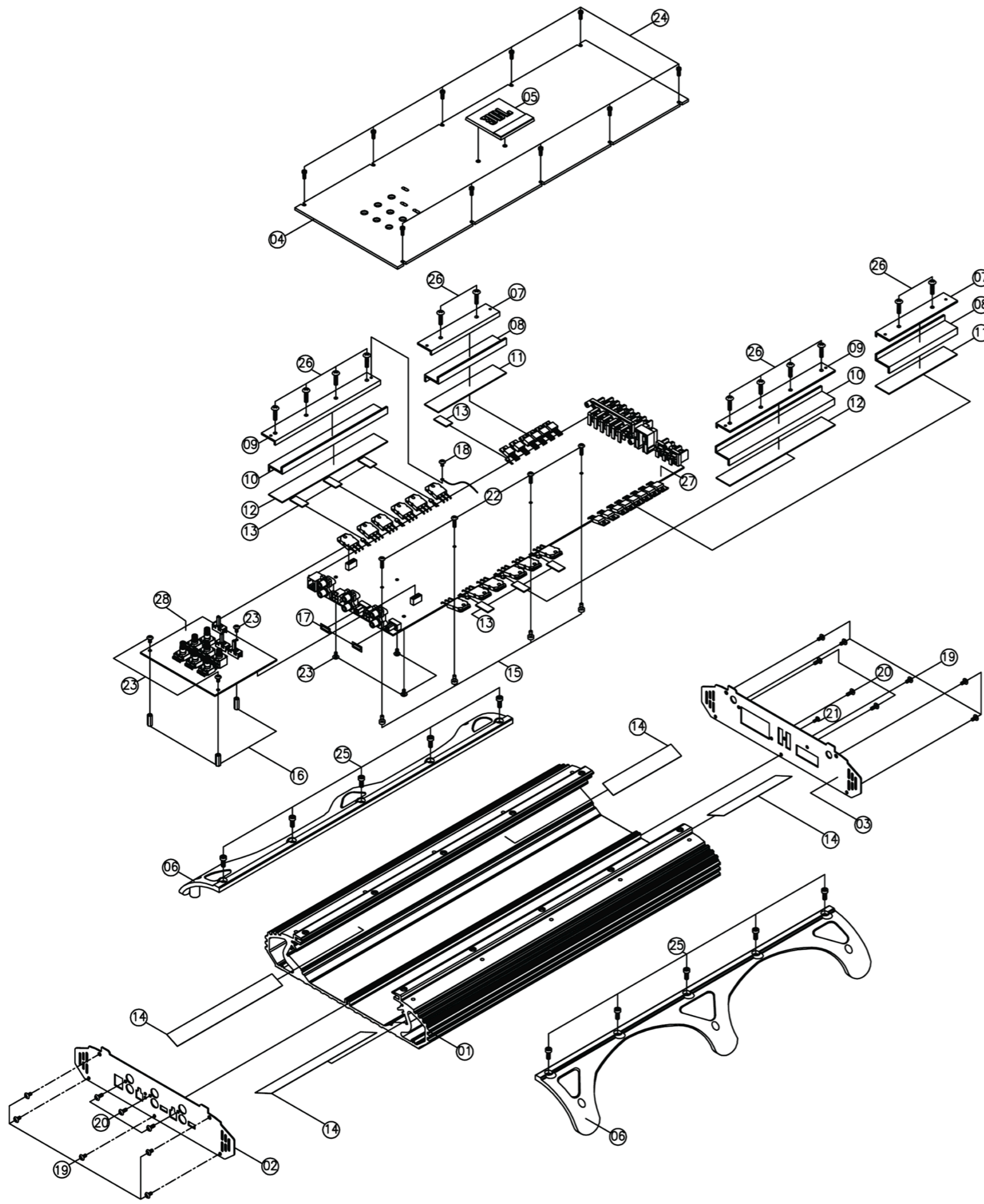
TROUBLESHOOTING

| SYMPTOM | LIKELY CAUSE | SOLUTION | SYMPTOM | LIKELY CAUSE | SOLUTION |
|--|--|---|---|---|---|
| No audio (POWER LED is off) | No voltage at BATT+ or REM terminals, or bad or no ground connection | Check voltages at amplifier terminals with VOM | No audio (PROTECT LED is on) | Voltage more than 16V or less than 8.5V on BATT+ connection | Check vehicle charging system for defective voltage regulator |
| No audio (PROTECT LED flashes every 4 seconds) | DC voltage on amplifier output | Amplifier may need service; see enclosed warranty card for service information | Distorted audio | Input sensitivity is not set properly, or amplifier or source unit is defective | Check INPUT LEVEL setting; or check speaker wires for shorts or grounds |
| No audio (PROTECT LED is on) | Amplifier is overheated | Make sure amplifier cooling is not blocked at mounting location; verify speaker system impedance is within specified limits (see "Specifications" on the next page) | Distorted audio and PROTECT LED flashes | Short circuit in speaker or wire | Remove speaker leads one at a time to locate shorted speaker or wire, then repair |
| No audio (PROTECT and POWER LEDs flash) | Voltage less than 9V on BATT+ connection | Check vehicle charging system for defective voltage regulator | Music lacks "punch" | Speakers are not connected properly | Check speaker connections for proper polarity |

Typical System Configuration



A
B
C
D
E



| REVISIONS | | | |
|-----------|-------------|------|-------|
| REV | DESCRIPTION | DATE | APRVD |
| △ | | | |
| △ | | | |
| △ | | | |

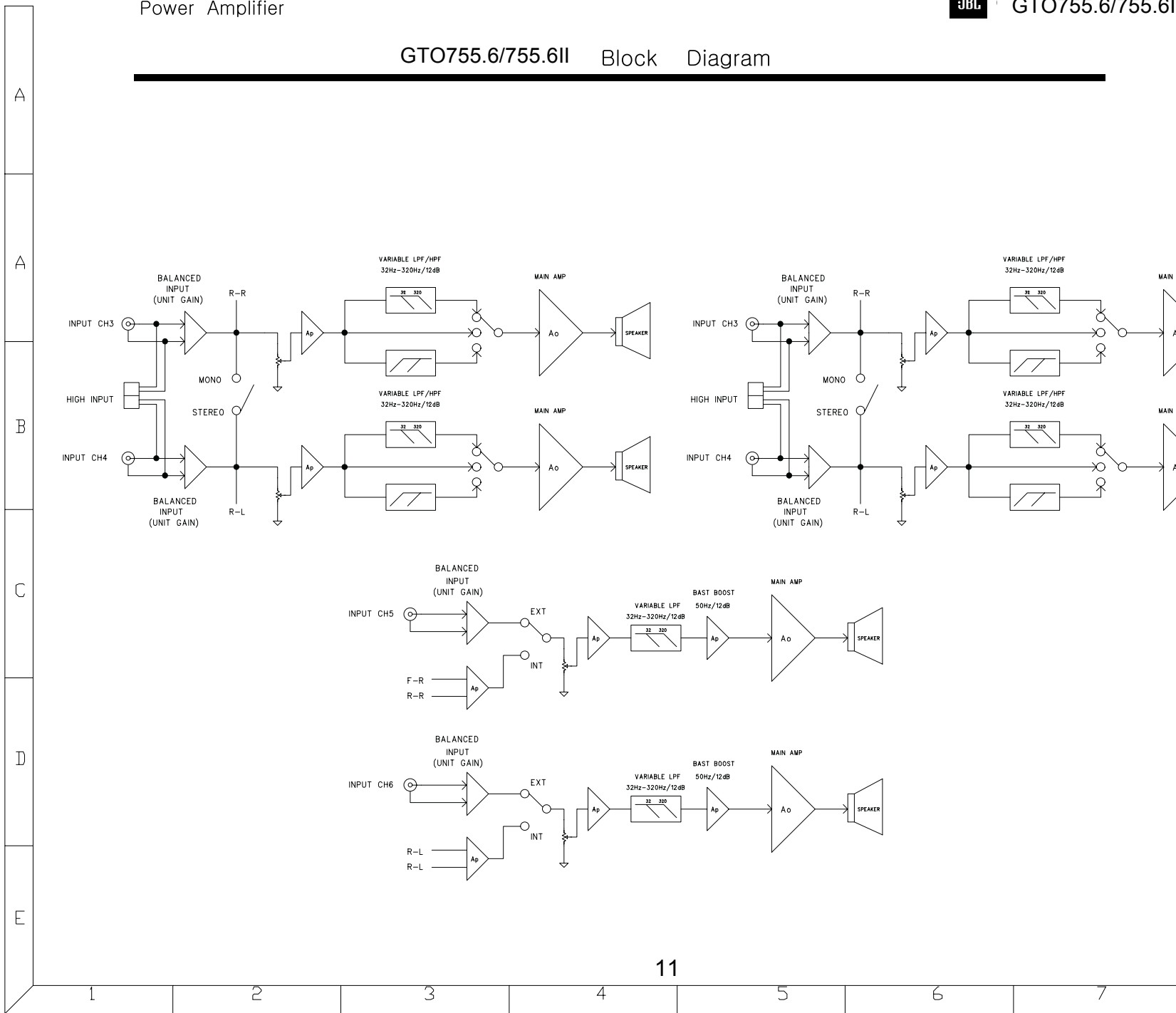
| | | | | | |
|----|-----------------------|--------------------------|----------------|-------|--------|
| 28 | SUB PCB ASS'Y | FR-4 ASS'Y | PAS312-01 | 1 | |
| 27 | MAIN PCB ASS'Y | FR-4 1.6t ASS'Y | PAM632-01 | 1 | |
| 26 | SCREW | SMP 4X14 NI | SC1-NP-40140 | 12 | |
| 25 | SCREW | SML 4X10 NI | SC1-NL-40100 | 10 | |
| 24 | SCREW | SML 3X8 BK | SC1-BL-30080 | 10 | |
| 23 | SCREW | SMB 3X6 NI | SC1-NB-30060 | 6 | |
| 22 | SCREW | STT2 BH 3X12 NI | SC5-NB-30120 | 4 | |
| 21 | SCREW | STT2 PH 3X8 BK | SC5-BP-30080 | 1 | |
| 20 | SCREW | STT2 BH 3X8 BK | SC5-BB-30080 | 6 | |
| 19 | SCREW | STT2 BH 3X6 Bk | SC5-BB-30060 | 10 | |
| 18 | SCREW | STT2 BH 3X5 NI | SC5-NB-30050 | 1 | |
| 17 | SWITCH DECAL | FELT, 15.0X7.0X0.3t | SUB-27-003A0 | 2 | |
| 16 | SUPPORT-PCB(B) | BSBM(북자), L=14.0mm | SUP-02-020A0 | 3 | |
| 15 | SUPPORT-PCB(A) | NYLON, L=4.8mm | SS-5 | 4 | |
| 14 | SILICON PAD | SP1000, 22.0X0.3t | SIL-34-001A0 | 600mm | |
| 13 | CUSHION-RUBBER | RUBBER, 10.0X20.0x1.6t | SUB-33-001A0 | 7 | |
| 12 | CUSHION-TR BRACKET(B) | FIBER, 170.0X22.0X1.0t | SUB-28-008A0 | 2 | |
| 11 | CUSHION-TR BRACKET(A) | FIBER, 110.0X22.0X1.0t | SUB-28-001A0 | 2 | |
| 10 | BRACKET-TR(D) | SBHG, 170.0X25.5X2.0t | BKT-11-006A0 | 2 | |
| 09 | BRACKET-TR(C) | SBHG, 170.0X22.5X2.0t | BKT-11-005A0 | 2 | |
| 08 | BRACKET-TR(B) | SBHG, 110.0X25.5X2.0t | BKT-11-002A0 | 2 | |
| 07 | BRACKET-TR(A) | SBHG, 110.0X22.5X2.0t | BKT-11-001A0 | 2 | |
| 06 | FOOT-MOUNTING | ABS(XR-401) | FOO-21-011AA | 2 | |
| 05 | BADGE | ABS(XR-401) | BAD-21-004AA | 1 | |
| 04 | WINDOW PLATE | ACRYLIC, 3.0t(L=469.5mm) | COV-22-020AAXX | 1 | |
| 03 | PANEL REAR (755.6) | EGI, 1.2t | PAN-06-254AA | 1 | |
| 03 | PANEL REAR (755.6II) | EGI, 1.2t | PAN-06-332AA | 1 | |
| 02 | PANEL FRONT | EGI, 1.2t | PAN-06-253AA | 1 | |
| 01 | HEAT SINK MAIN | AL/EXTRUSION(L=470.0mm) | HEA-01-157AA | 1 | |
| NO | PART NAME | DESCRIPTION | CODE NO. | Q'TY | REMARK |

| | | |
|----------|-------|--------------|
| NAME | | EXPLODE VIEW |
| CODE NO. | ISSUE | |

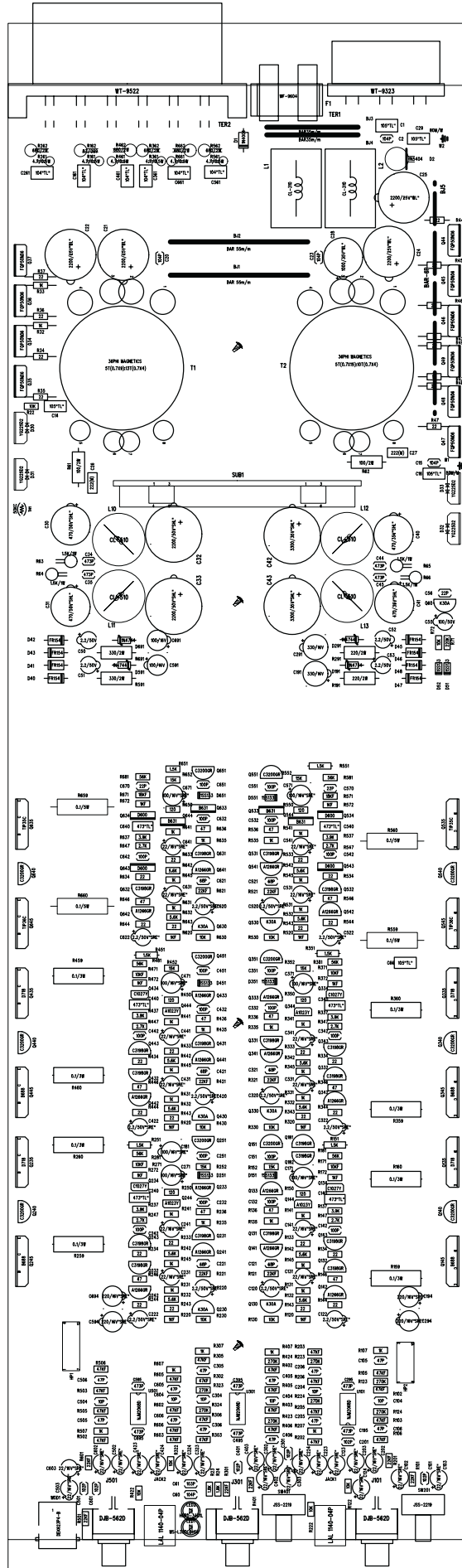
GTO755.6 Parts List

| PART NO. | NOMENCATURE | DESCRIPTION | MFR PARTS | Q'TY |
|-----------------|-----------------------|--------------------------|--------------------------|-------|
| HEA-0 1-157AA | HEAT SINK MAIN | AL/EXTRUSION(L=470.0mm) | W/Spray black color | 1 |
| PAN-06-253AA | PANEL FRONT | EGI, 1.2t | W/Painting & silkscreen | 1 |
| PAN-06-254AA | PANEL REAR (755.6) | EGI, 1.2t | W/Painting & silkscreen | 1 |
| PAN-06-332AA | PANEL REAR (755.6II) | EGI, 1.2t | W/Painting & silkscreen | 1 |
| COV-22-020AAXX | WINDOW PLATE | ACRYLIC, 3.0t(L=469.5mm) | W/Silkscreen | 1 |
| BAD-2 1-004AA | BADGE | ABS(XR-40 1) | W/Hot stamp & silkscreen | 1 |
| FOO -2 1-0 11AA | FOOT MOUNTING | ABS(XR-40 1) | W/Spray silkcolor | 2 |
| BKT- 14-523A0 | BRACKET LAMP | SK-5/BK | W/Heat treatment | 4 |
| BKT- 11-00 1A0 | BRACKET TR(A) | SBHG, 110.0x22.5x2.0t | | 2 |
| BKT- 11-002A0 | BRACKET TR(B) | SBHG, 110.0x25.5x2.0t | | 2 |
| BKT- 11-005A0 | BRACKET TR(C) | SBHG, 170.0x22.5x2.0t | | 2 |
| BKT- 11-006A0 | BRACKET TR(D) | SBHG, 170.0x25.5x2.0t | | 2 |
| SUB-28-00 1A0 | CUSHION TR BRACKET(A) | FIBER, 110.0x22.0x1.0t | | 2 |
| SUB-28-008A0 | CUSHION TR BRACKET(B) | FIBER, 170.0x22.0x1.0t | | 2 |
| SUB-33-00 1A0 | CUSHION RUBBER | RUBBER, 10.0x20.0x1.6t | | 7 |
| SIL-34-00 1A0 | SILICON PAD | SP 1000, 22.0x0.3t | | 600mm |
| SS-5 | SUPPORT PCB(A) | NYLON, L=4.8mm | | 4 |
| SUP-02-020A0 | SUPPORT PCB(B) | BSBM, L=14.0mm(NI) | SUB PCB | 3 |
| SUB-27-003A0 | SWITCH DECAL | FELT, 15.0x7.0x0.3t | | 2 |
| SUB-28-002A0 | PAPER SPACER(A) | FIBER, 200.0x6.0x0.5t | | 1 |
| SUB-28-5 19A0 | PAPER SPACER(B) | FIBER, 200.0x8.0x0.5t | | 2 |
| SC5-NB-30050 | SCREW | STT2 BH 3x5 NI | GROUND WIRE | 1 |
| SC5-BB-30060 | SCREW | STT2 BH 3x6 BK | SIDE PANEL + H/SINK | 10 |
| SC5-BB-30080 | SCREW | STT2 BH 3x8 BK | RCA(3), TERMINAL(3) | 6 |
| SC5-BP-30080 | SCREW | STT2 PH 3x8 BK | R/P + FUSE HOLDER | 1 |
| SC5-NB-30 120 | SCREW | STT2 BH 3x12 NI | PCB + HEAT SINK | 4 |
| SC 1-NB-30060 | SCREW | SMB 3x6 NI | SUB PCB !" | 6 |
| SC 1-BL-30080 | SCREW | SML 3x8 BK | WINDOW + H/SINK | 10 |
| SC 1-NL-40 100 | SCREW | SML 4x10 NI | FOOT + HEAT SINK | 10 |
| SC 1-NP-40 140 | SCREW | SMP 4x14 NI | BRACKET TR | 12 |
| SC4-NP-40250 | SCREW | STT 1 PH 4x25 NI | ACCESSORY | 6 |

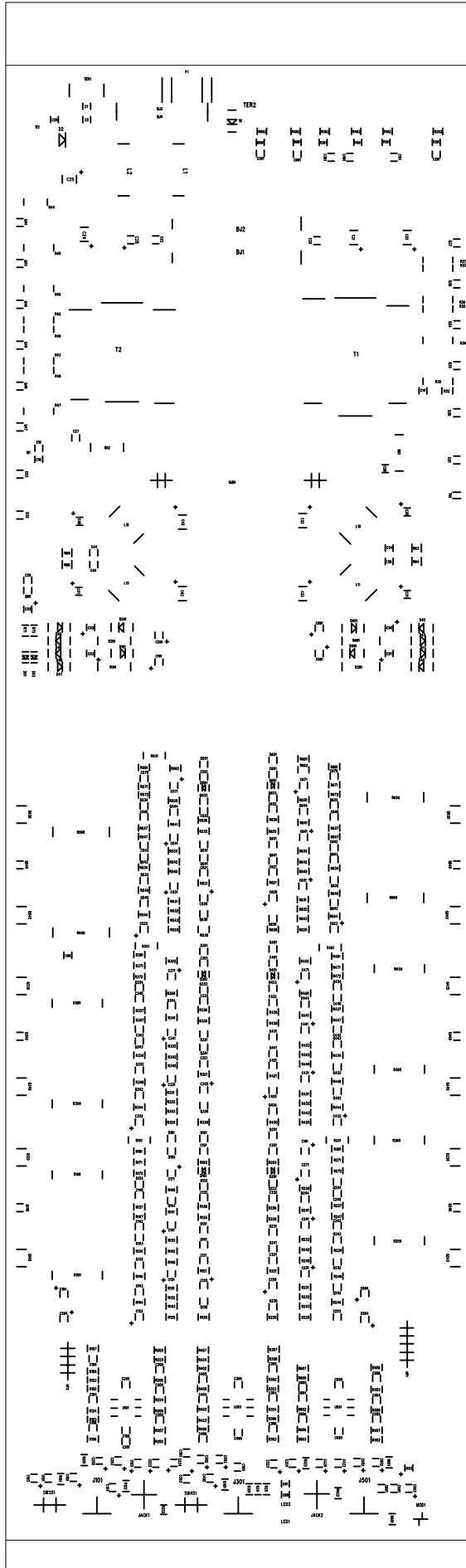
GTO755.6/755.6II Block Diagram



Printed Circuit Board (Top View)

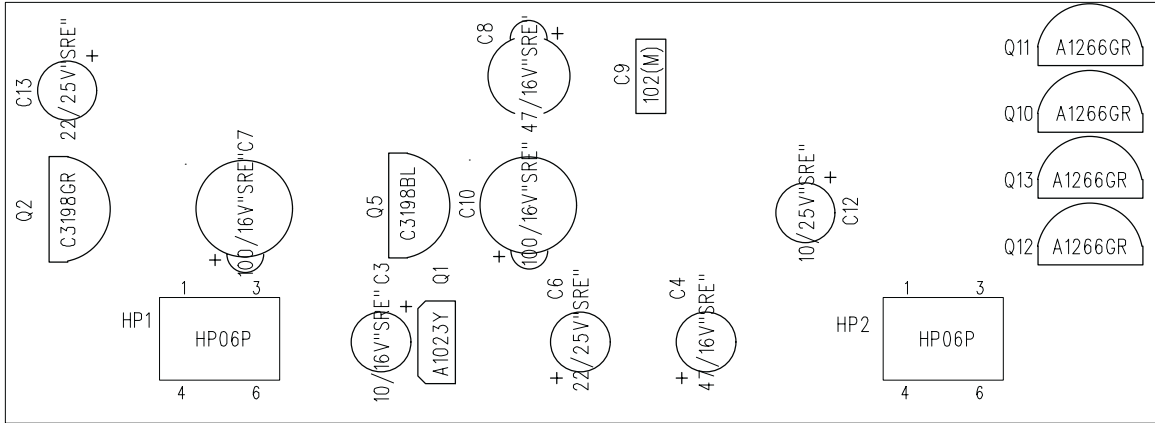


Printed Circuit Board (BOTTOM View)

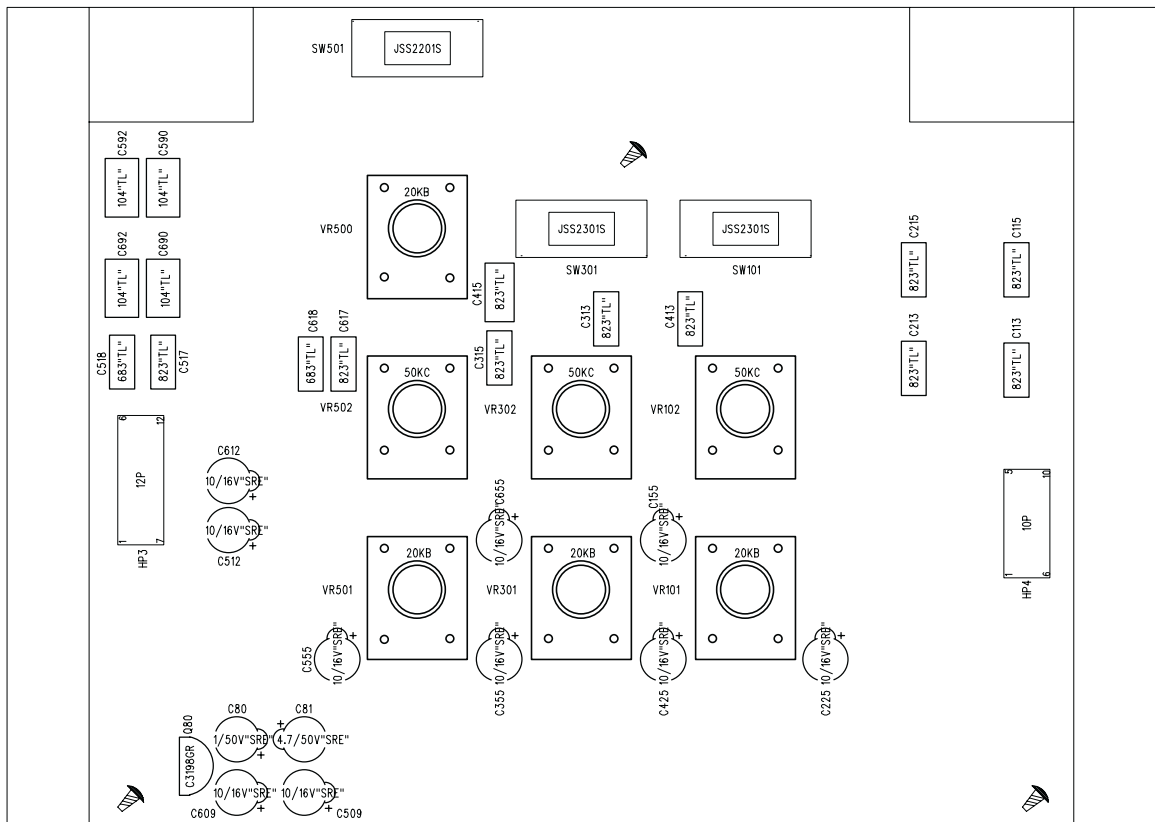


Printed Circuit Board (Top View)

PAS311-01

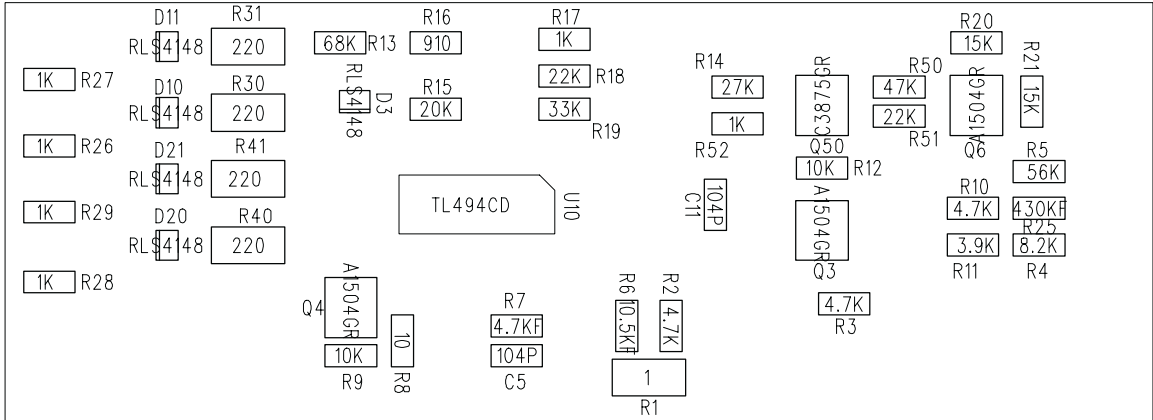


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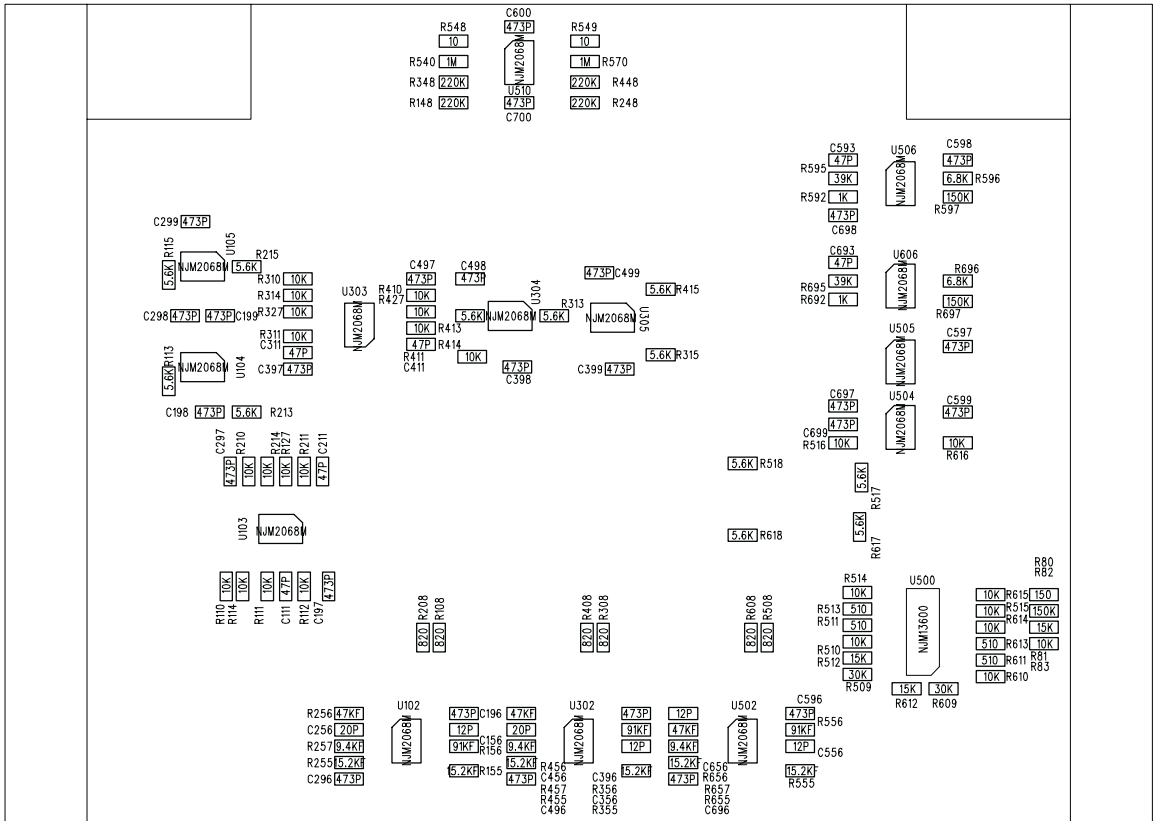


Printed Circuit Board (BOTTOM View)

PAS311-01



PAS312-01



GTO755.6 Parts List

| PART NO. | NOMENCATURE | DESCRIPTION | MFR PARTS | REF. NO | Q'TY |
|--------------|-------------|---------------------------|----------------|--|------|
| TRS-00-00073 | F.E.T | J-FET, N-CH | KTK30AGR | Q60, 130, 230, 330, 430, 530, 630 | 7 |
| TRS-00-00088 | TRANSISTOR | SMALL SIGNAL NPN "TO-92L" | KTC1027Y | Q134, 234, 334, 434 | 4 |
| TRS-00-00087 | TRANSISTOR | SMALL SIGNAL PNP "TO-92L" | KTA1023Y | Q144, 244, 344, 444 | 4 |
| TRS-00-00111 | TRANSISTOR | SMALL SIGNAL NPN "TO-92" | KTC3200GR | Q151, 251, 351, 451, 551, 651 | 6 |
| TRS-00-00110 | TRANSISTOR | SMALL SIGNAL NPN "TO-92" | KTC3198GR | Q131, 132, 143, 181, 182, 231, 232, 243, 331, 332 Q343, 431, 432, 443, 531, 532, 631, 632 | 18 |
| TRS-00-00090 | TRANSISTOR | SMALL SIGNAL PNP "TO-92" | KTA1266GR | Q133, 141, 142, 233, 241, 242, 333, 341, 342, 433 Q441, 442, 541, 542, 641, 642 | 16 |
| DIO-00-00006 | DIODE | SWITCHING SIGNAL | 1SS133(1N4148) | D51, 52, 151, 251, 351, 451, 551, 651 | 8 |
| DIO-00-00003 | DIODE | RECTIFIER | 1N4004 | D1 | 1 |
| DIO-00-00020 | DIODE | ZENNER 15V 1W | 1N4744 | D191, 291, 591, 691 | 4 |
| DIO-00-00108 | DIODE | FAST RECOVERY | FR154 | D40, 41, 42, 43, 45, 46, 47, 48 | 8 |
| RES-00-00437 | RESISTOR | METAL FILM 1/5WF | 1K OHM | R120, 172, 220, 272, 320, 372, 420, 472, 520, 572 R620, 672 | 12 |
| RES-00-00402 | RESISTOR | METAL FILM 1/5WF | 10K OHM | R171, 271, 371, 471 | 4 |
| RES-00-00436 | RESISTOR | METAL FILM 1/5WF | 18K OHM | R571, 671 | 2 |
| RES-00-00467 | RESISTOR | METAL FILM 1/5WF | 22K OHM | R101, 121, 201, 221, 301, 321, 401, 421, 501, 521 R601, 621 | 12 |
| RES-00-00537 | RESISTOR | METAL FILM 1/5WF | 47K OHM | R102, 103, 105, 106, 202, 203, 205, 206, 302, 303 R305, 306, 402, 403, 405, 406, 502, 503, 505, 506 R602, 603, 605, 606 | 24 |
| RES-00-00660 | RESISTOR | CARBON FILM 1/5WJ | 22 OHM | R34, 35, 36, 37, 44, 45, 46, 47, 48, 49 R133, 134, 143, 144, 233, 234, 243, 244, 333, 334 R343, 344, 433, 434, 443, 444, 533, 534, 543, 544 R633, 634, 643, 644 | 34 |
| RES-00-00716 | RESISTOR | CARBON FILM 1/5WJ | 47 OHM | R136, 146, 236, 246, 336, 346, 436, 446, 536, 546 R636, 646 | 12 |
| RES-00-00615 | RESISTOR | CARBON FILM 1/5WJ | 120 OHM | R150, 250, 350, 450, 550, 650 | 6 |
| RES-00-00633 | RESISTOR | CARBON FILM 1/5WJ | 1K OHM | R32, 33, 42, 43, 107, 131, 135, 141, 145, 207 R231, 235, 241, 245, 307, 331, 335, 341, 345, 407 R431, 435, 441, 445, 507, 531, 535, 541, 545, 607 R631, 635, 641, 645 | 34 |
| RES-00-00598 | RESISTOR | CARBON FILM 1/5WJ | 1.5K OHM | R151, 251, 351, 451, 551, 651 | 6 |
| RES-00-00602 | RESISTOR | CARBON FILM 1/5WJ | 1.8K OHM | R23, 24 | 2 |
| RES-00-00644 | RESISTOR | CARBON FILM 1/5WJ | 2.7K OHM | R147, 247, 347, 447, 547, 647 | 6 |
| RES-00-00876 | RESISTOR | CARBON FILM 1/5WJ | 3.9K OHM | R137, 237, 337, 437, 537, 637 | 6 |
| RES-00-00720 | RESISTOR | CARBON FILM 1/5WJ | 5.6K OHM | R132, 142, 232, 242, 332, 342, 432, 442, 532, 542 R632, 642 | 12 |
| RES-00-00608 | RESISTOR | CARBON FILM 1/5WJ | 10K OHM | R22, 72, 122, 130, 222, 230, 322, 330, 422, 430 R530, 630 | 12 |
| RES-00-00623 | RESISTOR | CARBON FILM 1/5WJ | 15K OHM | R152, 252, 352, 452, 552, 652 | 6 |
| RES-00-00730 | RESISTOR | CARBON FILM 1/5WJ | 56K OHM | R181, 281, 381, 481, 581, 681 | 6 |
| RES-00-00654 | RESISTOR | CARBON FILM 1/5WJ | 220K OHM | R71 | 1 |
| RES-00-00664 | RESISTOR | CARBON FILM 1/5WJ | 270K OHM | R123, 124, 223, 224, 323, 324, 423, 424 | 8 |
| CEC-00-00077 | CAPACITOR | CERAMIC DISK 50V "NPO" | 10pF | C104, 204, 304, 404, 504, 604 | 6 |
| CEC-00-00090 | CAPACITOR | CERAMIC DISK 50V "NPO" | 22pF | C56, 570, 670 | 3 |
| CEC-00-00103 | CAPACITOR | CERAMIC DISK 50V "NPO" | 47pF | C105, 106, 205, 206, 305, 306, 405, 406, 505, 506 C605, 606 | 12 |
| CEC-00-00108 | CAPACITOR | CERAMIC DISK 50V "NPO" | 68pF | C121, 221, 321, 421, 521, 621 | 6 |
| CEC-00-00073 | CAPACITOR | CERAMIC DISK 50V "NPO" | 100pF | C132, 142, 151, 232, 242, 251, 332, 342, 351, 432 C442, 451, 532, 542, 551, 632, 642, 651 | 18 |
| CEC-00-00074 | CAPACITOR | CERAMIC DISK 50V | 102pF | C101, 201, 301, 401, 501, 601 | 6 |
| CEC-00-00075 | CAPACITOR | CERAMIC DISK 50V | 103pF | C61 | 1 |
| CEC-00-00102 | CAPACITOR | CERAMIC DISK 50V | 473pF | C34, 35, 44, 45, 195, 295, 395, 495, 595, 695 | 10 |
| CEC-00-00076 | CAPACITOR | CERAMIC DISK 50V | 104pF | C2, 15, 20, 23, 60 | 5 |
| ELC-00-00249 | CAPACITOR | ELECTROLYTIC "SRE" | 2.2 ! /50V | C120, 122, 220, 222, 320, 322, 420, 422, 520, 522 C620, 622 | 12 |
| ELC-00-00641 | CAPACITOR | ELECTROLYTIC "SRE" | 22 ! /16V | C102, 103, 123, 124, 131, 141, 202, 203, 223, 224 C231, 241, 302, 303, 323, 324, 331, 341, 402, 403 C423, 424, 441, 502, 503, 531, 541, 602, 603, 631 C641 | 31 |

GTO755.6 Parts List

| PART NO. | NOMENCATURE | DESCRIPTION | MFR PARTS | REF. NO | Q'TY |
|--------------|--------------|-------------------------------|---------------|----------------------------------|------|
| ELC-00-00243 | CAPACITOR | ELECTROLYTIC"SRE" | 100 ! /16V | C171,181,271,371,471,571,671 | 7 |
| ELC-00-00701 | CAPACITOR | ELECTROLYTIC"SRE" | 220 ! /16V | C194,294,594,694 | 4 |
| ELC-00-00223 | CAPACITOR | ELECTROLYTIC"SMS" | 2.2! /50V | C50,51,52,53 | 4 |
| ELC-00-00197 | CAPACITOR | ELECTROLYTIC"SMS" | 22 ! /16V | C431 | 1 |
| ELC-00-00199 | CAPACITOR | ELECTROLYTIC"SMS" | 100 ! /16V | C591,691 | 2 |
| ELC-00-00231 | CAPACITOR | ELECTROLYTIC"SMS" | 100 ! /50V | C55 | 1 |
| MYC-00-00031 | CAPACITOR | MYLAR 5% 100V | 222J | C26,27 | 2 |
| MYC-00-00090 | CAPACITOR | MYLAR 5% 63V "TL" | 473J | C140,240,340,440,540,640 | 6 |
| MYC-00-00083 | CAPACITOR | MYLAR 5% 63V "TL" | 104J | C161,261,361,461,561,661 | 6 |
| MYC-00-00085 | CAPACITOR | MYLAR 5% 63V "TL" | 105J | C1,14,16,29,66 | 4 |
| ICO-00-00111 | I.C | DUAL OP AMP "DIP-08" | NJM2068D | U101,301,501 | 3 |
| FET-00-00023 | F.E.T | N-CH POWER FET "TO-220" | FQP50N06 | Q34,35,36,37,44,45,46,47,48,49 | 10 |
| TRS-00-00176 | TRANSISTOR | AUDIO POWER NPN "TO-3P" | KTD718 | Q135,235,335,435 | 4 |
| TRS-00-00082 | TRANSISTOR | AUDIO POWER PNP "TO-3P" | KT8688 | Q145,245,345,445 | 4 |
| TRS-00-00207 | TRANSISTOR | AUDIO POWER PNP "TO-3P" | TIP36C | Q545,645 | 2 |
| TRS-00-00188 | TRANSISTOR | AUDIO POWER NPN "TO-3P" | TIP35C | Q535,635 | 2 |
| TRS-00-00032 | TRANSISTOR | MIDDLE POWER TR NPN "TO-126" | KTD600K | Q534,543,634,643 | 4 |
| TRS-00-00081 | TRANSISTOR | MIDDLE POWER TR PNP "TO-126" | KT8631K | Q533,544,633,644 | 4 |
| TRS-00-00111 | TRANSISTOR | SMALL SIGNAL NPN "TO-92" | KTC3200GR | Q140,240,340,440,540,640 | 6 |
| DIO-00-00048 | DIODE | RECTIFIER | 1N5404 | D2 | 1 |
| DIO-00-00152 | DIODE | FAST RECOVERY | YG225D2 | D30,31,32,33 | 4 |
| RES-00-00053 | RESISTOR | CARBON FILM 1/2WJ | 4.7 OHM | R161,261,361,461,561,661 | 6 |
| RES-00-00787 | RESISTOR | METAL FILM 1WJ | 1.5K OHM | R63,64,65,66 | 4 |
| RES-00-00845 | RESISTOR | METAL FILM 2WJ | 100 OHM | R61,62 | 2 |
| RES-00-00860 | RESISTOR | METAL FILM 2WJ | 220 OHM | R191,291 | 2 |
| RES-00-00869 | RESISTOR | METAL FILM 2WJ | 330 OHM | R591,691 | 2 |
| RES-00-00881 | RESISTOR | METAL FILM 2WJ | 680 OHM | R162,262,362,462,562,662 | 6 |
| RES-00-00896 | RESISTOR | WIRE WOUND 3WJ | 0.1 OHM | R159,160,259,260,359,360,459,460 | 8 |
| RES-00-00958 | RESISTOR | WIRE WOUND 5WJ | 0.1 OHM | R559,560,659,660 | 4 |
| THS-00-00013 | THERMISTOR | NTC RESISTOR 50K | FTD5-350 | TH1 | 1 |
| ELC-00-00201 | CAPACITOR | ELECTROLYTIC"SMS" | 330 ! /16V | C191,291 | 2 |
| ELC-00-00185 | CAPACITOR | ELECTROLYTIC"SHL" | 470 ! /35V | C40,C41 | 2 |
| ELC-00-00463 | CAPACITOR | ELECTROLYTIC"SHL" | 470 ! /50V | C30,31 | 2 |
| ELC-00-00726 | CAPACITOR | ELECTROLYTIC"WL" | 1000 ! /35V | C28 | 1 |
| ELC-00-00727 | CAPACITOR | ELECTROLYTIC"WL" | 2200 ! /25V | C21,22,24,25 | 4 |
| ELC-00-00187 | CAPACITOR | ELECTROLYTIC"SHL" | 2200 ! /50V | C32,33 | 2 |
| ELC-00-00603 | CAPACITOR | ELECTROLYTIC"SHL" | 3300 ! /35V | C42,43 | 2 |
| COI-00-00028 | INDUCTOR | DRUM COIL | CL-310 | L1,2 | 2 |
| COI-00-00093 | INDUCTOR | DRUM COIL | CL-510 | L10,11,12,13 | 4 |
| COR-TF-00388 | RING CORE | 36PHI MAGNETICS | | T1 , 5T(0.7X9) : 13T(0.7X4) | 1 |
| COR-TF-00389 | RING CORE | 36PHI MAGNETICS | | T2 , 5T(0.7X15) : 10T(0.7X4) | 1 |
| WIR-00-00016 | GND WIRE | AWG #22 BLACK 3.2PHI RING RUG | 80m/m | W1,2 | 2 |
| JAC-00-00042 | RCA JACK | GOLD PLATED 2P | DJB-562D | J101,301,501 | 3 |
| HOD-00-00011 | FUSE HOLDER | P.C.B TYPE | WF-9604 | F1 | 1 |
| FUS-00-00010 | FUSE | 32V/30A | 32V30A | 2SET+2ASS'Y | 4 |
| JAC-00-00050 | MODULAR JACK | BLACK | DEK623P-4B | MOD1 | 1 |
| CON-00-00128 | WAFER | | LAD1140-04PBK | JACK1,2 | 2 |
| WIR-00-00208 | WIRE ASS'Y | 300m/m | CHD1140-04PBK | JACK1,2 | 2 |

GTO755.6 Parts List

| PART NO. | NOMENCATURE | DESCRIPTION | MFR PARTS | REF. NO | Q'TY |
|--------------|----------------|---------------------------|-----------------|-------------------------------|------|
| TUB-00-00008 | TEFLON TUBE | 0.7PHI | 10m/m | Q140,240,340,440,540,640/ TH1 | 8 |
| TUB-00-00009 | TEFLON TUBE | 0.7PHI | 15m/m | LED1 | 2 |
| TUB-00-00006 | TEFLON TUBE | 0.7PHI | 20m/m | LED2 | 2 |
| DIO-00-00321 | LED | 3PHI BLUE | MS-L330CBHSK | LED1 | 1 |
| DIO-00-00278 | LED | 3PHI RED | HNRD-3401L | LED2 | 1 |
| JUP-00-00003 | BAR JUMPER | | 35m/m | BJ3,4 | 2 |
| JUP-00-00005 | BAR JUMPER | | 55m/m | BJ1,2 | 2 |
| JUP-00-00011 | BUS BAR | 6PIN | MA-BA-02-1960-0 | BJ5 | 1 |
| SWI-00-00024 | SWITCH | SLIDE SWITCH | JSS2219 | SW201,401 | 2 |
| TER-00-00236 | POWER TERMINAL | GOLD PLATED,3P | WT-9323 | TER1 | 1 |
| TER-00-00191 | POWER TERMINAL | GOLD PLATED,12P | WT-9522 | TER2 | 1 |
| HED-00-00113 | SOCKET | | TM2501-DG-10P | HP2 | 1 |
| HED-00-00114 | SOCKET | | TM2501-DG-12P | HP1 | 1 |
| ICO-00-00021 | I.C | PWM I.C "SO-16" | TL494CD | U10 | 1 |
| TRS-00-00113 | TRANSISTOR | SMD TO-23 NPN | KTC3875GR | Q50 | 1 |
| TRS-00-00098 | TRANSISTOR | SMD TO-23 PNP | KTA1504GR | Q3,4,6 | 3 |
| DIO-00-00117 | DIODE | SWITCHING SIGNAL | RLS4148 | D3,10,11,20,21 | 5 |
| RES-08-00077 | RESISTOR | SMD 0805 1/8WF | 4.7K OHM | R7 | 1 |
| RES-08-00251 | RESISTOR | SMD 0805 1/8WF | 10.5K OHM | R6 | 1 |
| RES-08-00250 | RESISTOR | SMD 0805 1/8WF | 430K OHM | R25 | 1 |
| RES-08-00135 | RESISTOR | SMD 0805 1/8WJ | 10 OHM | R8 | 1 |
| RES-08-00229 | RESISTOR | SMD 0805 1/8WJ | 910 OHM | R16 | 1 |
| RES-08-00148 | RESISTOR | SMD 0805 1/8WJ | 1K OHM | R17,26,27,28,29,52 | 6 |
| RES-08-00177 | RESISTOR | SMD 0805 1/8WJ | 3.9K OHM | R11 | 1 |
| RES-08-00191 | RESISTOR | SMD 0805 1/8WJ | 4.7K OHM | R2,3,10 | 3 |
| RES-08-00223 | RESISTOR | SMD 0805 1/8WJ | 8.2K OHM | R4 | 1 |
| RES-08-00132 | RESISTOR | SMD 0805 1/8WJ | 10K OHM | R9,12 | 2 |
| RES-08-00143 | RESISTOR | SMD 0805 1/8WJ | 15K OHM | R20,21 | 2 |
| RES-08-00160 | RESISTOR | SMD 0805 1/8WJ | 20K OHM | R15 | 1 |
| RES-08-00164 | RESISTOR | SMD 0805 1/8WJ | 22K OHM | R18,51 | 2 |
| RES-08-00170 | RESISTOR | SMD 0805 1/8WJ | 27K OHM | R14 | 1 |
| RES-08-00182 | RESISTOR | SMD 0805 1/8WJ | 33K OHM | R19 | 1 |
| RES-08-00198 | RESISTOR | SMD 0805 1/8WJ | 47K OHM | R50 | 1 |
| RES-08-00208 | RESISTOR | SMD 0805 1/8WJ | 56K OHM | R5 | 1 |
| RES-08-00216 | RESISTOR | SMD 0805 1/8WJ | 68K OHM | R13 | 1 |
| RES-12-00147 | RESISTOR | SMD 1206 1/6WJ | 1 OHM | R1 | 1 |
| RES-12-00159 | RESISTOR | SMD 1206 1/6WJ | 220 OHM | R30,31,40,41 | 4 |
| CEC-08-00004 | CAPACITOR | SMD 0805 | 104pF | C5,11 | 2 |
| TRS-00-0008 | 7TRANSISTOR | SMALL SIGNAL PNP "TO-92L" | KTA1023Y | Q1 | 1 |
| TRS-00-0009 | 0TRANSISTOR | SMALL SIGNAL PNP "TO-92" | KTA1266GR | Q10,11,12,13 | 4 |
| TRS-00-0011 | 0TRANSISTOR | SMALL SIGNAL NPN "TO-92" | KTC3198GR | Q2 | 1 |
| TRS-00-0010 | 9TRANSISTOR | SMALL SIGNAL NPN "TO-92" | KTC3198BL | Q5 | 1 |
| MYC-00-0002 | 0CAPACITOR | MYLAR 5% 100V | 102J | C9 | 1 |
| ELC-00-0069 | 9CAPACITOR | ELECTROLYTIC"SRE" | 10 ! /25V | C12 | 1 |
| ELC-00-0024 | 1CAPACITOR | ELECTROLYTIC"SRE" | 10 ! /16V | C3 | 1 |
| ELC-00-0070 | 0CAPACITOR | ELECTROLYTIC"SRE" | 22 ! /25V | C6,13 | 2 |
| ELC-00-0024 | 2CAPACITOR | ELECTROLYTIC"SRE" | 47 ! /16V | C4,8 | 2 |
| ELC-00-0024 | 3CAPACITOR | ELECTROLYTIC"SRE" | 100 ! /16V | C7,10 | 2 |
| HED-00-0006 | 8HEADER PIN | GOLD PLATED | TM2008-CG-06P | HP1,2 | 2 |

GTO755.6 Parts List

| PART NO. | NOMENCATURE | DESCRIPTION | MFR PARTS | REF. NO | Q'TY |
|---------------|----------------|------------------------|--------------------|--|------|
| ICO-00-00354 | I.C | REMOTE CONTROL | IC "SMD" NJM13600D | U500 | 1 |
| ICO-00-00113 | I.C | DUAL OP AMP | NJM2068M | U102, 103, 104, 105, 302, 303, 304, 305, 505, 506, 510, 606 | 0 14 |
| RES-08-0025 2 | RESISTOR | SMD 0805 1/8WF | 9.4K OHM | R257, 457, 657 | 3 |
| RES-08-0025 3 | RESISTOR | SMD 0805 1/8WF | 15.2K OHM | R155, 255, 355, 455, 555, 655 | 6 |
| RES-08-0008 8 | RESISTOR | SMD 0805 1/8WF | 47K OHM | R256, 456, 656 | 3 |
| RES-08-0011 7 | RESISTOR | SMD 0805 1/8WF | 91K OHM | R156, 356, 556 | 3 |
| RES-08-0013 5 | RESISTOR | SMD 0805 1/8WJ | 10 OHM | R548, 549 | 2 |
| RES-08-0014 2 | RESISTOR | SMD 0805 1/8WJ | 150 OHM | R80 | 1 |
| RES-08-0020 3 | RESISTOR | SMD 0805 1/8WJ | 510 OHM | R511, 513, 611, 613 | 4 |
| RES-08-0022 5 | RESISTOR | SMD 0805 1/8WJ | 820 OHM | R108, 208, 308, 408, 508, 608 | 6 |
| RES-08-0014 | 8RESISTOR | SMD 0805 1/8WJ | 1K OHM | R592, 692 | 2 |
| RES-08-0020 | 1RESISTOR | SMD 0805 1/8WJ | 5.6K OHM | R113, 115, 213, 215, 313, 315, 413, 415, 513, 515, 613, 615 | 12 |
| RES-08-0021 | 0RESISTOR | SMD 0805 1/8WJ | 6.8K OHM | R596, 696 | 2 |
| RES-08-0013 | 2RESISTOR | SMD 0805 1/8WJ | 10K OHM | R83, 110, 111, 112, 114, 127, 210, 211, 214, 311, 314, 327, 410, 411, 414, 427, 510, 514, 515, 516, 610, 614, 615, 616 | 25 |
| RES-08-0014 | 3RESISTOR | SMD 0805 1/8WJ | 15K OHM | R81, 512, 612 | 3 |
| RES-08-0017 | 9RESISTOR | SMD 0805 1/8WJ | 30K OHM | R509, 609 | 2 |
| RES-08-0018 | 7RESISTOR | SMD 0805 1/8WJ | 39K OHM | R595, 695 | 2 |
| RES-08-0014 | 1RESISTOR | SMD 0805 1/8WJ | 150K OHM | R82, 597, 697 | 3 |
| RES-08-0016 | 2RESISTOR | SMD 0805 1/8WJ | 220K OHM | R148, 248, 348, 448 | 4 |
| RES-08-0014 | 9RESISTOR | SMD 0805 1/8WJ | 1M OHM | R540, 570 | 2 |
| CEC-08-0000 | 9CAPACITOR | SMD 0805 | 12pF | C156, 356, 556, 656 | 4 |
| CEC-08-0001 | 7CAPACITOR | SMD 0805 | 20pF | C256, 456 | 2 |
| CEC-08-0004 | 2CAPACITOR | SMD 0805 | 47pF | C111, 211, 311, 411, 593, 693 | 6 |
| CEC-08-0004 | 0CAPACITOR | SMD 0805 | 473pF | C196, 197, 198, 199, 296, 297, 298, 299, 396, 398, 399, 496, 497, 498, 499, 596, 597, 598, 599, 600, 696, 697, 698, 699, 700 | 9 26 |
| TRS-00-0011 | 0TRANSISTOR | SMALL SIGNAL NPN | "TO-92" KTC3198GR | Q80 | 1 |
| MYC-00-0009 | CAPACITOR | MYLAR 5% 63V "TL" | 683J | C518, 618 | 2 |
| MYC-00-0015 | CAPACITOR | MYLAR 5% 63V "TL" | 823J | C113, 115, 213, 215, 313, 315, 413, 415, 513, 515, 613, 615 | 10 |
| MYC-00-0008 | 3CAPACITOR | MYLAR 5% 63V "TL" | 104J | C590, 592, 690, 692 | 4 |
| ELC-00-0064 | 2CAPACITOR | ELECTROLYTIC"SRE" | 1! /50V | C80 | 1 |
| ELC-00-0024 | 9CAPACITOR | ELECTROLYTIC"SRE" | 2.2! /50V | C516, 616 | 2 |
| ELC-00-0025 | 0CAPACITOR | ELECTROLYTIC"SRE" | 4.7! /50V | C81 | 1 |
| ELC-00-0024 | 1CAPACITOR | ELECTROLYTIC"SRE" | 10! /16V | C155, 255, 355, 425, 509, 512, 555, 609, 61 | 10 |
| SWI-00-0011 | 2SWITCH | SLIDER SWITCH | JSS2301S120 | SW101, 301 | 2 |
| SWI-00-0010 | 6SWITCH | SLIDER SWITCH | JSS2201S120 | SW501 | 1 |
| VOL-00-0033 | 7VOLUME | V123H CO 20RS B20K 10% | 20KBx2 | VR101, 301, 500, 501 | 4 |
| VOL-00-0033 | 8VOLUME | V124H CO 20RS C50K 10% | 50KCx4 | VR102, 302, 502 | 3 |
| HED-00-0024 | 3PIN CONNECTOR | TM2008-D81G-10P | 10P | HP4 | 1 |
| HED-00-0024 | 4PIN CONNECTOR | TM2008-D81G-12P | 12P | HP3 | 1 |

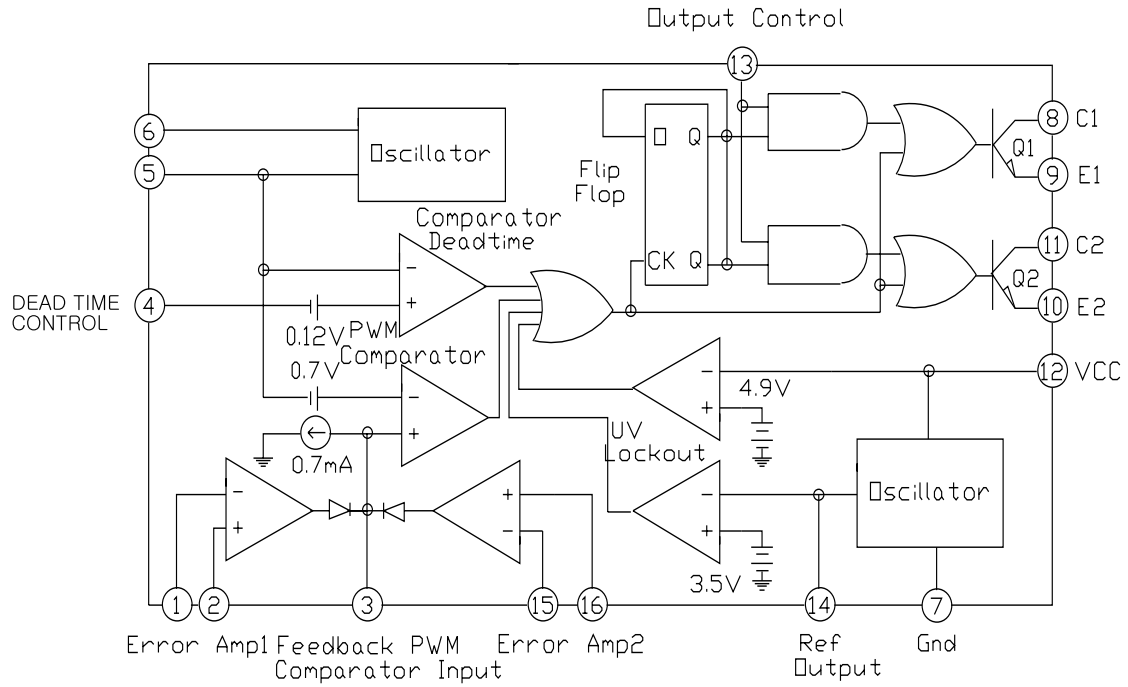
GTO 755.6 Version II Electrical Parts List Addendum

The following chart below represents electrical parts differences in Version I and II models:

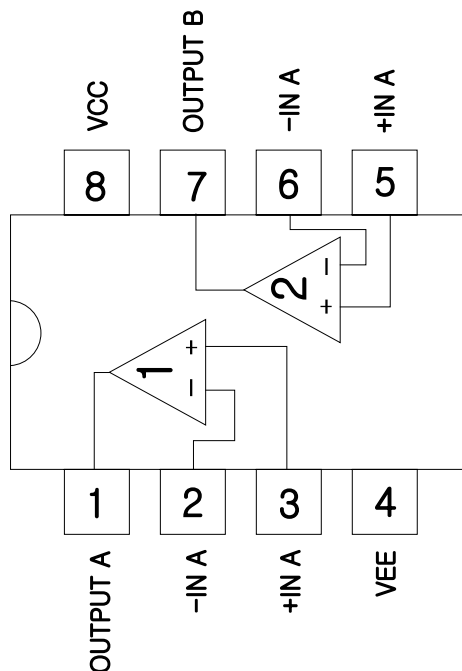
| | MODEL | PART NAME | PART NO | SPEC | DESIGNATOR |
|---|--------------------|-------------------------|---------------------|-------------------------------|---------------------------------|
| 1 | GTO 755.6 | RESISTOR | RES-08-00225 | SMD 0805 1/8WJ 820 OHM | R108,208,308,408,508,608 |
| | GTO 755.6II | RESISTOR | RES-08-00242 | SMD 0805 1/8WF 240 OHM | R108,208,308,408,508,608 |
| 2 | GTO 755.6 | RESISTOR | RES-08-00253 | SMD 0805 1/8WF 15.2KOHM | R155,255,355,455,555,655 |
| | GTO 755.6II | RESISTOR | RES-08-00116 | SMD 0805 1/8WF 9.1KOHM | R155,255,355,455,555,655 |
| 3 | GTO 755.6 | RESISTOR | RES-08-00252 | SMD 0805 1/8WF 9.4KOHM | R257,457,657 |
| | GTO 755.6II | RESISTOR | RES-08-00200 | SMD 0805 1/8WJ 5.1KOHM | R257,457,657 |
| 4 | GTO 755.6 | RESISTOR | RES-00-00402 | 1/5WF 10K OHM | R171,271,371,471 |
| | GTO 755.6II | RESISTOR | RES-00-00480 | 1/5WF 27K OHM | R171,271,371,471 |
| 5 | GTO 755.6 | RESISTOR | RES-00-00436 | 1/5WF 18K OHM | R571,671 |
| | GTO 755.6II | RESISTOR | RES-00-00532 | 1/5WF 43K OHM | R571,671 |
| 6 | GTO 755.6 | RESISTOR | RES-00-00437 | 1/5WF 1K OHM | R120,220,320,420,520,620 |
| | GTO 755.6II | RESISTOR | RES-00-00545 | 1/5WF 5.6K OHM | R120,220,320,420,520,620 |
| 7 | GTO 755.6 | POWER TERMINAL | TER-00-00236 | (3P) WT-9323 | TER1 |
| | GTO 755.6II | POWER TERMINAL | TER-00-00277 | (3P) DK-03B03-AG-1-DN | TER1 |
| 8 | GTO 755.6 | SPEAKER TERMINAL | TER-00-00191 | (12P) WT-9522 | TER2 |
| | GTO 755.6II | SPEAKER TERMINAL | TER-00-00271 | (12P) DK-1202-AG-1-DN | TER2 |
| 9 | GTO 755.6 | CAPACITOR | CEC-00-00004 | Ceramic, 102pf 50v | C101,201,301,401,501,601 |
| | GTO 755.6II | CAPACITOR | CCEA1CH100T | Electrolytic, 10uf 16v | C101,201,301,401,501,601 |

Integrated Circuit Diagrams

SUB B'D(PAS311-01) U01 (TL494CD) P.W.M IC

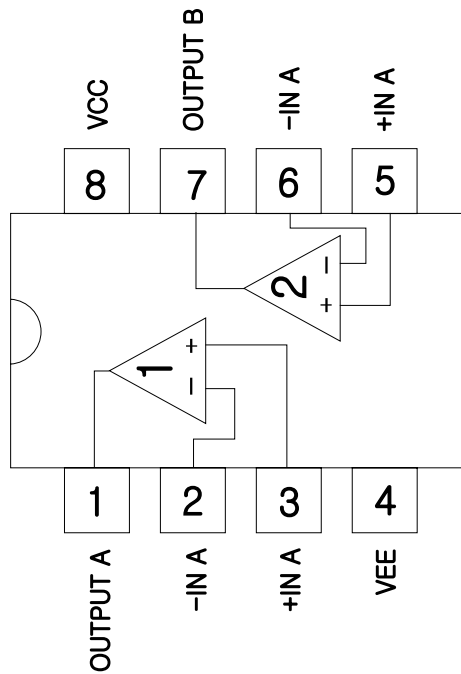


MAIN B'D : U101,301,501 (NJM2068D) DUAL OP AMP

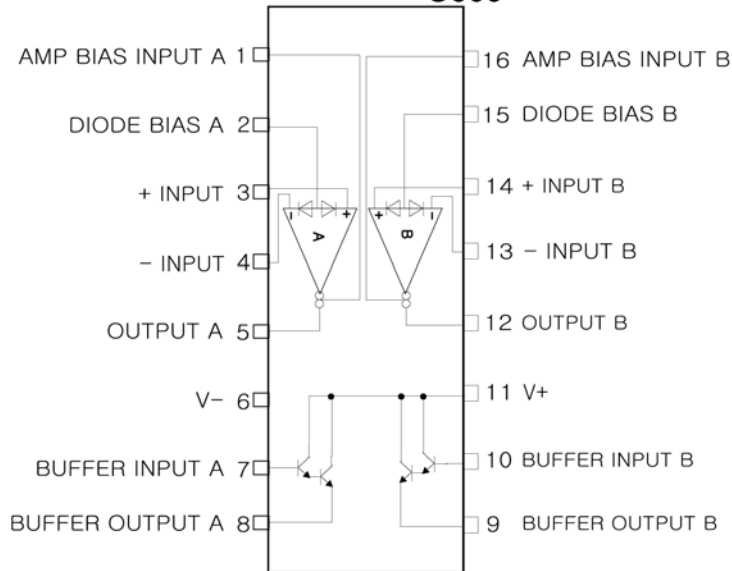


Integrated Circuit Diagrams

SUB B'D(PAS312-01) : U102,103,104,105,302,303,304,305,502,504,505,506
U510,606 (NJM2068M) DUAL OP AMP



DUAL TRANSCONDUCTANCE AMPLIFIER
NJM13600D U500



Transistor Diagrams

MAIN B'D
 * KTC3198GR *
 Q131,132,143,181,182
 Q231,232,243,331,332
 Q343,431,432,443,531
 Q532,631,632

PAS311-01
 * KTC3198GR *
 Q2

MAIN B'D
 * KTA1266GR *
 Q133,141,142,233,241
 Q242,333,341,342,433
 Q441,442,541,542,641
 Q642

PAS311-01
 * KTA1266GR *
 Q10,11,12,13

MAIN B'D
 * KTC3200GR *
 Q151,251,351,451,551,
 Q651,140,240,340,440
 Q540,640

PAS311-01
 * KTC3198BL * - Q05

* FQP50N06
 Q34,35,36,37,44,45
 Q46,47,48,49

* KTK30AGR
 Q60,130,230,330,430,530,630

* KTD600K *
 Q534,543,634,643

* KTD718 *
 Q135,235,335,435

* TIP35C *
 Q535,635

* KTB631K *
 Q533,544,633,644

* KTB688 *
 Q145,245,345,445

* TIP36C *
 Q545,645

* YG225D2 *
 D30,31,32,33

MAIN B'D
 * KTC1027Y *
 Q134,234,334,434

MAIN B'D
 * KTA1023Y *
 Q144,244,344,444

PAS311-01
 * KTA1023Y *
 Q1

GTO 755.6 Page1 Schematic

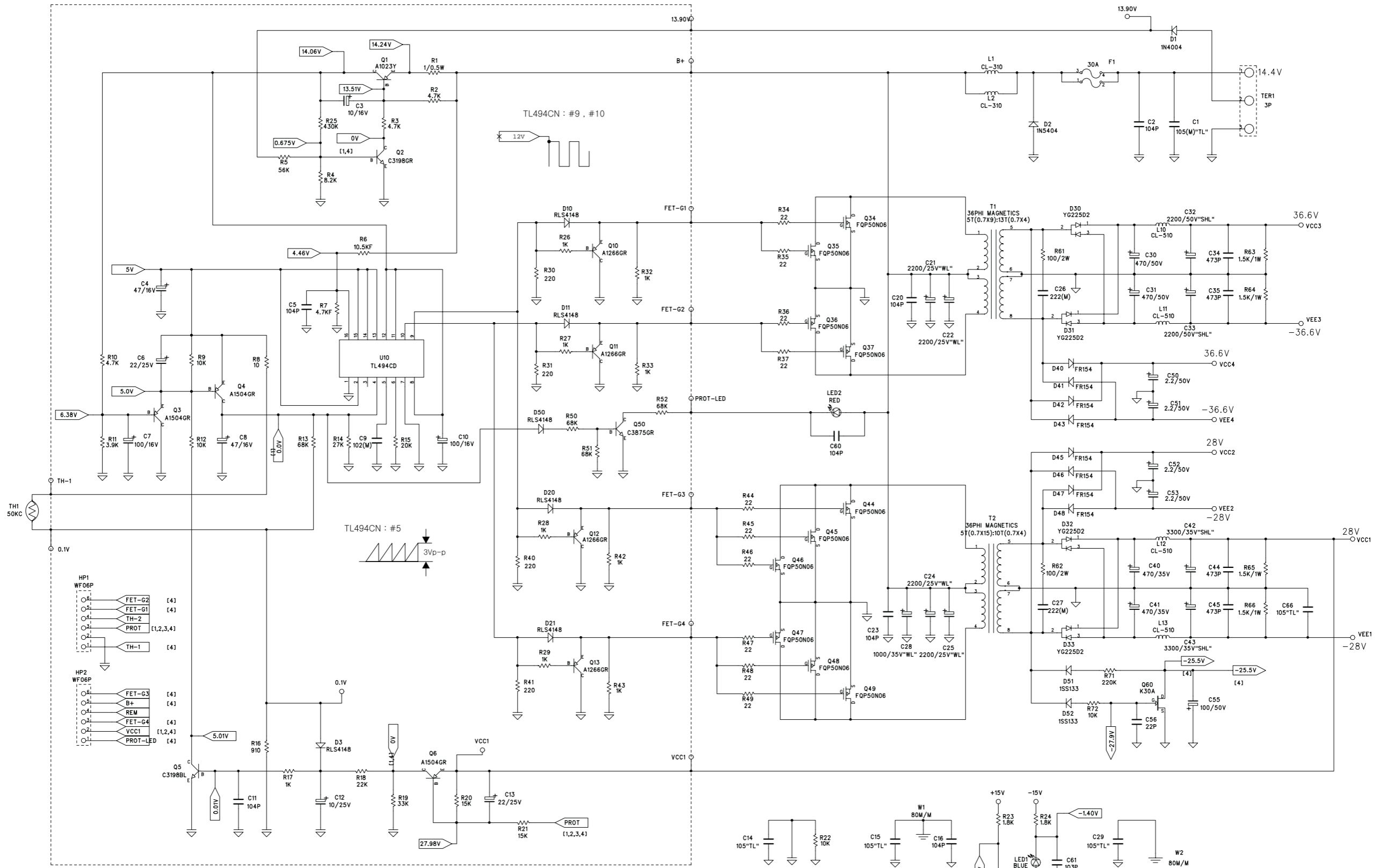
A

B

C

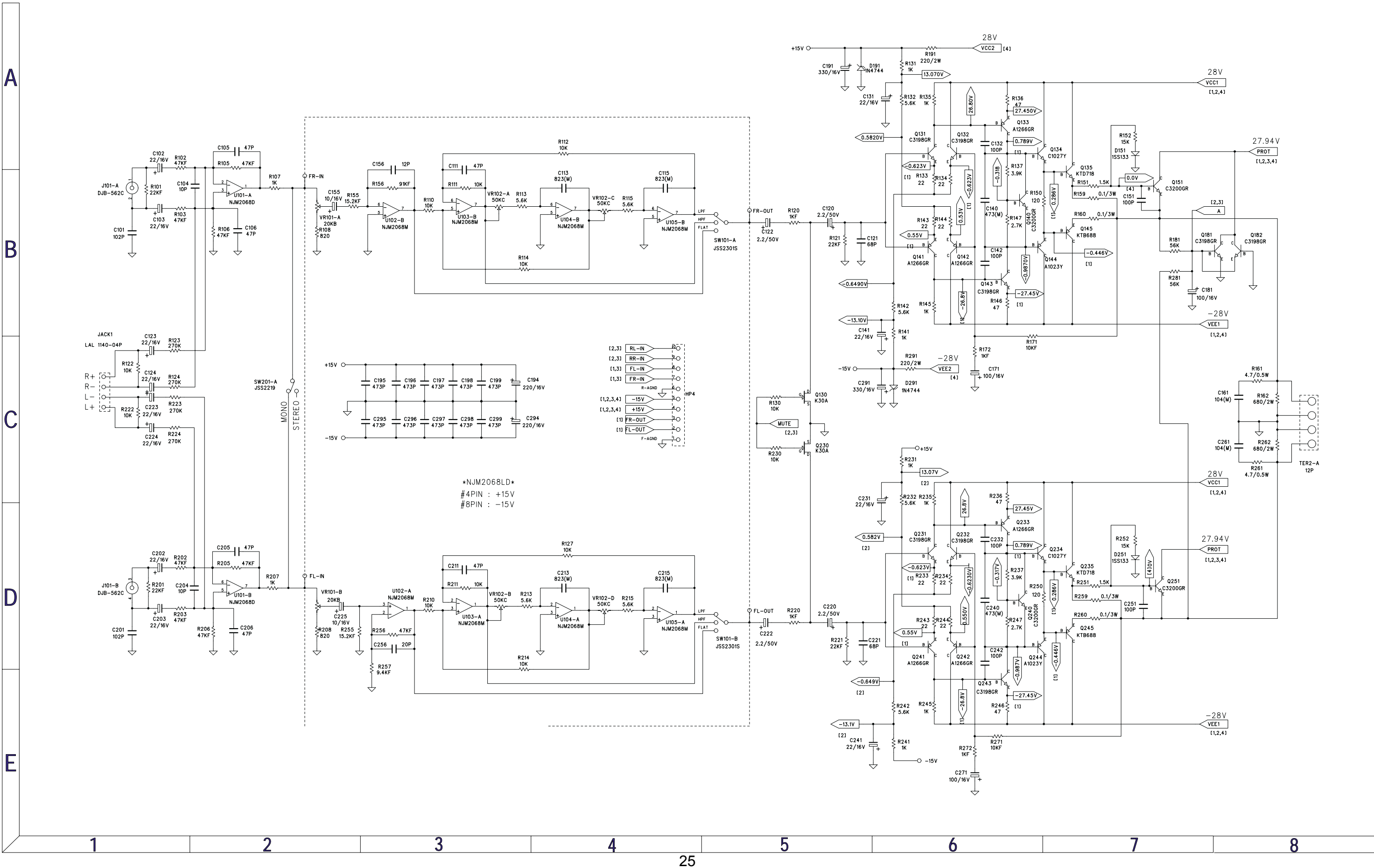
D

E

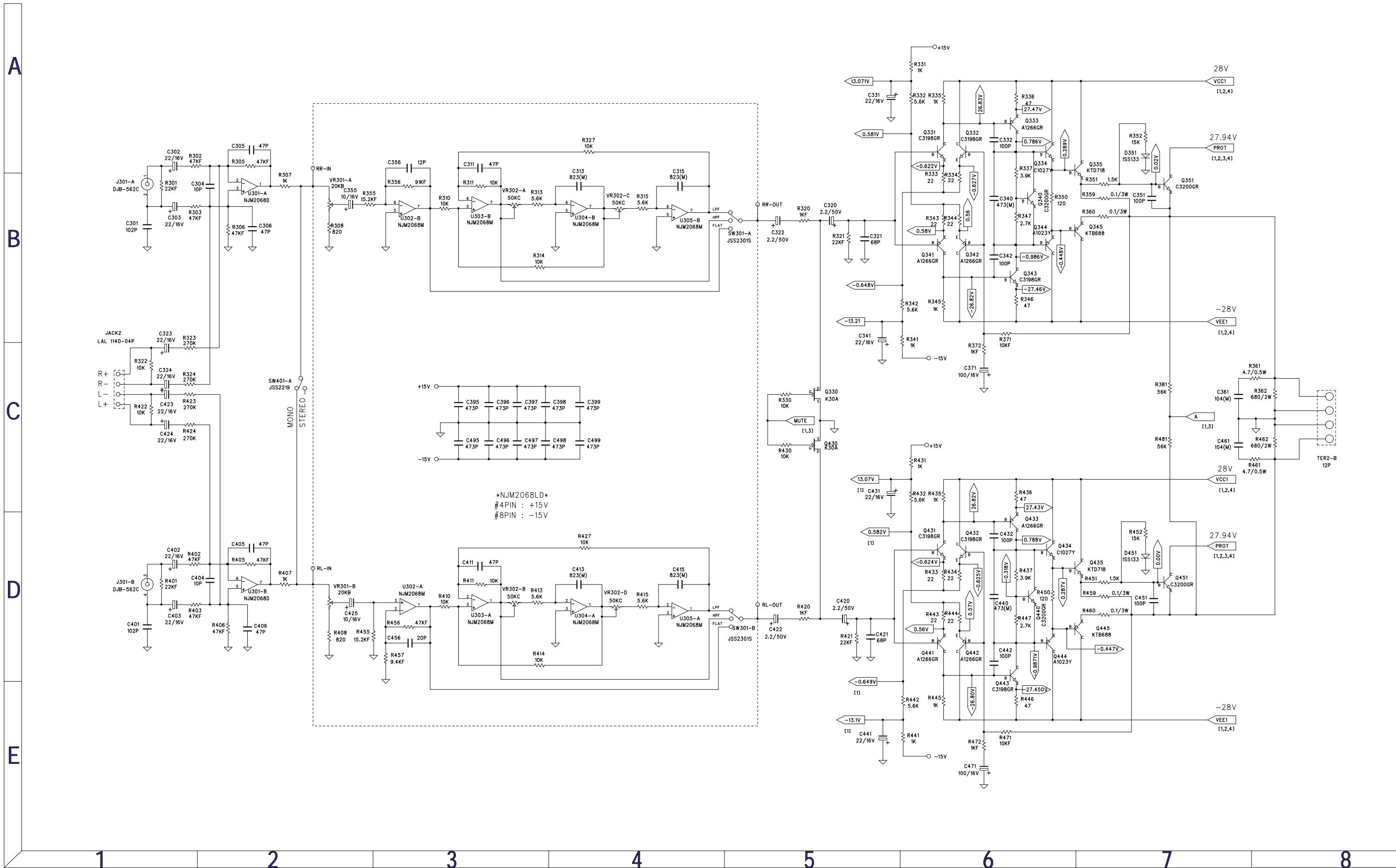


1 2 3 4 5 6 7 8

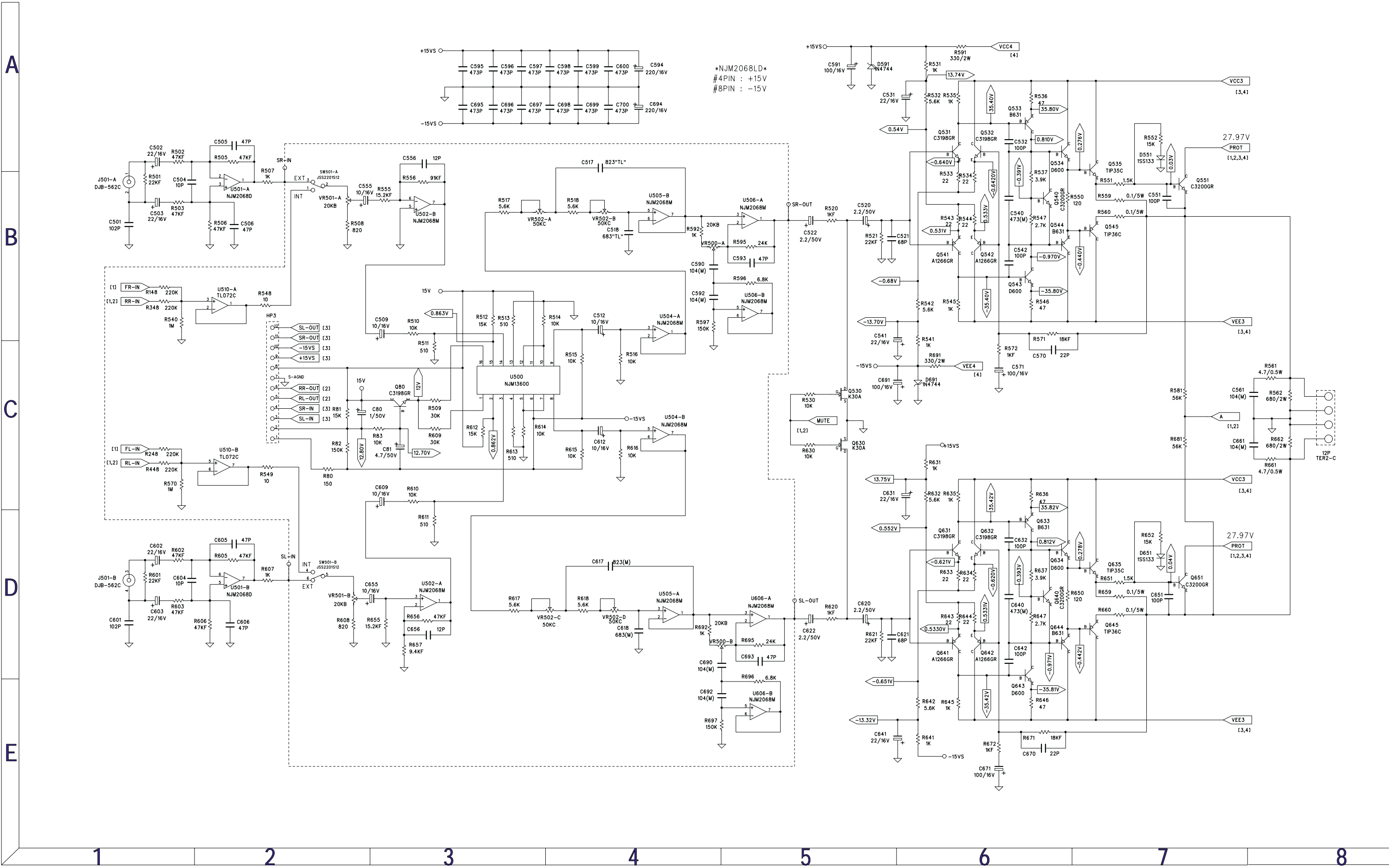
GTO 755.6 Page2 Schematic



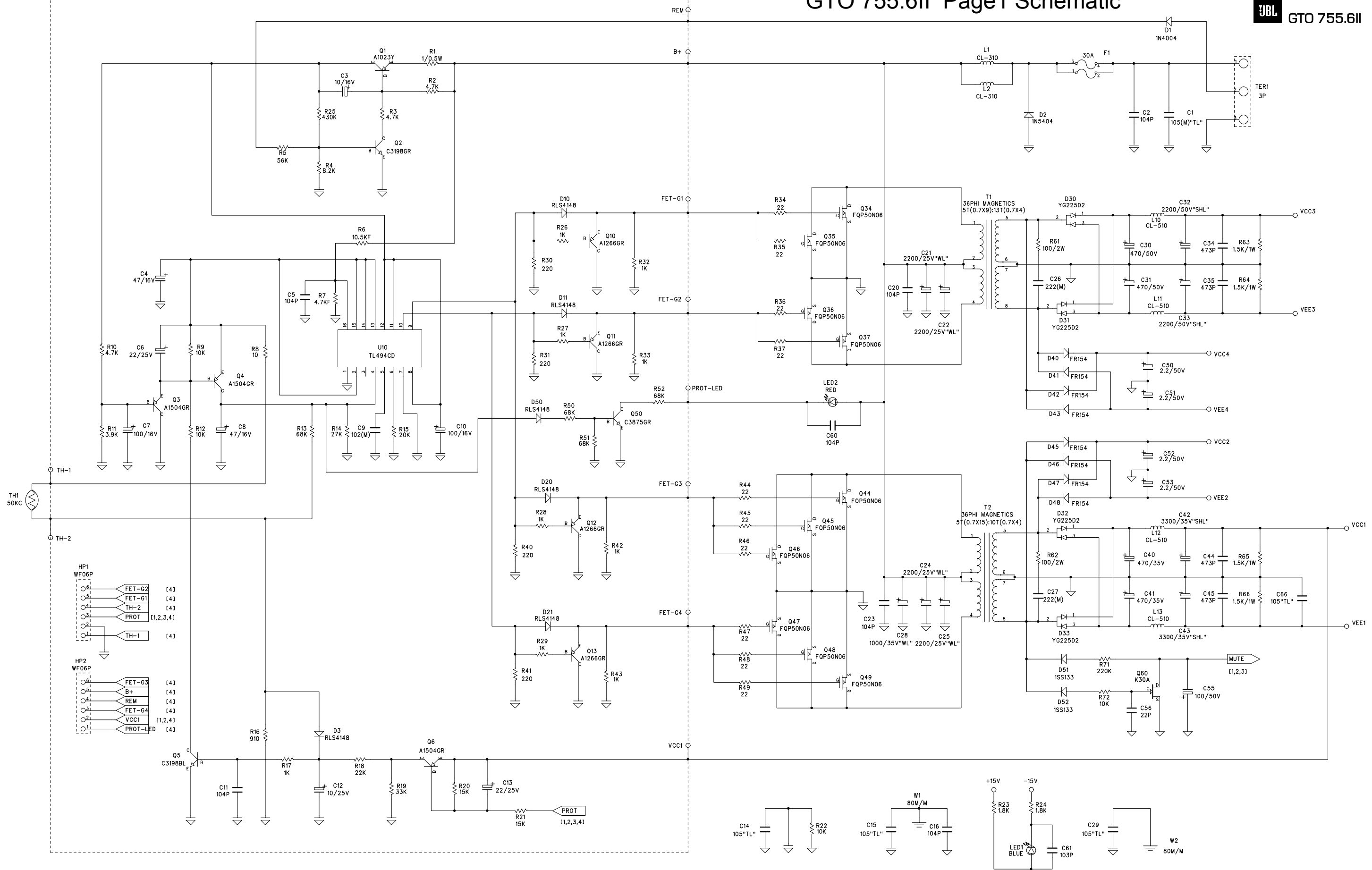
GTO 755.6 Page3 Schematic



GTO 755.6 Page4 Schematic



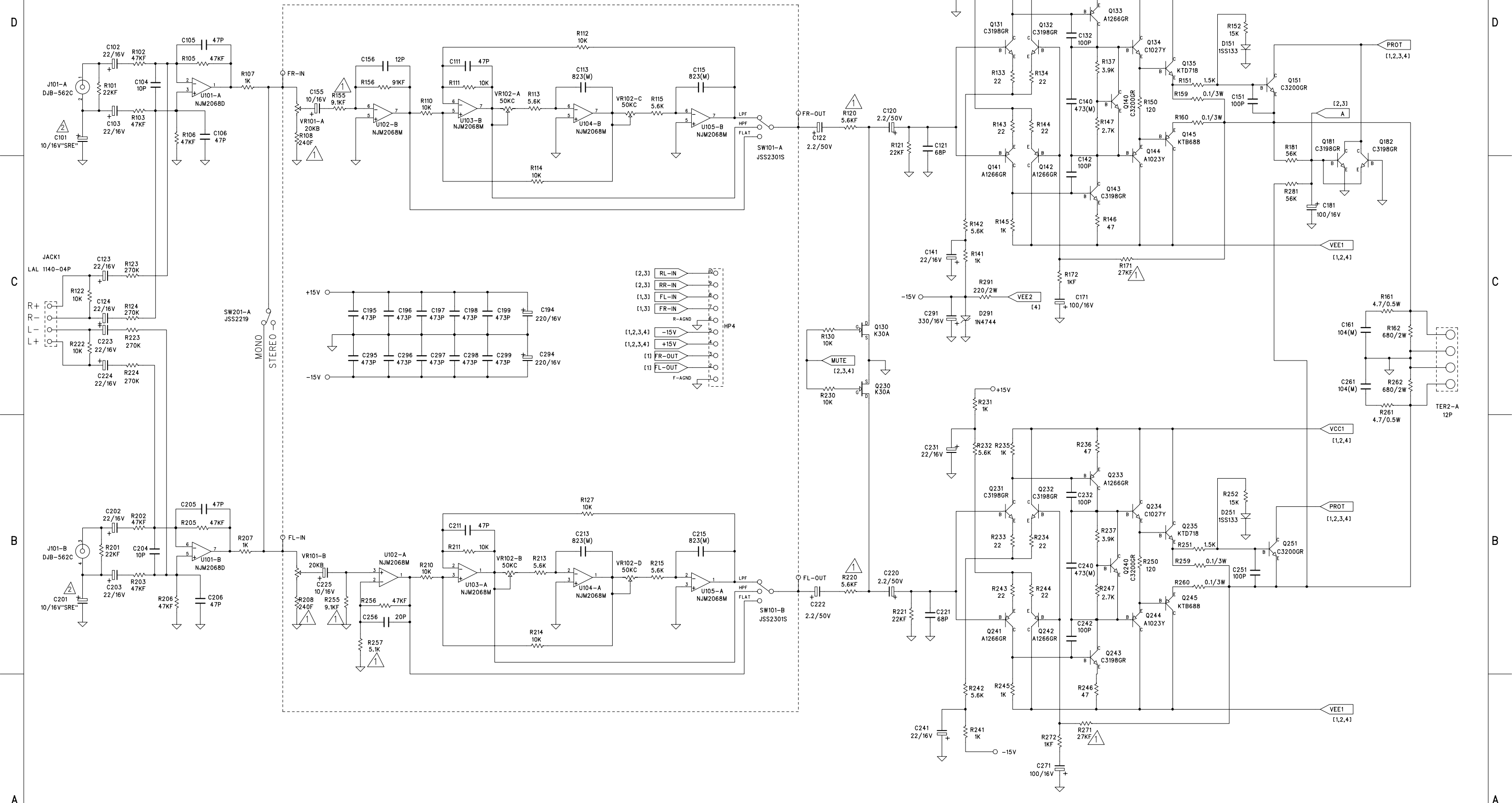
GTO 755.6II Page1 Schematic



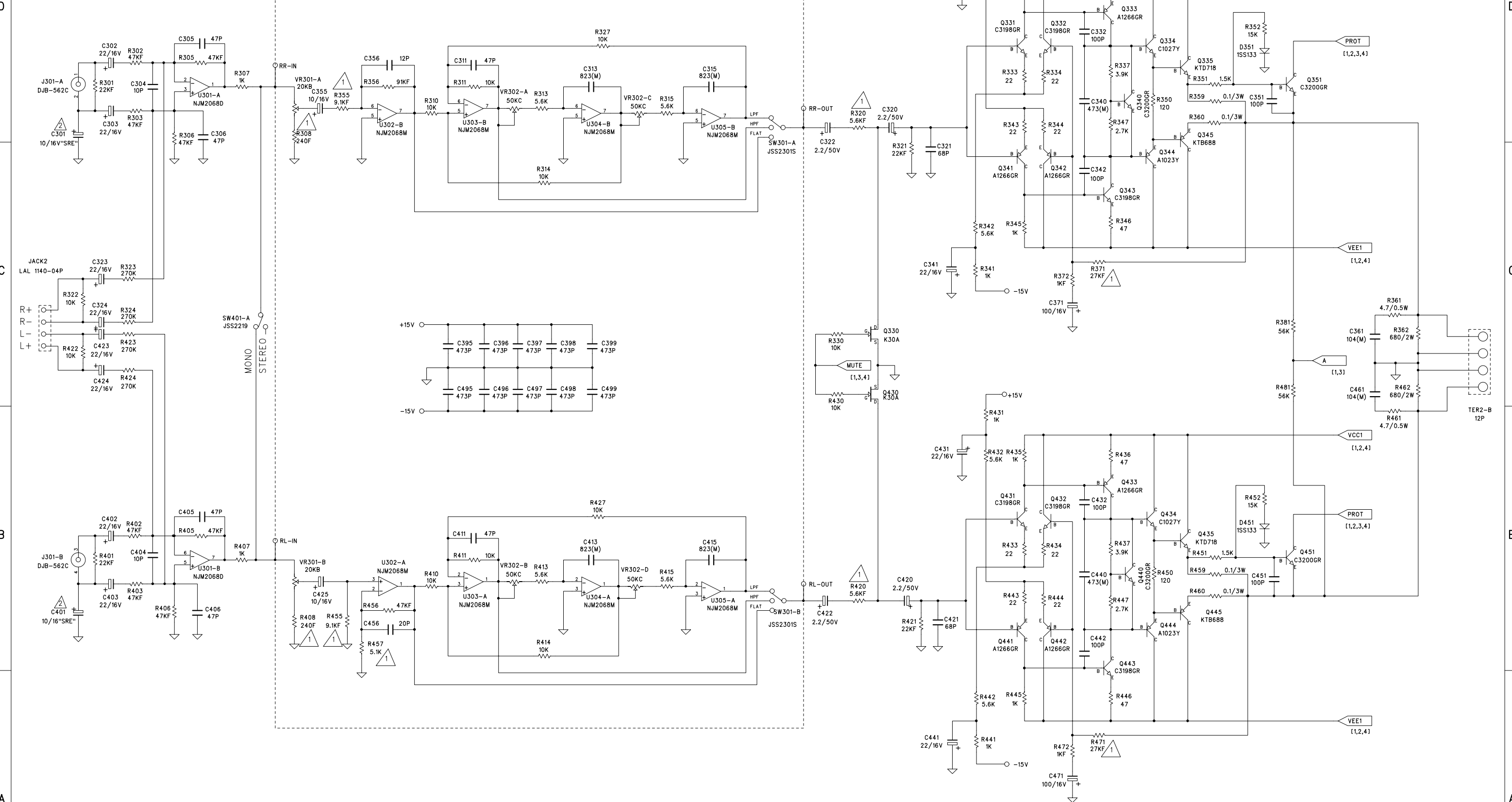
| | | | | | | | | | | | | | | | | |
|-----|--------|-------------|------|----------|-----|--------|-------------|------|----------|-------------|-------------|-----------------|-----------------|----------|------------|--------------------------------------|
| REV | ECN NO | DESCRIPTION | DATE | APPROVED | REV | ECN NO | DESCRIPTION | DATE | APPROVED | BUYER | JBL | DWG DESCRIPTION | | SIGN | DATE | — CHUNG LAM — — DIGITAL CO.,LTD — |
| | | | | | | | | | | BUYER MODEL | GTO 755.6II | SCALE | | DRAW | 2004.02.26 | |
| | | | | | | | | | | ISSUE | A | DWC. NO. | | CHECKED | 2004.02.26 | |
| | | | | | | | | | | SHEET | 4 OF 4 | | CLS - AP - 3039 | APPROVED | 2004.02.26 | |

GTO 755.6II Page2 Schematic

JBL GTO 755.6II



| | | | | | | | | | | | | | | | | |
|-------------|---|-------------|------|----------|-----|--------|-------------|------|-------------|-------------|--------|-----------------|-----------------|------------|------------|--------------------------------------|
| CL 1-40239A | C101,201 102P->10/16V"SRE" | 2004.08.10 | | | | | | | | BUYER | JBL | DWG DESCRIPTION | | SIGN | DATE | — CHUNG LAM — — DIGITAL CO.,LTD — |
| CL 1-40183A | R108,208 820->240F/R257 9.4K->5.1K R105,205 10.2K->9.1K/R111,211 10K->27K R120,220 1K->5.6K | 2004.06.14 | | | | | | | BUYER MODEL | GTO 755.6II | | | DRAW | 2004.08.13 | | |
| REV | ECN NO | DESCRIPTION | DATE | APPROVED | REV | ECN NO | DESCRIPTION | DATE | APPROVED | ISSUE | C | SCALE | DWC. NO. | CHECKED | 2004.08.13 | |
| | | | | | | | | | | SHEET | 1 OF 4 | N/S | CLS - AP - 3039 | APPROVED | 2004.08.13 | |

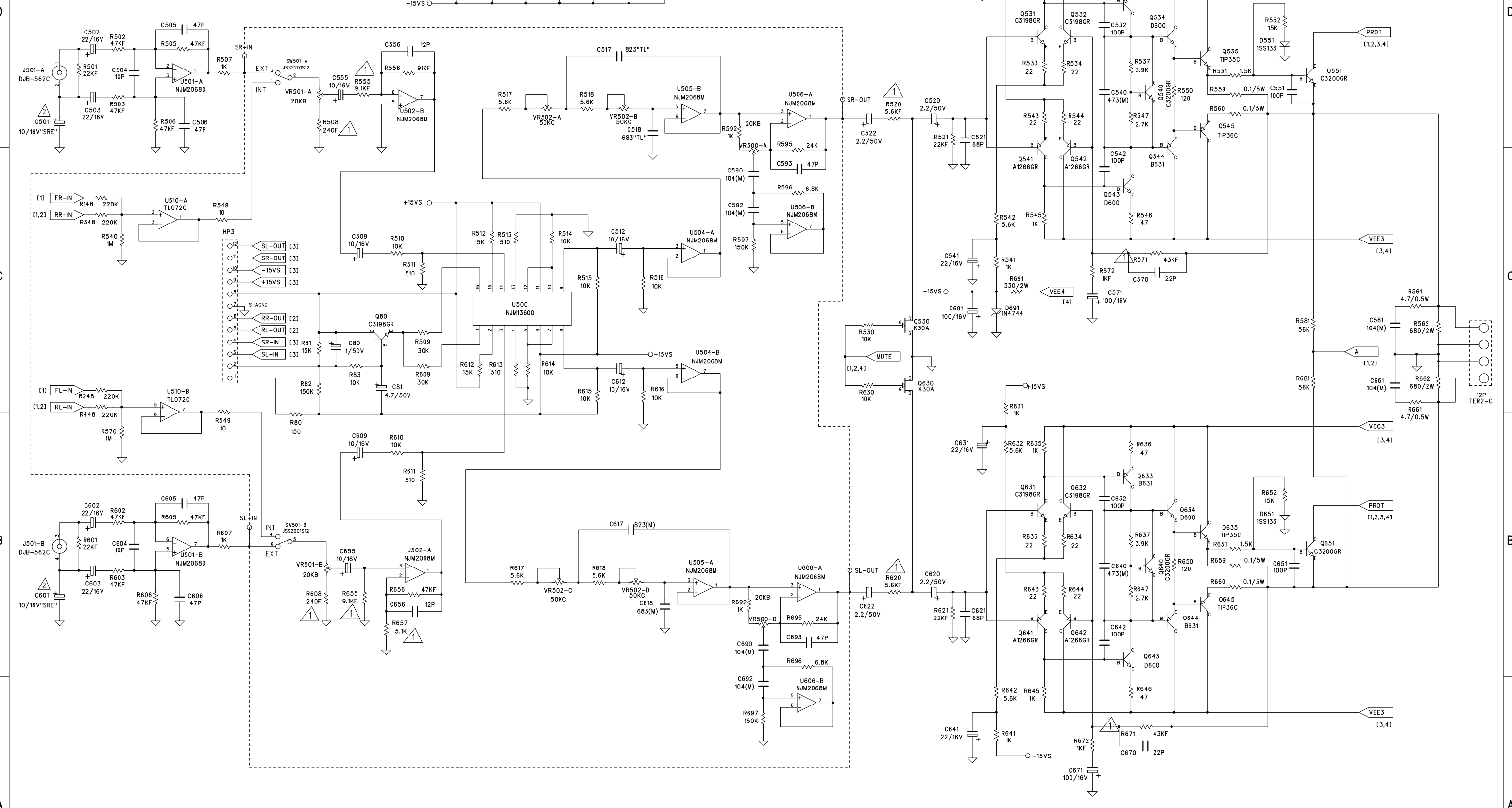


| REV | ECN NO | DESCRIPTION | DATE | APPROVED | REV | ECN NO | DESCRIPTION | DATE | APPROVED | BUYER | JBL | DWG DESCRIPTION | SCALE | DWC. NO. | SIGN | DATE |
|-----|-------------|--|------------|----------|-----|--------|-------------|------|----------|-------------|-------------|-----------------|-------|-----------------|----------|------------|
| 1 | CL 1-40239A | C301,401 102P->101/16V"SRE" | 2004.08.10 | | | | | | | BUYER | JBL | DWG DESCRIPTION | N/S | CLS - AP - 3039 | | |
| 1 | CL 1-40183A | R308,408 820->240F/R457 9.4KF->5.1KF R355,455 15.2KF->9.1KF/R371,471 10KF->27KF R 320,420 1KF->5.6KF | 2004.06.14 | | | | | | | BUYER MODEL | GTO 755.6II | | | | DRAW | 2004.08.13 |
| | | | | | | | | | | ISSUE | C | | | | CHECKED | 2004.08.13 |
| | | | | | | | | | | SHEET | 2 OF 4 | | | | APPROVED | 2004.08.13 |

— CHUNG LAM —
— DIGITAL CO., LTD —

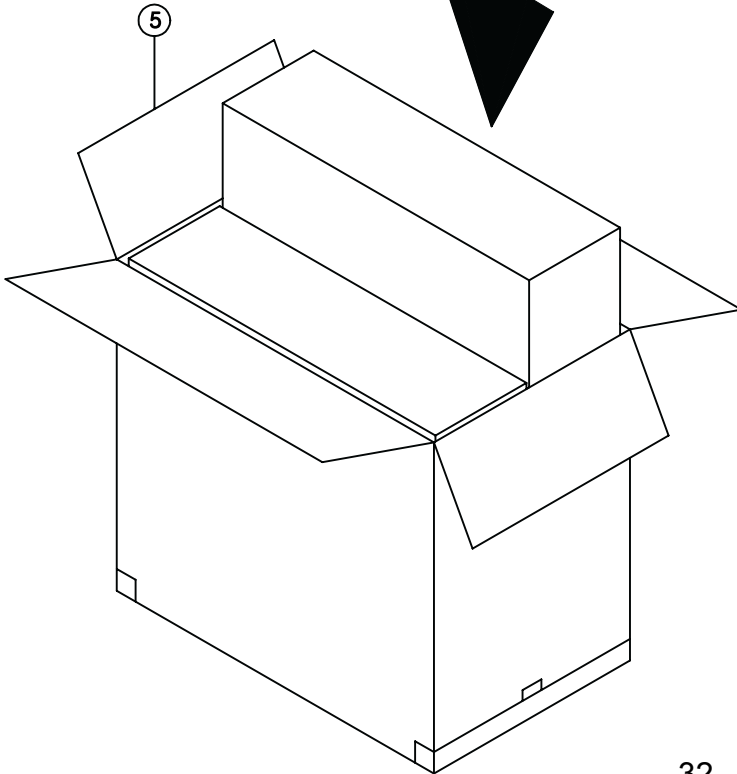
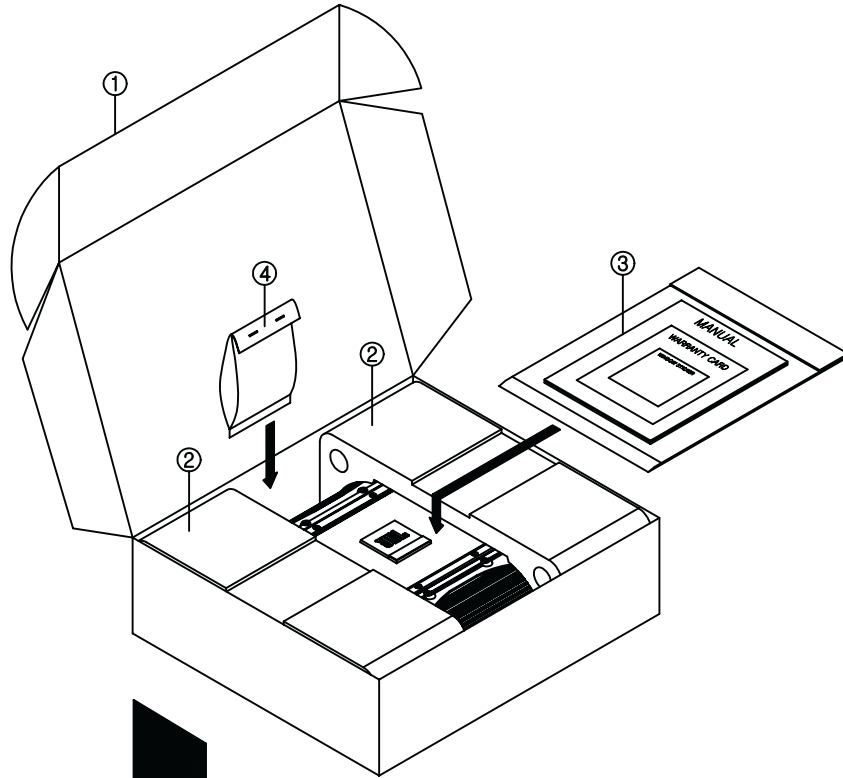
GTO 755.6II Page4 Schematic

JBL GTO 755.6II



| REV | ECN NO | DESCRIPTION | DATE | APPROVED | REV | ECN NO | DESCRIPTION | DATE | APPROVED | BUYER | JBL | DWG DESCRIPTION | SCALE | DWC. NO. | SIGN | DATE | |
|-----|-------------|---|------------|----------|-----|--------|-------------|------|----------|-------|-----|-----------------|-------|----------|------|------|--|
| 1 | CL 1-40239A | C501,601 102P->10/16V"SRE" | 2004.08.10 | | | | | | | | | | | | | | |
| 1 | CL 1-40183A | R505,605 47K->47K / R506,606 47K->47K / R507,607 1K->1K / R508,608 240F->240F / R509,609 30K->30K / R510,610 10K->10K / R511,611 510->510 / R512,612 15K->15K / R513,613 510->510 / R514,614 10K->10K / R515,615 10K->10K / R516,616 10K->10K / R517,617 5.6K->5.6K / R518,618 5.6K->5.6K / R519,619 50K->50K / R520,620 2.2/50V->2.2/50V / R521,621 22K->22K / R522,622 2.2/50V->2.2/50V / R523,623 1K->1K / R524,624 20K->20K / R525,625 24K->24K / R526,626 47P->47P / R527,627 6.8K->6.8K / R528,628 104(M)->104(M) / R529,629 104(M)->104(M) / R530,630 10K->10K / R531,631 1K->1K / R532,632 5.6K->5.6K / R533,633 22->22 / R534,634 22->22 / R535,635 1K->1K / R536,636 47->47 / R537,637 3.9K->3.9K / R538,638 2.7K->2.7K / R539,639 100P->100P / R540,640 473(M)->473(M) / R541,641 1K->1K / R542,642 5.6K->5.6K / R543,643 22->22 / R544,644 22->22 / R545,645 1K->1K / R546,646 47->47 / R547,647 2.7K->2.7K / R548,648 100P->100P / R549,649 0.1/5W->0.1/5W / R550,650 120->120 / R551,651 1.5K->1.5K / R552,652 15K->15K / R553,653 0.1/5W->0.1/5W / R554,654 100P->100P / R555,655 9.1K->9.1K / R556,656 47K->47K / R557,657 5.1K->5.1K / R558,658 0.1/5W->0.1/5W / R559,659 0.1/5W->0.1/5W / R560,660 0.1/5W->0.1/5W / R561,661 4.7/0.5W->4.7/0.5W / R562,662 680/2W->680/2W / R563,663 104(M)->104(M) / R564,664 56K->56K / R565,665 56K->56K / R566,666 4.7/0.5W->4.7/0.5W / R567,667 10K->10K / R568,668 10K->10K / R569,669 10K->10K / R570,670 10K->10K / R571,671 43K->43K / R572,672 1K->1K / R573,673 22P->22P / R574,674 100/16V->100/16V / R575,675 100/16V->100/16V / R576,676 100/16V->100/16V / R577,677 100/16V->100/16V / R578,678 100/16V->100/16V / R579,679 100/16V->100/16V / R580,680 100/16V->100/16V / R581,681 100/16V->100/16V / R582,682 100/16V->100/16V / R583,683 100/16V->100/16V / R584,684 100/16V->100/16V / R585,685 100/16V->100/16V / R586,686 100/16V->100/16V / R587,687 100/16V->100/16V / R588,688 100/16V->100/16V / R589,689 100/16V->100/16V / R590,690 100/16V->100/16V / R591,691 100/16V->100/16V / R592,692 100/16V->100/16V / R593,693 100/16V->100/16V / R594,694 100/16V->100/16V / R595,695 100/16V->100/16V / R596,696 100/16V->100/16V / R597,697 100/16V->100/16V / R598,698 100/16V->100/16V / R599,699 100/16V->100/16V / R600,700 100/16V->100/16V | 2004.06.14 | | | | | | | | | | | | | | |

Packaging Exploded View



| Item | Part Number | Description | Qty |
|------|--------------|------------------------------------|-----|
| 1 | BOX-36-147AA | Gift box carton (GTO755.6) | 1 |
| | BOX-36-147AC | Gift box carton (GTO755.6II) | 1 |
| 2 | INN-42-004A0 | End Pads | 2 |
| 3 | MAN-00-0195A | Owner's manual (USA) (GTO755.6) | 1 |
| | MAN-01-0195Z | Owner's manual (USA) (GTO755.6II) | 1 |
| | MAN-00-0196A | Owner's manual (Europe) (GTO755.6) | 1 |
| 3 | CAR-WA-004A | Warranty Card | 1 |
| 4 | FUS-AT-00006 | Fuse 30A | 2 |
| | SC4-NP-40250 | Mounting screw STT1 PH 4X25 NI | 6 |
| | BKT-14-523A0 | Bracket lamp SK-5/BK | 4 |
| | WIR-00-00208 | Wire Ass'y CHD1140-04P BK | 2 |
| 5 | | Pair Pack carton | 1 |