NAD

SERVICE MANUAL

C 725BEE

STEREO
RECEIVER

# C 725BEE

## STEREO
## RECEIVER

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# PRODUCT SAFETY SERVICING GUIDELINES

CAUTION : DO NOT ATTEMPT TO MODIFY THIS PRODUCT IN ANY WAY. NEVER PERFORM CUSTOMIZED INSTALLATIONS WITHOUT MANUFACTURER'S APPROVAL. UNAUTHORIZED MODIFICATIONS WILL NOT ONLY VOID THE WARRANTY, BUT MAY LEAD TO YOUR BEING LIABLE FOR ANY RESULTING PROPERTY DAMAGE OR USER INJURY.

SERVICE WORK SHOULD BE PERFORMED ONLY AFTER YOU ARE THOROUGHLY FAMILIAR WITH ALL OF THE FOLLOWING SAFETY CHECKS AND SERVICING GUIDELINES. TO DO OTHERWISE, INCREASES THE RISK OF POTENTIAL HAZARDS AND INJURY TO THE USER.

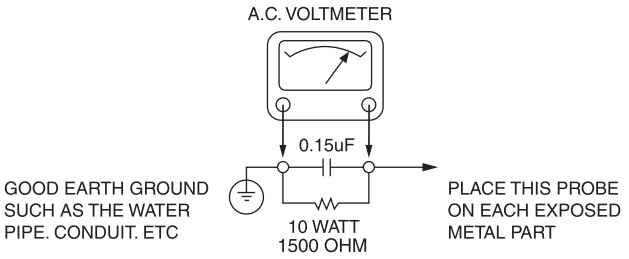
WHILE SERVICING, USE AN ISOLATION TRANSFORMER FOR PROTECTION FROM AC LINE SHOCK.

## SAFETY CHECKS

AFTER THE ORIGINAL SERVICE PROBLEM HAS BEEN CORRECTED. A CHECK SHOULD BE MADE OF THE FOLLOWING.

## SUBJECT : FIRE & SHOCK HAZARD

1. BE SURE THAT ALL COMPONENTS ARE POSITIONED IN SUCH A WAY AS TO AVOID POSSIBILITY OF ADJACENT COMPONENT SHORTS. THIS IS ESPECIALLY IMPORTANT ON THOSE MODULES WHICH ARE TRANSPORTED TO AND FROM THE REPAIR SHOP.
2. NEVER RELEASE A REPAIR UNLESS ALL PROTECTIVE DEVICES SUCH AS INSULATORS, BARRIERS, COVERS, SHIELDS, STRAIN RELIEFS, POWER SUPPLY CORDS, AND OTHER HARDWARE HAVE BEEN REINSTALLED PER ORIGINAL DESIGN. BE SURE THAT THE SAFETY PURPOSE OF THE POLARIZED LINE PLUG HAS NOT BEEN DEFEATED.
3. SOLDERING MUST BE INSPECTED TO DISCOVER POSSIBLE COLD SOLDER JOINTS, SOLDER SPLASHES OR SHARP SOLDER POINTS. BE CERTAIN TO REMOVE ALL LOOSE FOREIGN PARTICLES.
4. CHECK FOR PHYSICAL EVIDENCE OF DAMAGE OR DETERIORATION TO PARTS AND COMPONENTS. FOR FRAYED LEADS, DAMAGED INSULATION (INCLUDING AC CORD). AND REPLACE IF NECESSARY FOLLOW ORIGINAL LAYOUT, LEAD LENGTH AND DRESS.
5. NO LEAD OR COMPONENT SHOULD TOUCH A RECEIVING TUBE OR A RESISTOR RATED AT 1 WATT OR MORE. LEAD TENSION AROUND PROTRUDING METAL SURFACES MUST BE AVOIDED.
6. ALL CRITICAL COMPONENTS SUCH AS FUSES, FLAMEPROOF RESISTORS, CAPACITORS, ETC. MUST BE REPLACED WITH EXACT FACTORY TYPES, DO NOT USE REPLACEMENT COMPONENTS OTHER THAN THOSE SPECIFIED OR MAKE UNRECOMMENDED CIRCUIT MODIFICATIONS.
7. AFTER RE-ASSEMBLY OF THE SET ALWAYS PERFORM AN AC LEAKAGE TEST ON ALL EXPOSED METALLIC PARTS OF THE CABINET, (THE CHANNEL SELECTOR KNOB, ANTENNA TERMINALS. HANDLE AND SCREWS) TO BE SURE THE SET IS SAFET TO OPERATE WITHOUT DANGER OF ELECTRICAL SHOCK. DO NOT USE A LINE ISOLATION TRANSFORMER DURING THIS TEST USE AN AC VOLTMETER, HAVING 5000 OHMS PER VOLT OR MORE SENSITIVITY, IN THE FOLLOWING MANNER; CONNECT A 1500 OHM 10 WATT RESISTOR, PARALLELED BY A .15 MFD, 150V AC TYPE CAPACITOR BETWEEN A KNOWN GOOD EARTH GROUND (WATER PIPE, CONDUIT, ETC.) AND THE EXPOSED METALLIC PARTS, ONE AT A TIME.
   MEASURE THE AC VOLTAGE ACROSS THE COMBINATION OF 1500 OHM RESISTOR AND .15 MFD CAPACITOR.
   REVERSE THE AC PLUG AND REPEAT AC VOLTAGE MEASUREMENTS FOR EACH EXPOSED METALLIC PART.
   VOLTAGE MEASURE MUST NOT EXCEED 75 VOLTS R.M.S. THIS CORRESPONDS TO 0.5 MILLIAMP AC ANY VALUE EXCEEDING THIS LIMIT CONSTITUTES A POTENTIAL SHOCK HAZARD AND MUST BE CORRECTED IMMEDIATELY.




## SUBJECT : GRAPHIC SYMBOLS

THE LIGHTNING FLASH WITH ARROWHEAD SYMBOL, WITHIN AN EQUILATERAL TRIANGLE, IS INTENDED TO ALERT THE USER TO THE PRESENCE OF UNINSULATED "DANGEROUS VOLTAGE" WITHIN THE PRODUCT'S ENCLOSURE THAT MAY BE OF SUFFICIENT MAGNITUDE TO CONSTITUTE A RISK OF ELECTRIC SHOCK.

THE EXCLAMATION POINT WITHIN AN EQUILATERAL TRIANGLE IS INTENDED TO ALERT THE USER TO THE PRESENCE OF IMPORTANT OPERATING AND MAINTENANCE (SERVICING) INSTRUCTIONS IN THE LITERATURE ACCOMPANYING THE APPLIANCE.

## SUBJECT : TIPS ON PROPER INSTALLATION

1. NEVER INSTALL ANY PRODUCT IN A CLOSED-IN RECESS, CUBBYHOLE OR CLOSELY FITTING SHELF SPACE. OVER OR CLOSE TO HEAT DUCT, OR IN THE PATH OF HEATED AIR FLOW.
2. AVOID CONDITIONS OF HIGH HUMIDITY SUCH AS: OUTDOOR PATIO INSTALLATIONS WHERE DEW IS A FACTOR, NEAR STEAM RADIATORS WHERE STEAM LEAKAGE IS A FACTOR, ETC.
3. AVOID PLACEMENT WHERE DRAPERIES MAY OBSTRUCT REAR VENTING. THE CUSTOMER SHOULD ALSO AVOID THE USE OF DECORATIVE SCARVES OR OTHER COVERINGS WHICH MIGHT OBSTRUCT VENTILATION.
4. WALL AND SHELF MOUNTED INSTALLATIONS USING A COMMERCAL MOUNTING KIT MUST FOLLOW THE FACTORY APPROVED MOUNTING INSTRUCTIONS A PRODUCT MOUNTED TO A SHELF OR PLATFORM MUST RETAIN ITS ORIGINAL FEET (OR THE EQUIVALENT THICKNESS IN SPACERS) TO PROVIDE ADEQUATE AIR FLOW ACROSS THE BOTTOM, BOLTS OR SCREWS USED FOR FASTENERS MUST NOT TOUCH ANY PARTS OR WIRING. PERFORM LEAKAGE TEST ON CUSTOMIZED INSTALLATIONS.
5. CAUTION CUSTOMERS AGAINST THE MOUNTING OF A PRODUCT ON SLOPING SHELF OR A TILTED POSITION, UNLESS THE PRODUCT IS PROPERLY SECURED.
6. A PRODUCT ON A ROLL-ABOUT CART SHOULD BE STABLE ON ITS MOUNTING TO THE CART. CAUTION THE CUSTOMER ON THE HAZARDS OF TRYING TO ROLL A CART WITH SMALL CASTERS ACROSS THRESHOLDS OR DEEP PILE CARPETS.
7. CAUTION CUSTOMERS AGAINST THE USE OF A CART OR STAND WHICH HAS NOT BEEN LISTED BY UNDERWRITERS LABORATORIES, INC. FOR USE WITH THEIR SPECIFIC MODEL OF TELEVISION RECEIVER OR GENERICALLY APPROVED FOR USE WITH T.V.'S OF THE SAME OR LARGER SCREEN SIZE.
8. CAUTION CUSTOMERS AGAINST THE USE OF EXTENSION CORDS, EXPLAIN THAT A FOREST OF EXTENSIONS SPROUTING FROM A SINGLE OUTLET CAN LEAD TO DISASTROUS CONSEQUENCES TO HOME AND FAMILY.

# SERVICING PRECAUTIONS

CAUTION : Before servicing the A/V Receiver covered by this service data and its supplements and addends, read and follow the *SAFETY PRECAUTIONS. NOTE* : if unforeseen circumstances create conflict between the following servicing precautions and any of the safety precautions in this publication, always follow the safety precautions.
*Remember Safety First:*

## General Servicing Precautions

1. Always unplug the A/V Receiver AC power cord from the AC power source before:
   (1) Removing or reinstalling any component, circuit board, module, or any other assembly.
   (2) Disconnecting or reconnecting any internal electrical plug or other electrical connection.
   (3) Connecting a test substitute in parallel with an electrolytic capacitor.
   **Caution** : A wrong part substitution or incorrect polarity installation of electrolytic capacitors may result in an explosion hazard.

2. Do not spray chemicals on or near this A/V Receiver or any of its assemblies.

3. Unless specified otherwise in this service data, clean electrical contacts by applying an appropriate contact cleaning solution to the contacts with a pipe cleaner, cottontipped swab, or comparable soft applicator.
   Unless specified otherwise in this service data, lubrication of contacts is not required.

4. Do not defeat any plug/socket B+ voltage interlocks with which instruments covered by this service manual might be equipped.

5. Do not apply AC power to this A/V Receiver and/or any of its electrical assemblies unless all solid-state device heat sinks are correctly installed.

6. Always connect test instrument ground lead to the appropriate ground before connecting the test instrument positive lead. Always remove the test instrument ground lead last.

## Insulation Checking Procedure

Disconnect the attachment plug from the AC outlet and turn the power on. Connect an insulation resistance meter(500V) to the blades of the attachment plug. The insulation resistance between each blade of the attachment plug and accessible conductive parts (Note 1) should be more than 1M-ohm.
**Note 1** : Accessible Conductive Parts including Metal panels, Input terminals, Earphone jacks, etc.

## Electrostatically Sensitive (ES) Devices

Some semiconductor (solid state) devices can be damaged easily by static electricity. Such components commonly are called Electrostatically Sensitive (ES) Devices. Examples of typical Es devices are integrated circuits and some field effect transistors and semiconductor chip components.
The following techniques should be used to help reduce the incidence of component damage caused by static electricity.

1. Immediately before handling any semiconductor component or semiconductor-equipped assembly, drain off any electrostatic charge on your body by touching a known earth ground. Alternatively, obtain and wear a commercially available discharging wrist strap device, which should be removed for potential shock reasons prior to applying power to the unit under test.

2. After removing an electrical assembly equipped with ES devices, place the assembly on a conductive surface such as aluminum foil, to prevent electrostatic charge buildup or exposure of the assembly.

3. Use only a grounded-tip soldering iron to solder or unsolder ES devices.

4. Use only an antistatic solder removal device. Some solder removal devices not classified a “anti-static” can generate electrical charges sufficient to damage ES devices.

5. Do not use freonpropelled chemicals. These can generate electrical charge sufficient to damage ES devices.

6. Do not remove a replacement ES device from its protective package until immediately before you are ready to install it. (Most replacement ES devices are packaged with leads electrically shorted together by conductive foam, aluminum foil, or comparable conductive material).

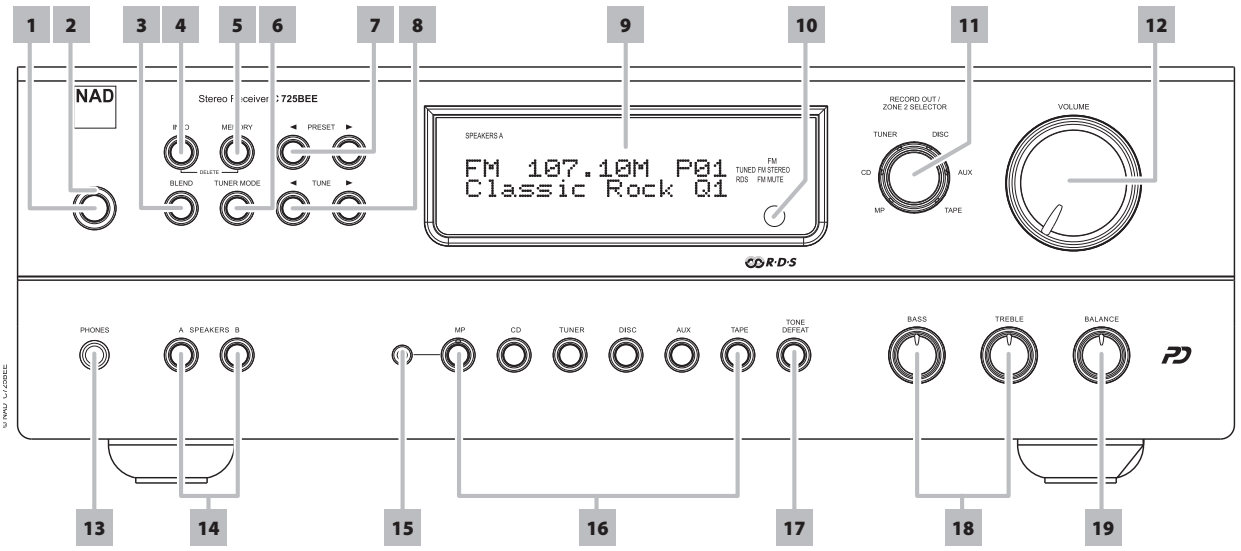
7. Immediately before removing the protective material from the leads of a replacement ES device, touch the protective material to the chassis or circuit assembly into which the device will be installed.

   Caution : Be sure no power is applied to the chassis or circuit, and observe all other safety precautions.

8. Minimize bodily motions when handing unpackaged replacement ES devices. (Normally harmless motion such as the brushing together of your clothes fabric or the lifting of your foot from a carpeted floor can generate static electricity sufficient to damage an ES device.)

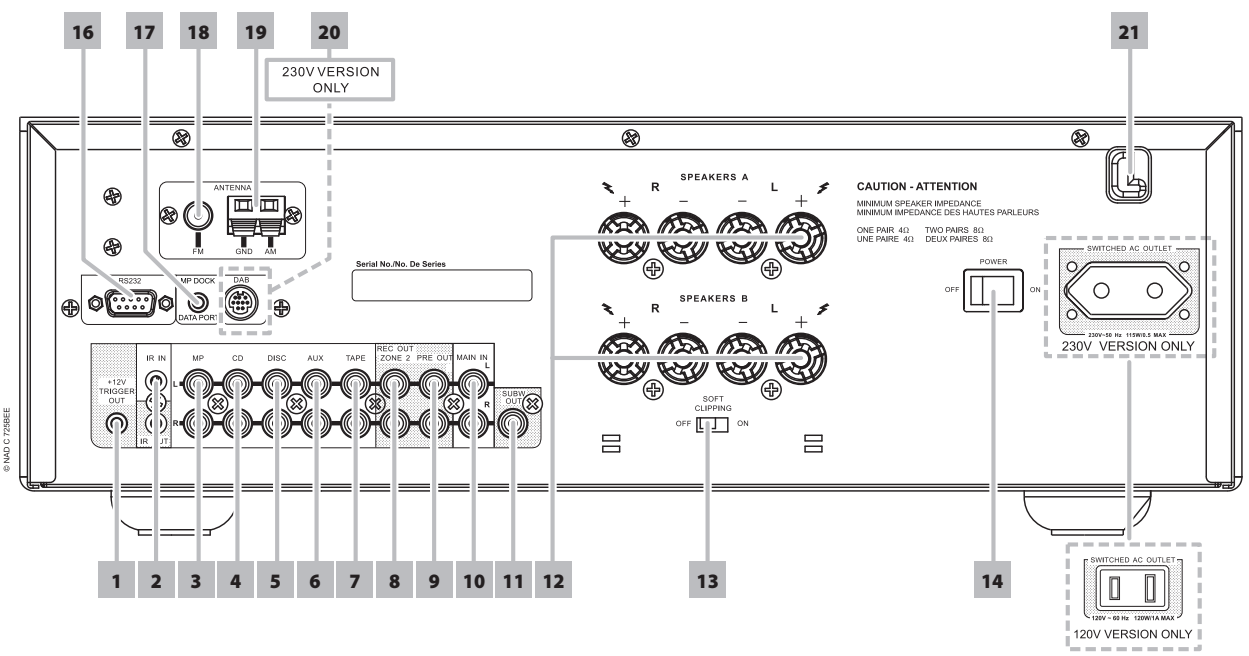
# IDENTIFICATION OF CONTROLS

## FRONT PANEL




1. Power
2. Power/Standby /Protection/Led
3. Blend
4. Info
5. Memory
6. Tuner Mode
7. Preset
8. Tune
9. VFD
10. IR Receiver
11. Record out / Zone 2 selector
12. Volume
13. Headphone
14. Speaker A & B
15. MP input
16. Input selector
17. Tone defeat
18. Tone controls
19. Balance

## REAR PANEL




1. +12V trigger out
2. IR in / out
3. MP input
4. CD input
5. DISC input
6. AUX input
7. TAPE input
8. REC out
9. PRE out
10. Main in
11. Sub out
12. Speaker out
13. Soft Clipping
14. ON / OFF power(AC) switch
15. Switched AC outlet
16. RS232 input
17. MP Dock data port
18. Antenna (FM)
19. Antenna(AM)
20. DAB input (230V version only)

# SPECIFICATIONS

## POWER AMPLIFIER SECTION
## STEREO MODE

| | |
|---|---|
| **CONTINUOUS AVERAGE POWER OUTPUT INTO 8 OHMS OR 4 OHMS**<br>(Min. power per channel, 20 Hz – 20 kHz, with no more than rated distortion) | **50 W (17 dBW)** |
| Rated Distortion<br>(THD 20 Hz – 20 kHz) | **0.03%** |
| Clipping power<br>(maximum continuous power per channel 4 and 8). | **52 W** |
| IHF dynamic headroom: at 8 ohms | **+ 2.4 dB** |
| at 4 ohms | **+ 4.4 dB** |
| IHF dynamic power<br>(maximum short term power per channel) | |
| 8 ohms: | **160 W (20.4 dBW)** |
| 4 ohms: | **220 W (22.0 dBW)** |
| 2 ohms: | **270 W (23.2 dBW)** |
| Damping factor<br>(ref. 8 ohms 1 kHz) | **> 100** |
| Input Impedance | **R = 20 kohms**<br>**C = 1 nF** |
| Input sensitivity (for rated output into 8 ohms) | **780 mV** |
| Voltage gain | **29 dB** |
| Frequency response 20 Hz – 20 kH | **± 0.1 dB** |
| Signal / Noise ratio, A-weighted | **100 dB ref. 1 W**<br>**119 dB ref. 50 W** |
| THD + Noise<br>(Total Harmonic Distortion, 20 Hz – 20 kHz, from 250 mW to rated output) | **< 0.03%** |
| SMPTE I.M.<br>(Intermodulation Distortion, 60 Hz + 7 kHz, 4:1, from 250 mW to rated output) | **< 0.01%** |
| IHF I.M.<br>(CCIF IM Distortion, 19 + 20 kHz at rated output) | **< 0.01%** |
| Headphones Output Impedance | **220 ohms** |

## PREAMPLIFIER SECTION

### LINE LEVEL INPUTS
(MP, CD, Disc, Aux, Tape)

| | |
|---|---|
| Input impedance (R and C) | **22 kohms + 100 pF** |
| Input sensitivity (ref. rated power) | 32**0 mV** |
| Maximum input signal | **> 4.5V** |
| Signal / Noise ratio, A-weighted<br>(from CD Input to Speakers Output, Volume Setting for 500mV in , 8ohms 1W out) | **97.0 dB ref. 1W** |
| Signal to noise ratio preamp out, IHF "A" weighted | **110 dB re 500mV** |
| Frequency response, 20 Hz – 20 kHz | **< +/-0.1 dB (tone defeat on**)<br>**< +/-0.2 dB (tone defeat off)** |
| THD + Noise, SMPTE IM | **< 0.01% at 5 V out** |

### LINE LEVEL OUTPUTS

| | | | |
|---|---|---|---|
| Pre-amp output impedance | | | **80 ohms** |
| Tape output impedance | | | **Source Z + 1kohms** |
| Maximum output level | pre-amp out | : | **> 11 V** |
| | Tape-out | : | **> 10 V** |

### CONTROLS

| | |
|---|---|
| Treble | **+/- 5 dB at 10 kHz** |
| Bass | **+/- 8 dB at 100 Hz** |

### IR IN and OUT

| | |
|---|---|
| Input Resistance | **> 10 kohms** |
| Input Voltage | **Min 5 V** |
| Output Resistance | **< 30 ohms** |

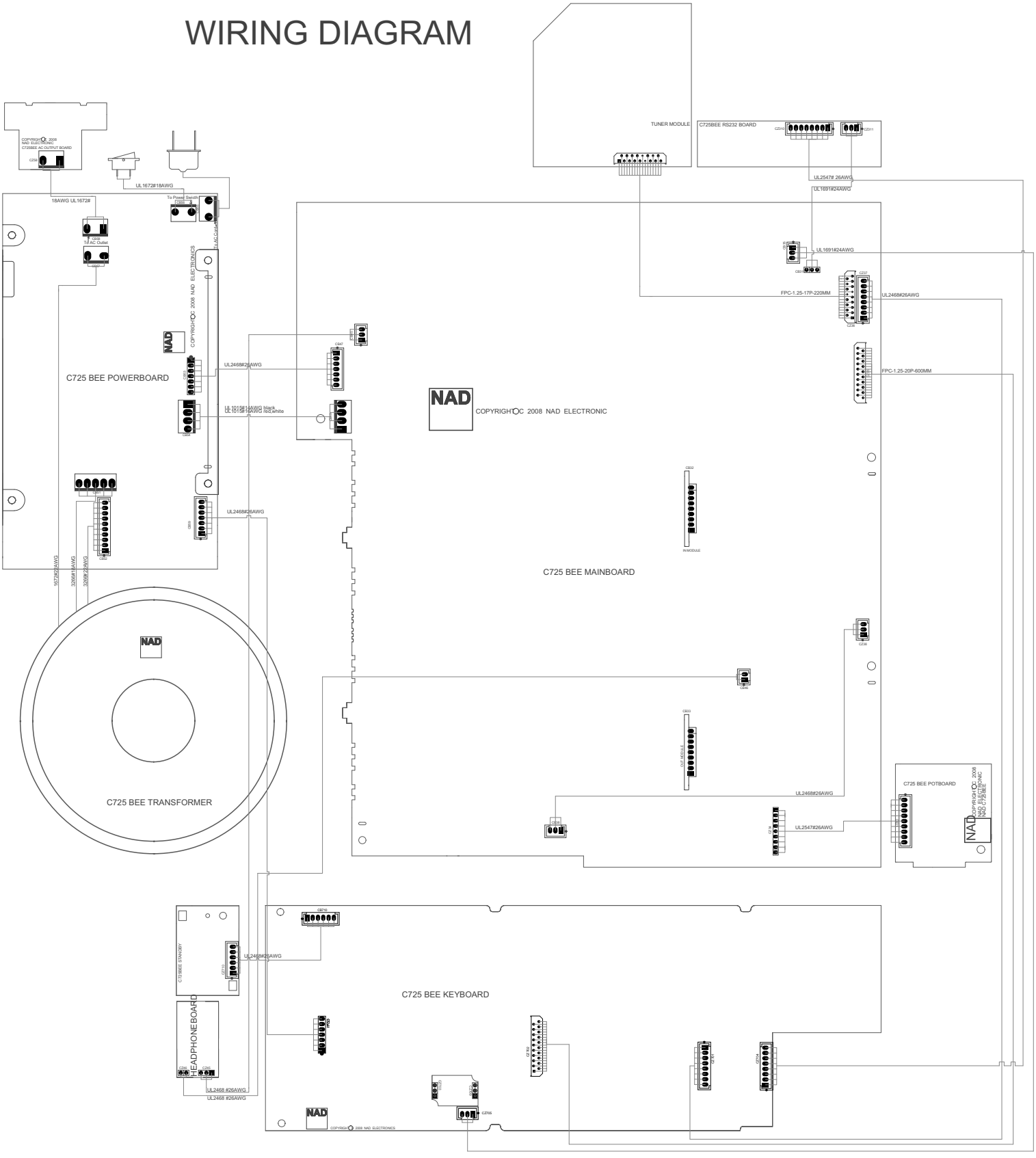
### TRIGGER Out

| | |
|---|---|
| Output Current | **50 mA** |
| Output Voltage | **12 V** |

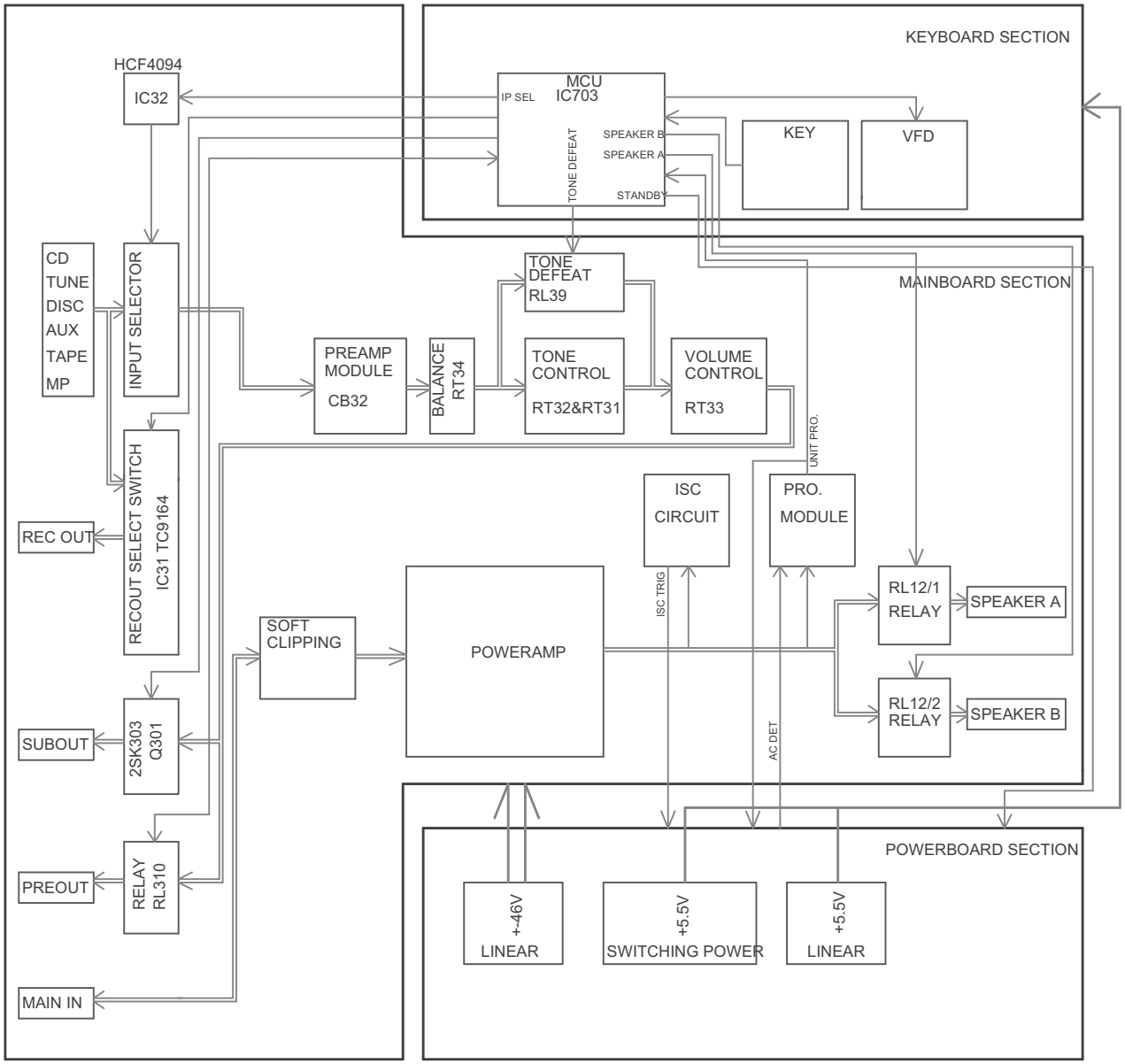
### DIMENSIONS AND WEIGHTS

| | |
|---|---|
| Net Weight | **9.4 kg ( 20.7 lb)** |
| Shipping Weight | **11 kg ( 22 lb)** |
| DIMENSION (W×H×D) | **435 × 149 ×396MM** |

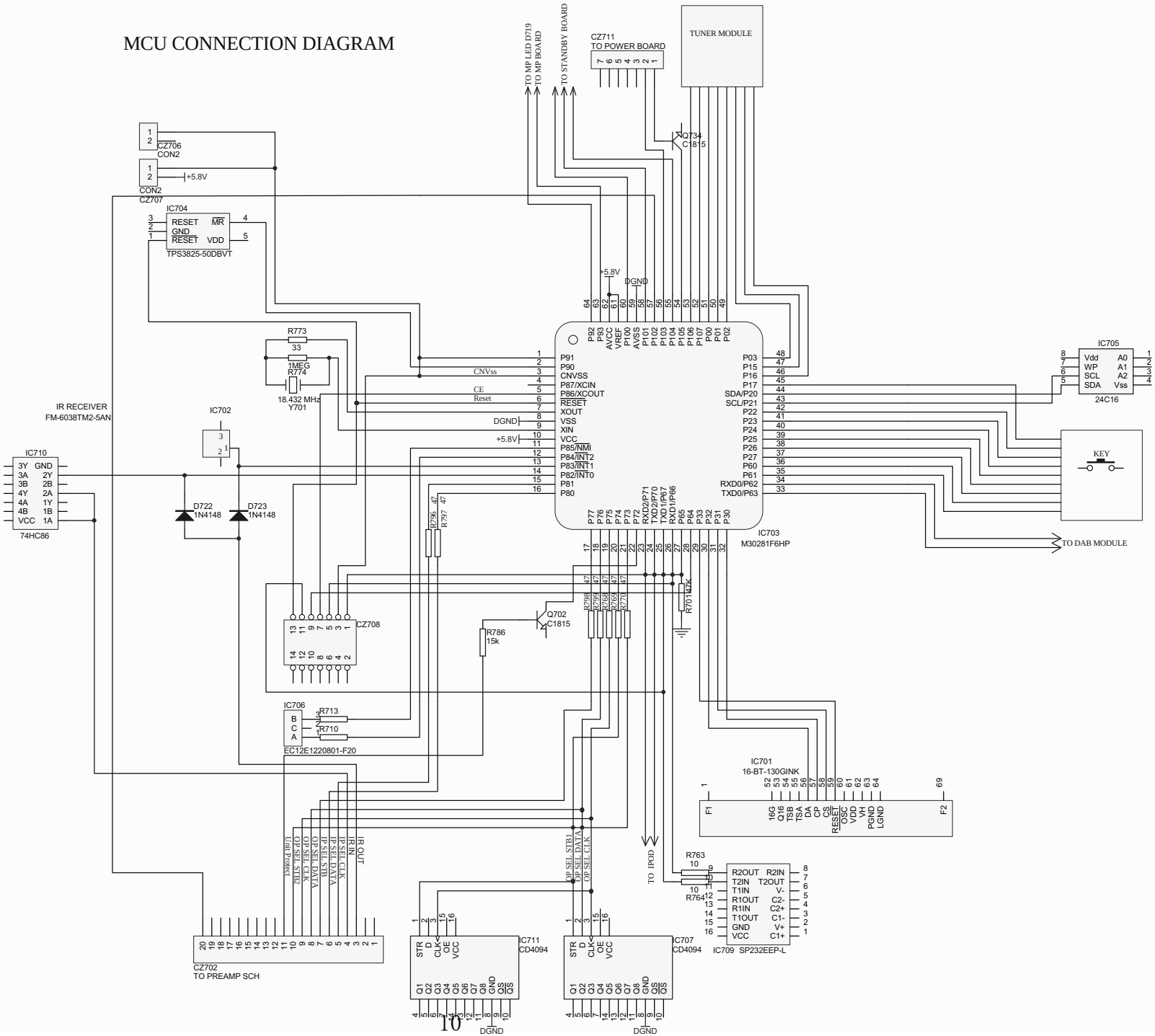
# WIRING DIAGRAM



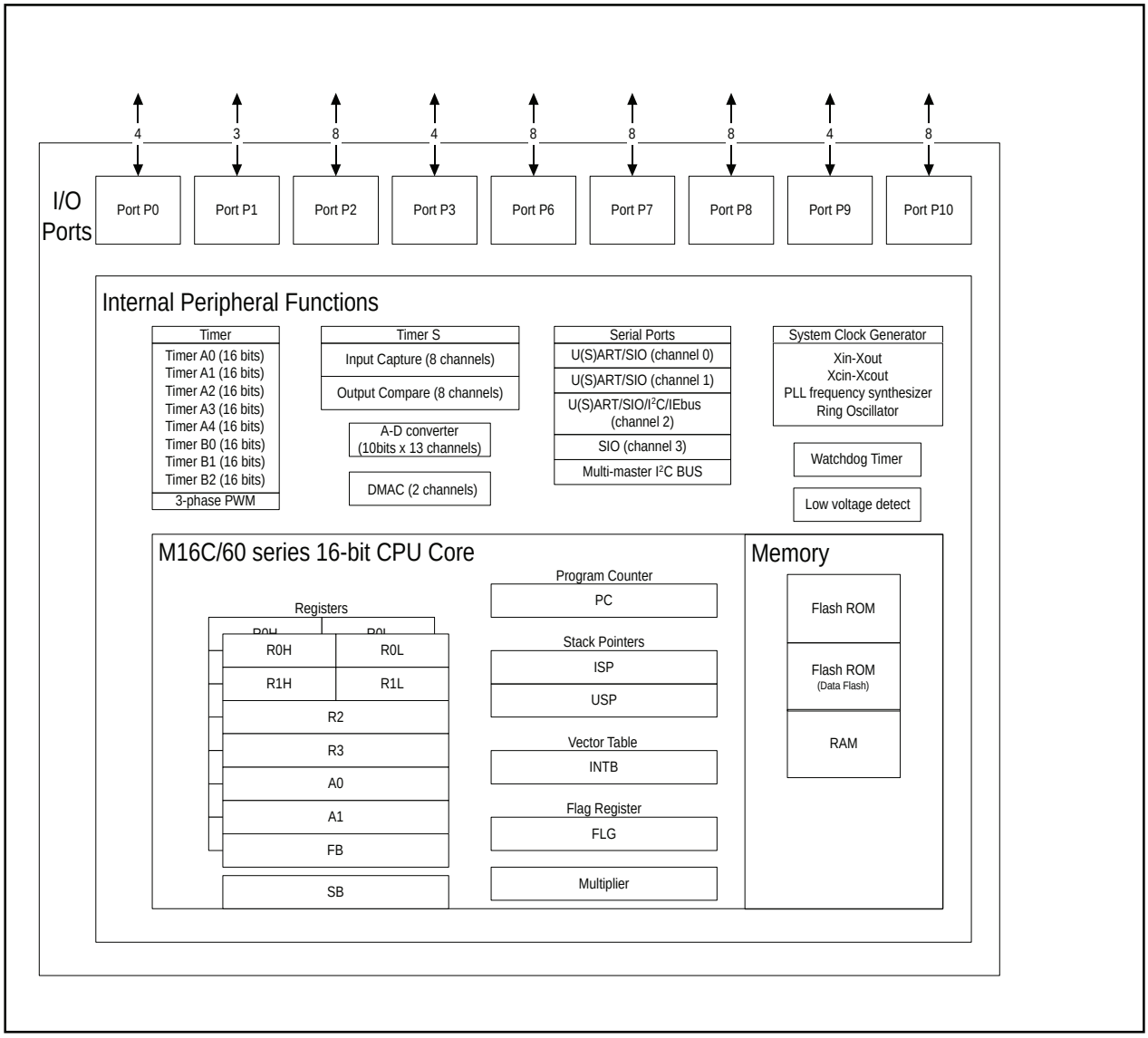
# BLOCK DIAGRAM



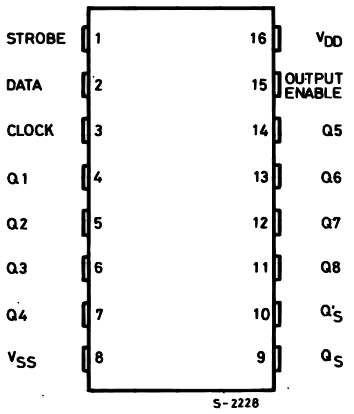
# MCU CONNECTION DIAGRAM

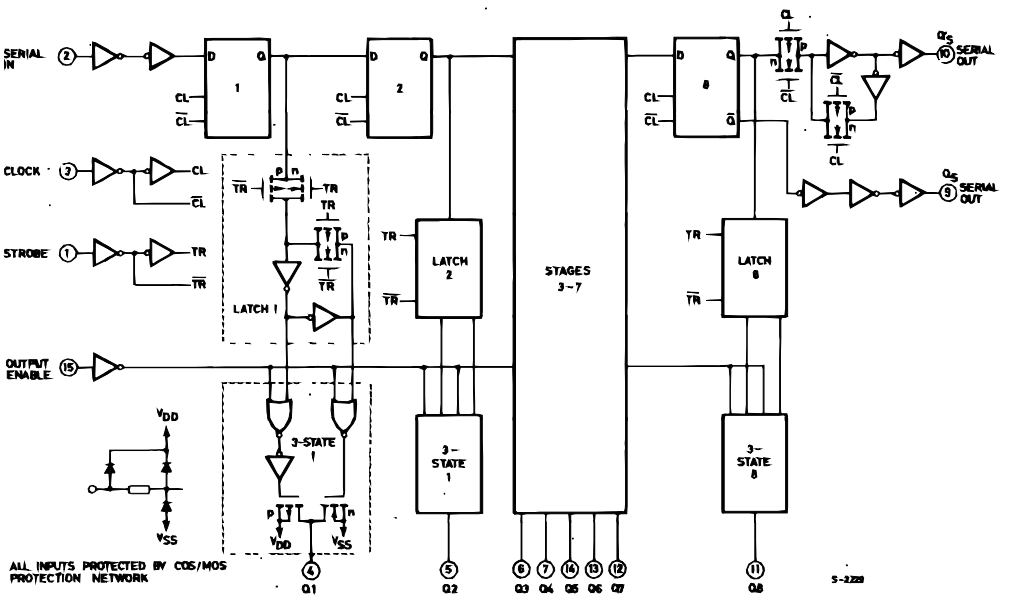


**MCU**
**30281FA**
**KEY BOARD IC703**

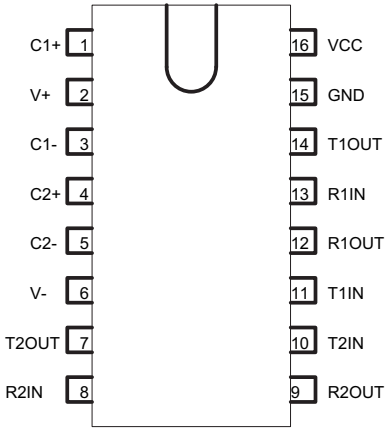


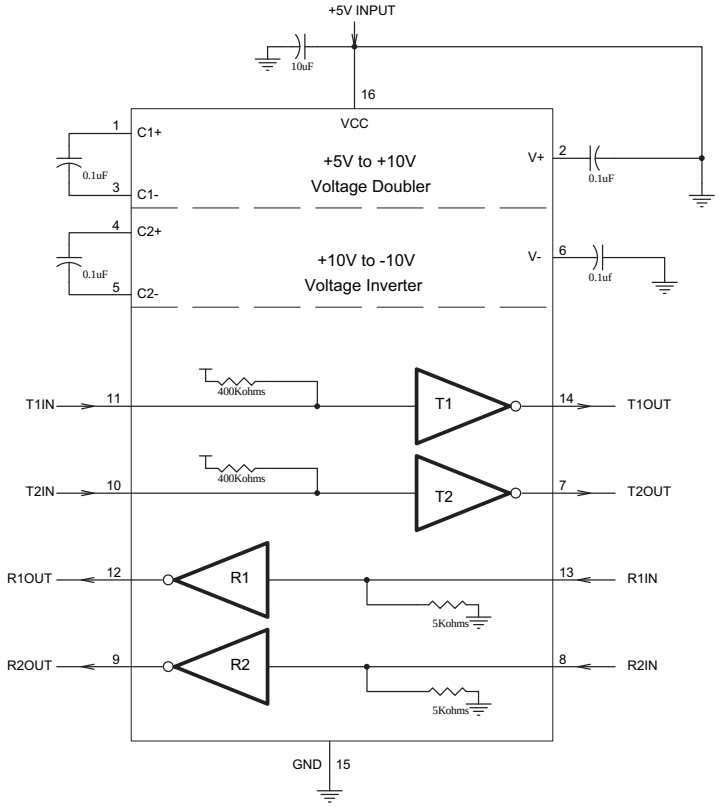
**CD4094**
**KEYBOARD:IC707 IC711**
**MAINBOARD:IC32**



IC709
keyboard,SP232EEP



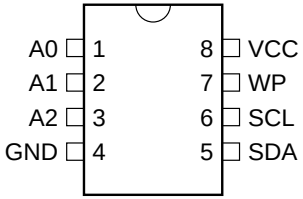



24C16

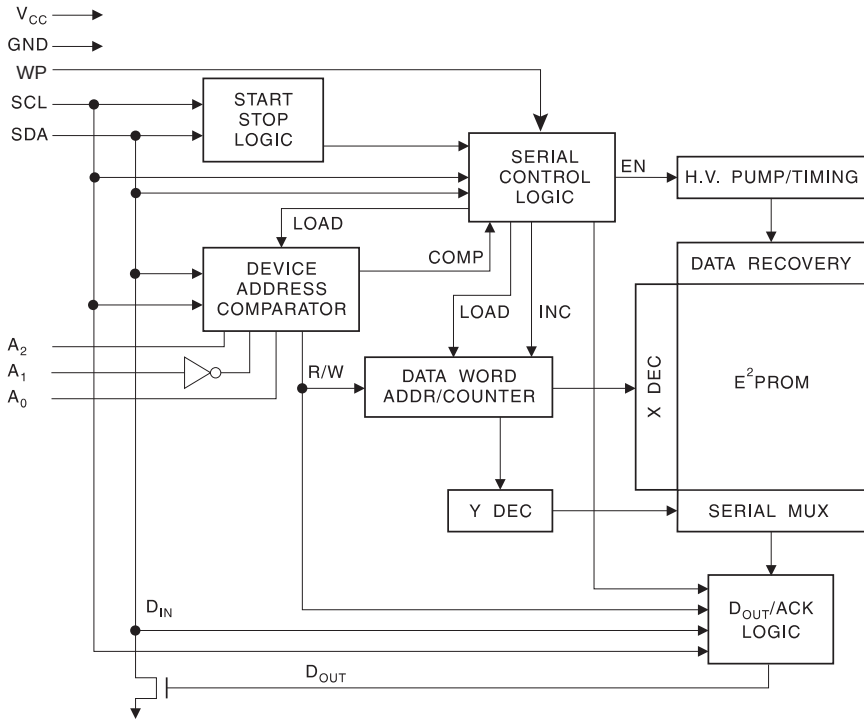
KEY BOARD：IC705

## PIN CONFIGURATION

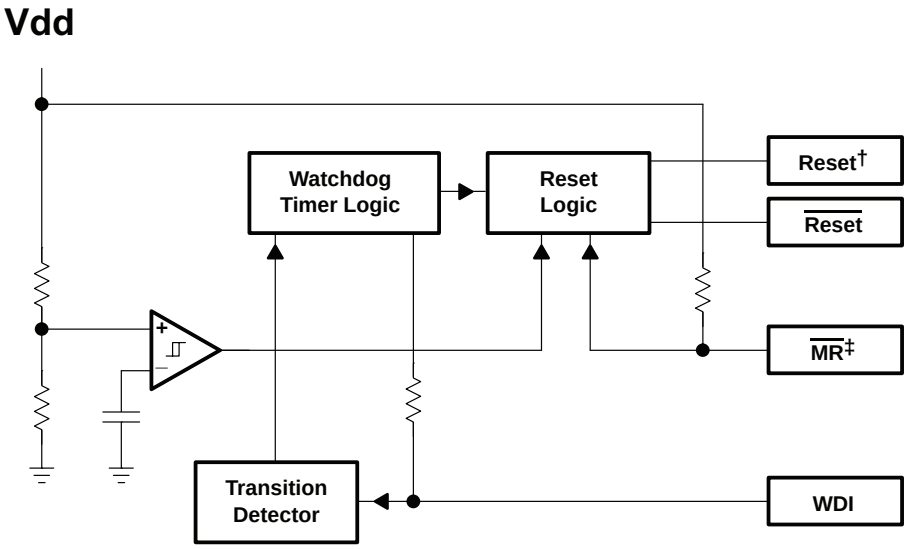
8-Pin PDIP




## FUNCTIONAL BLOCK DIAGRAM



**PROCESSOR SUPERVISORY CIRCUIT**
**TPS3825**
**KEY BOARD IC704**
**BLOCK DIAGRAM:**



# 74HC86 KEY BOARD IC710

## Quad 2-input EXCLUSIVE-OR gate

**PIN DESCRIPTION**

| PIN NO. | SYMBOL | NAME AND FUNCTION |
|---|---|---|
| 1, 4, 9, 12 | 1A to 4A | data inputs |
| 2, 5, 10, 13 | 1B to 4B | data inputs |
| 3, 6, 8, 11 | 1Y to 4Y | data outputs |
| 7 | GND | ground (0 V) |
| 14 | $V_{CC}$ | positive supply voltage |

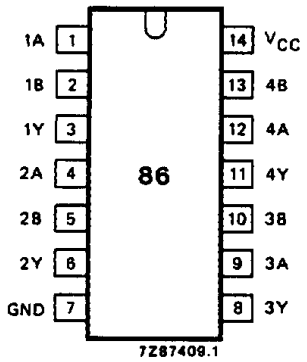



Fig.1 Pin configuration.

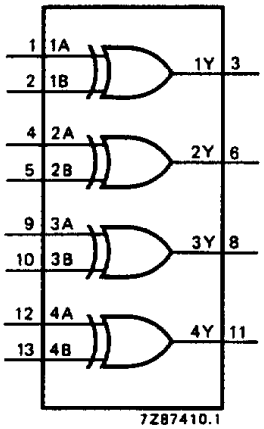



Fig.2 Logic symbol.

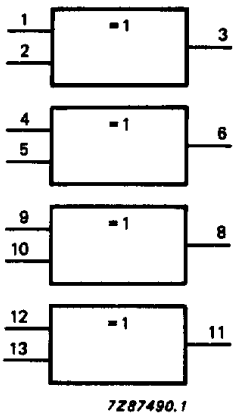
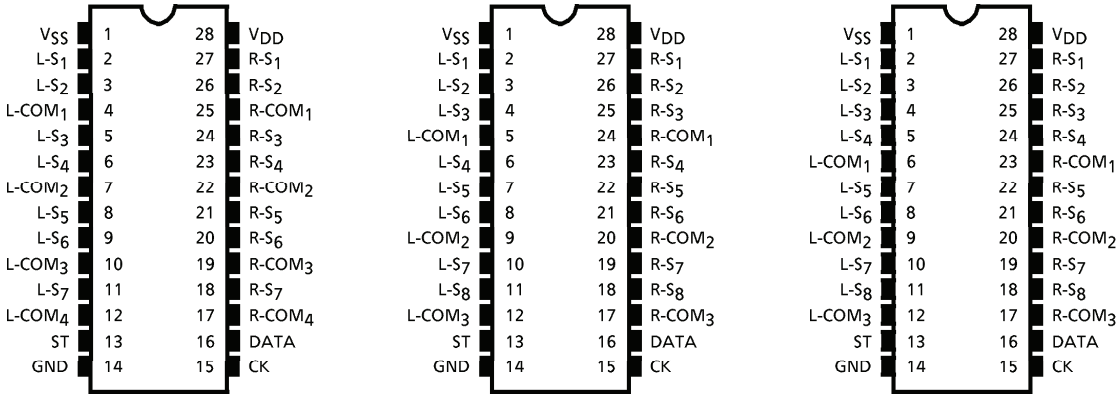



Fig.3 IEC logic symbol.

**TC9164**
**MAINBOARD:IC31**
**PIN CONNECTION:**

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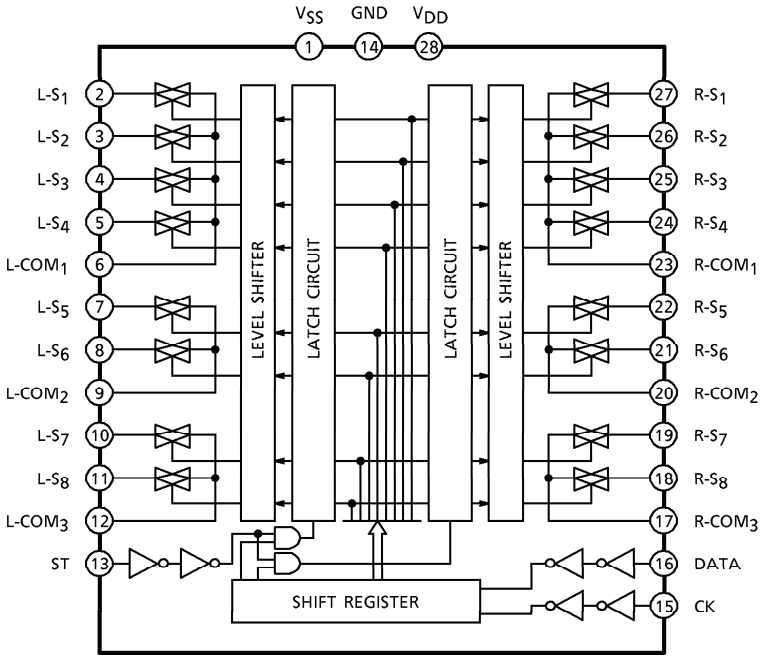
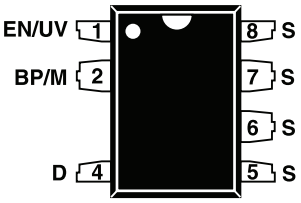


**TNY274**
**POWERBOARD:IC51**

## PIN CONNECTION :

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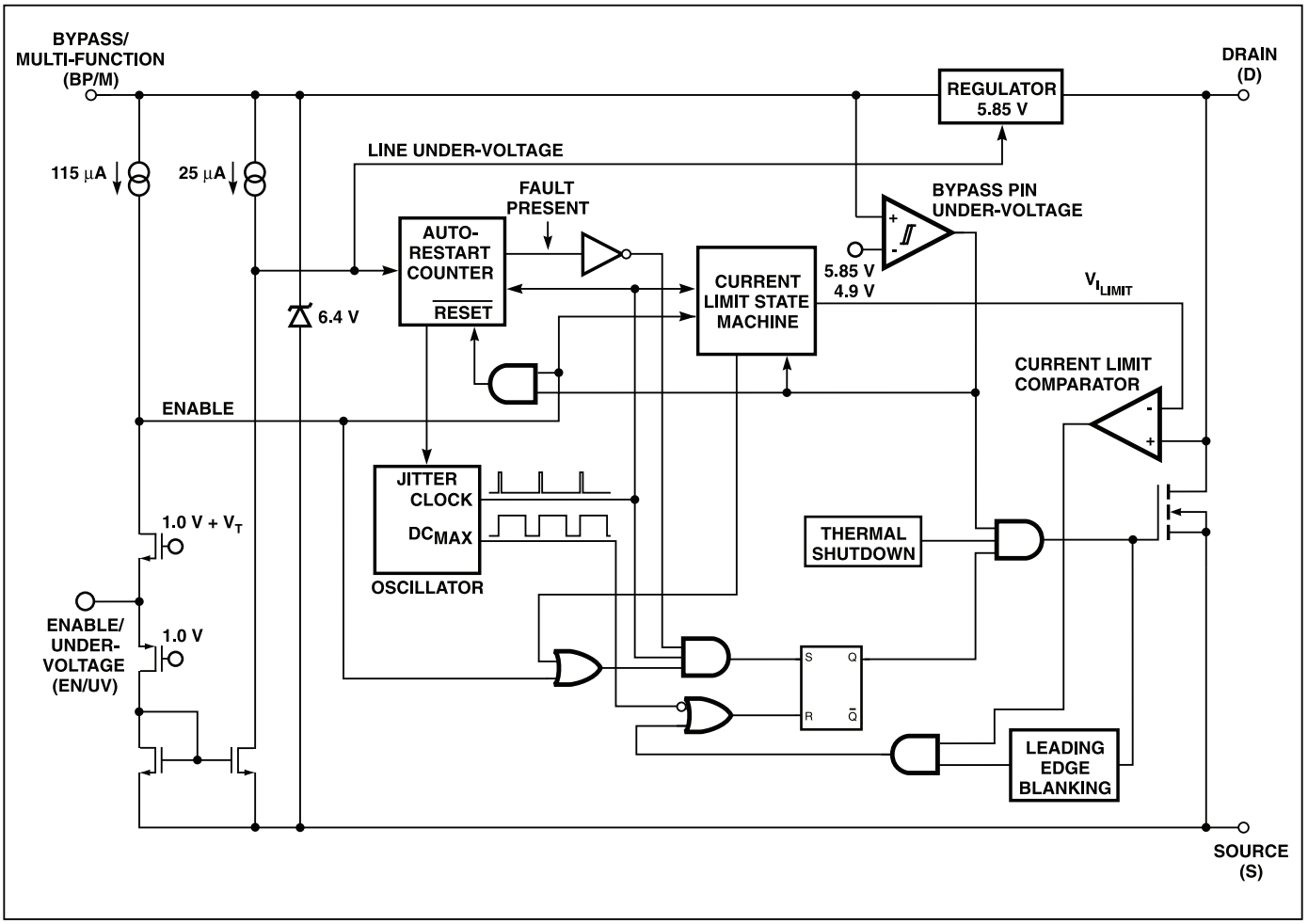


# ALIGNMENT PROCEDURES

## I. INITIAL

A. LOWEST VOLUME ADJUSTMENT

1. Tune the volume pot to lowest state.
2. Input a high voltage signal such as 5V from CD input.
3. Connect a oscilloscope to L channel binding posts.
4. Observing the oscilloscope,adjust VR301,make the output of speakers become to the lowest level.
5. Adjusting VR302,make R channel output become to the lowest level by same way.

B. IDLING CURRENT

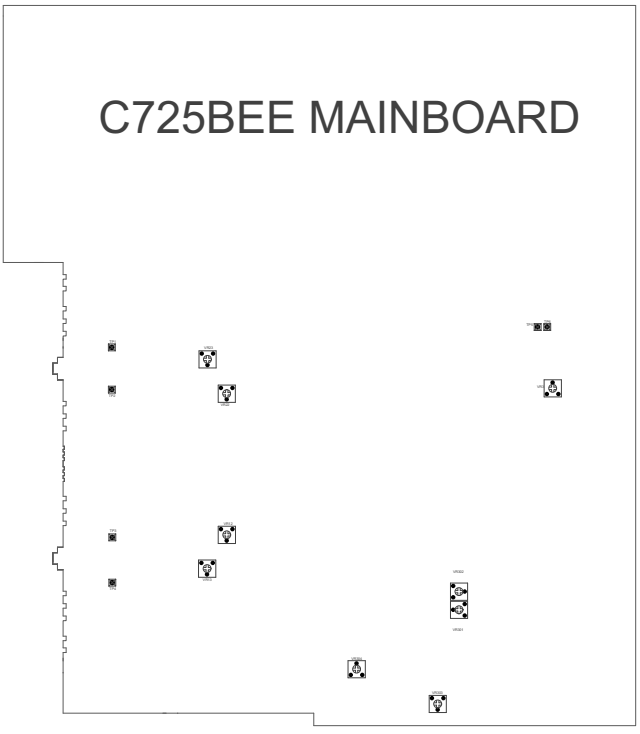
1. Power on
2. Running 5 minutes with no signal
3. Connect a DC voltmeter toTP1 and TP2 ,adjust VR22/VR23 for 6mV reading on voltmeter.
4. Connect a DC voltmeter toTP3 and TP4 ,adjust VR12/VR13 for 6mV reading on voltmeter.

C.ISC CIRCUIT ORIGINAL ADJUSTING

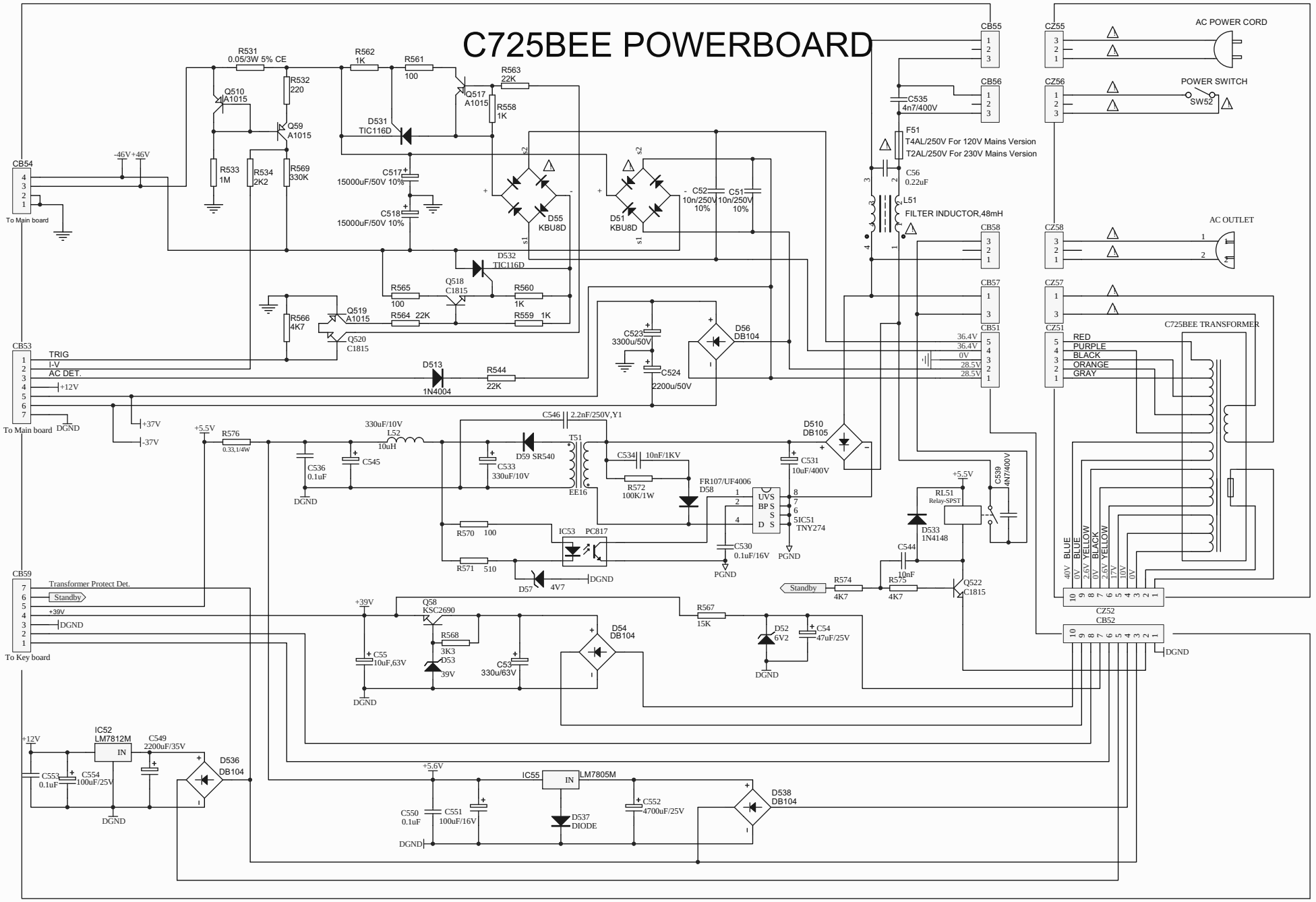
Adjust the pot VR3 to make the DC voltage of the point of TP5 to the same as TP6

## II. FINAL ADJUSTMENT

Repeat procedure A,B and C for the lowest volume level, idling current alignment and ISC original level respectively.

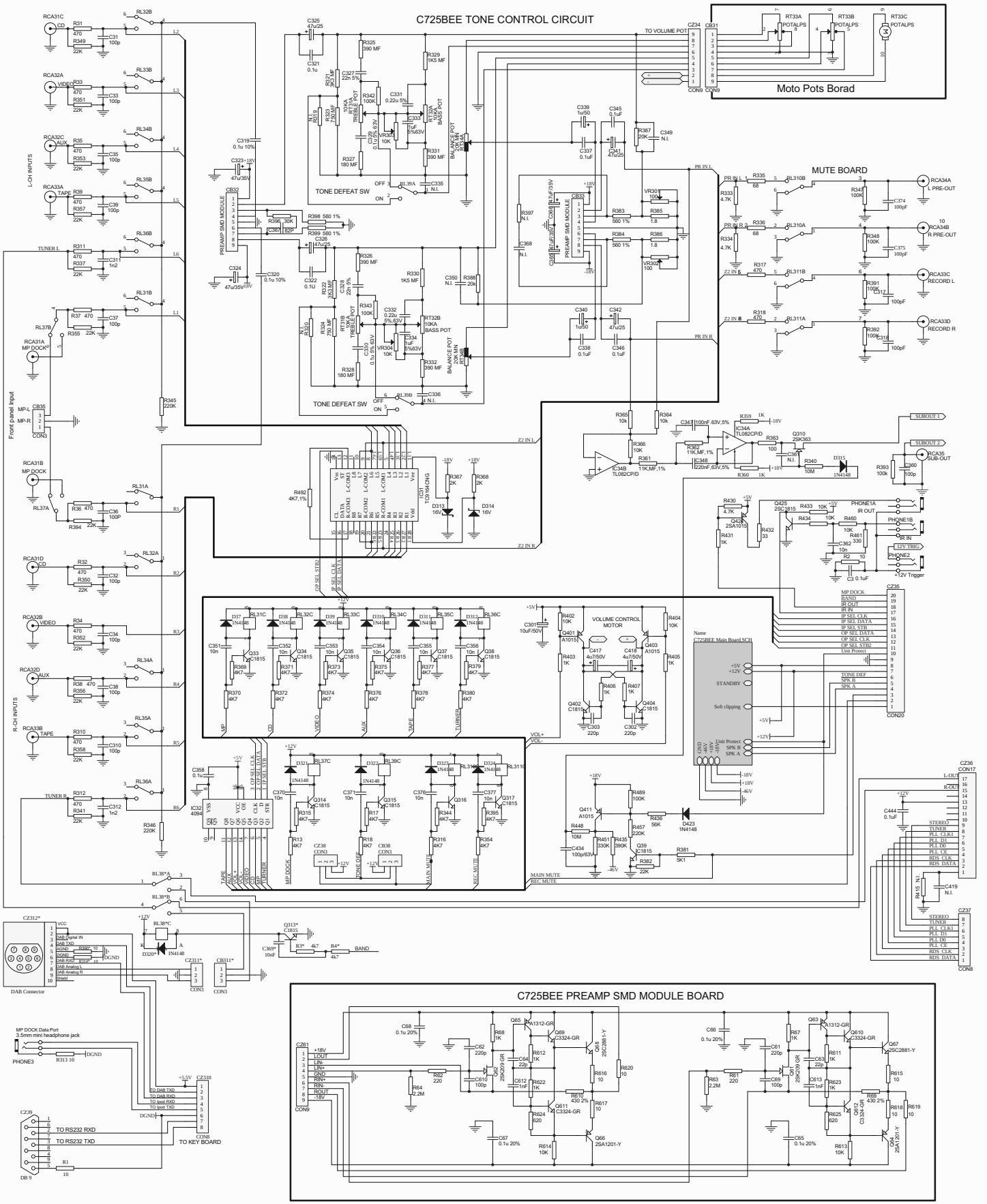


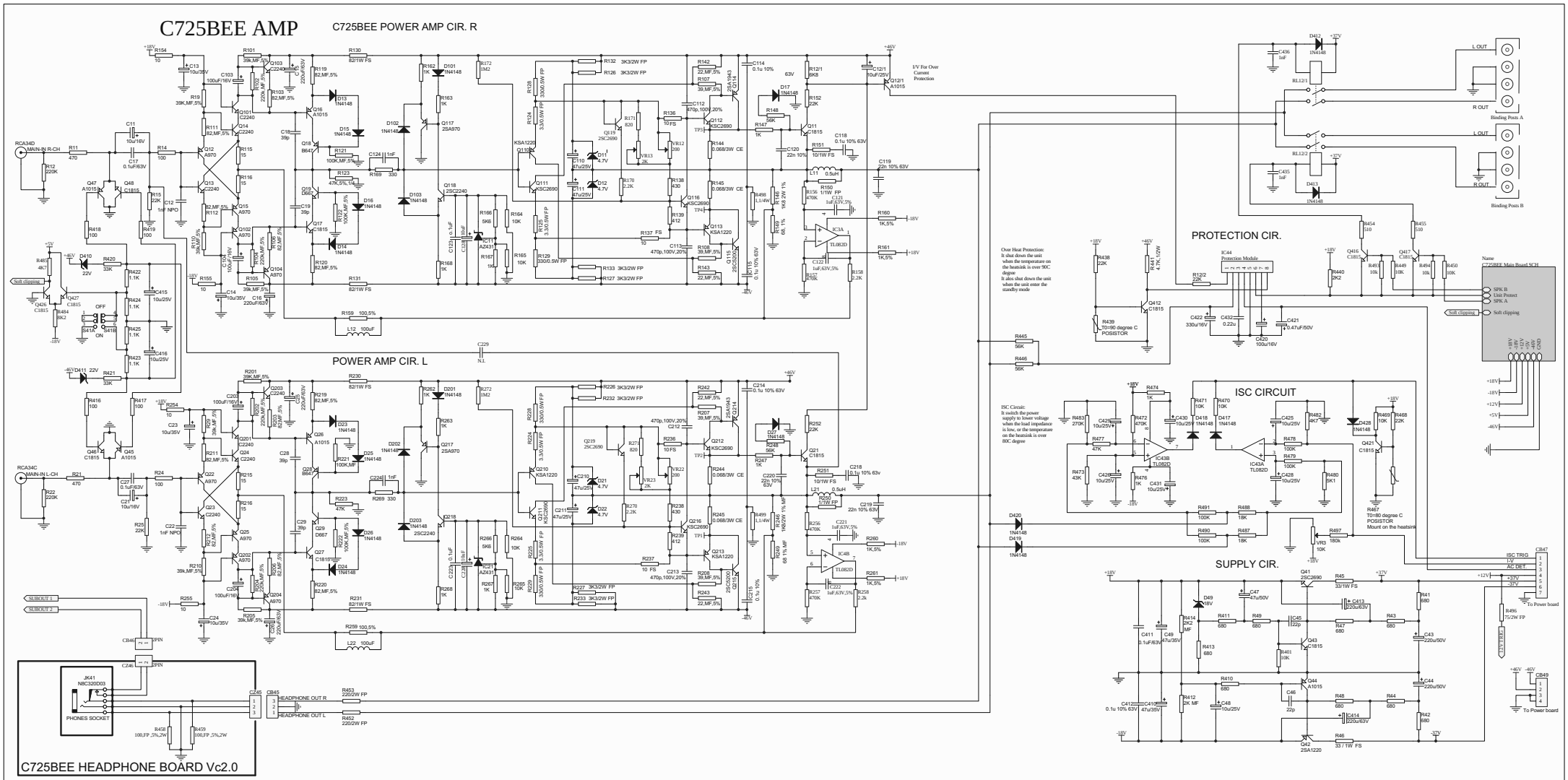
# C725BEE POWERBOARD



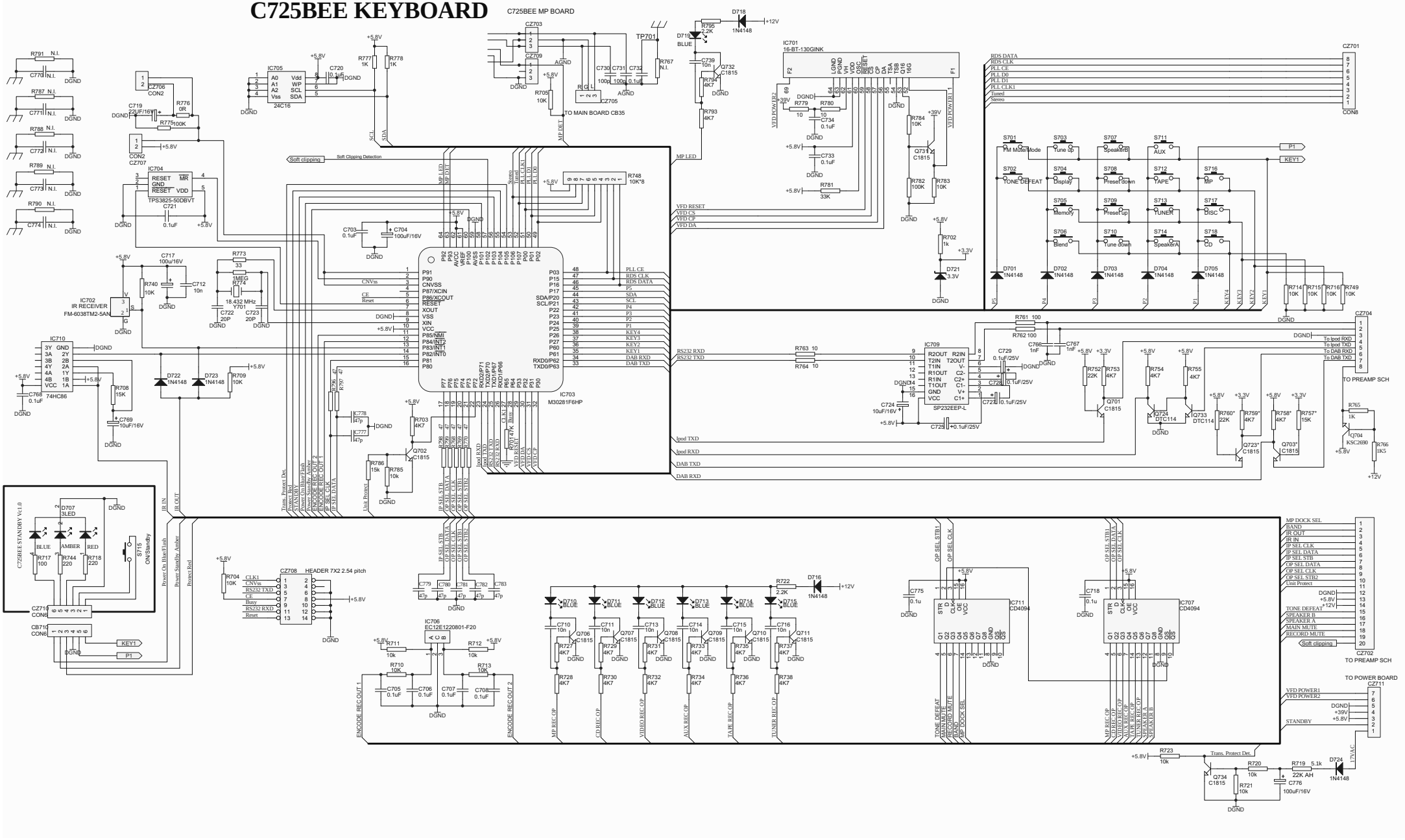
C725BEE INPUT SELECT CIRCUIT

# C725BEE PREAMP

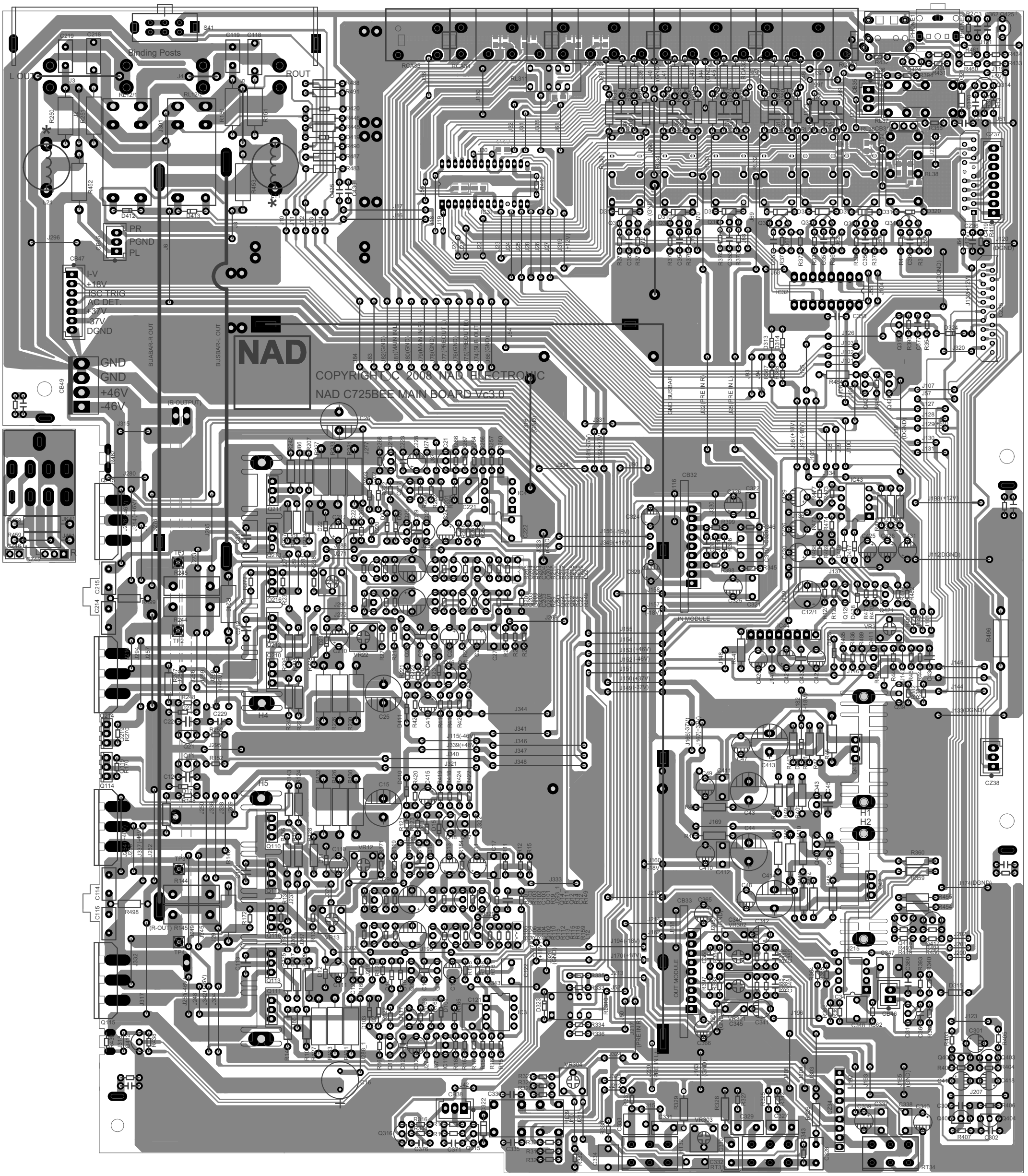



C725BEE AMP
C725BEE POWER AMP CIR. R
POWER AMP CIR. L
PROTECTION CIR.
ISC CIRCUIT
SUPPLY CIR.
C725BEE HEADPHONE BOARD Vc2.0
PHONES SOCKET
Soft clipping
Over Heat Protection:
It shut down the unit when the temperature on the heatsink is over 80C degree.
It also shut down the unit when the unit enter the standby mode
ISC Circuit:
It switch the power supply to lower voltage when the load impedance is low, or the temperature on the heatsink is over 80C degree
I/V For Over Current Protection
L OUT
R OUT
Binding Posts A
Binding Posts B
SPK B
Unit Protect
SPK A
ISC TRIG
AC DET.
To Power board

# C725BEE KEYBOARD

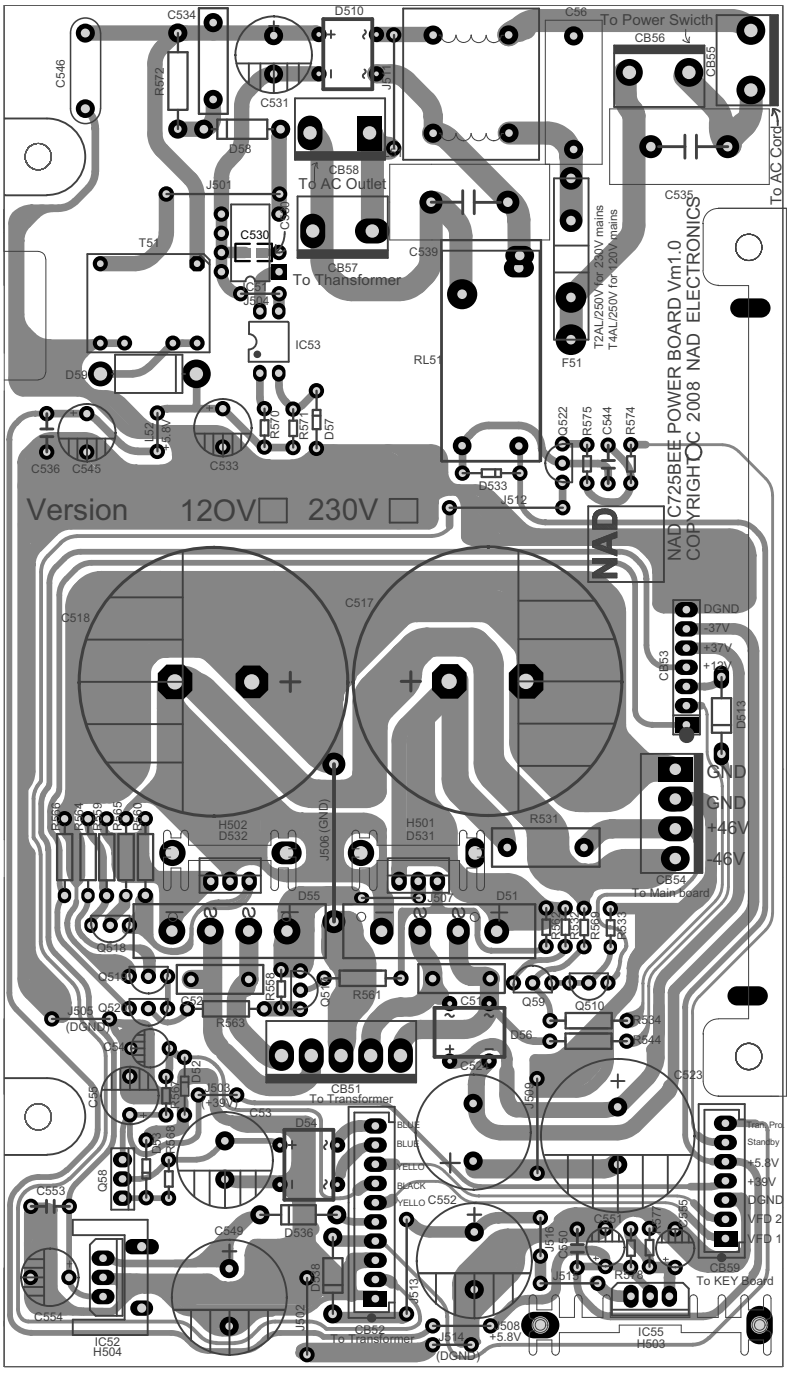


# C725BEE MAINBOARD+PHONEJACK

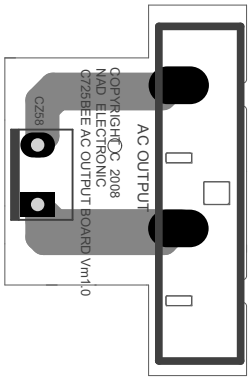


# C725BEE POWER+POT+AC OUTLET+STANDBY PCB

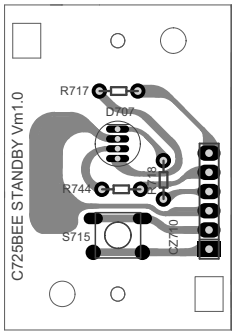
POWER PCB



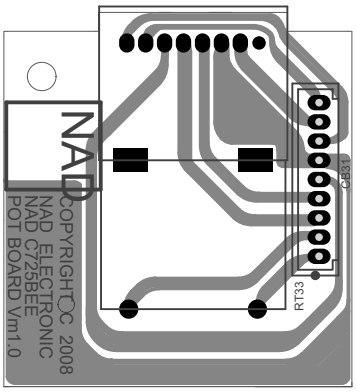

AC OUTLET PCB



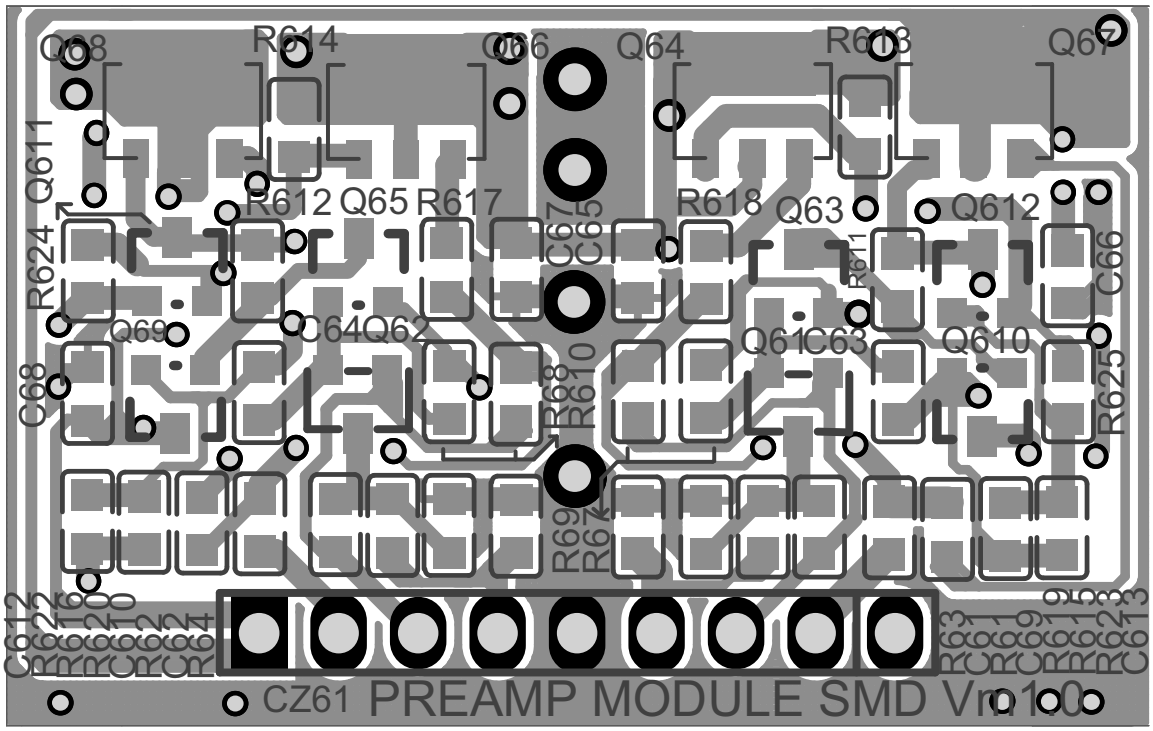

STANDBY PCB



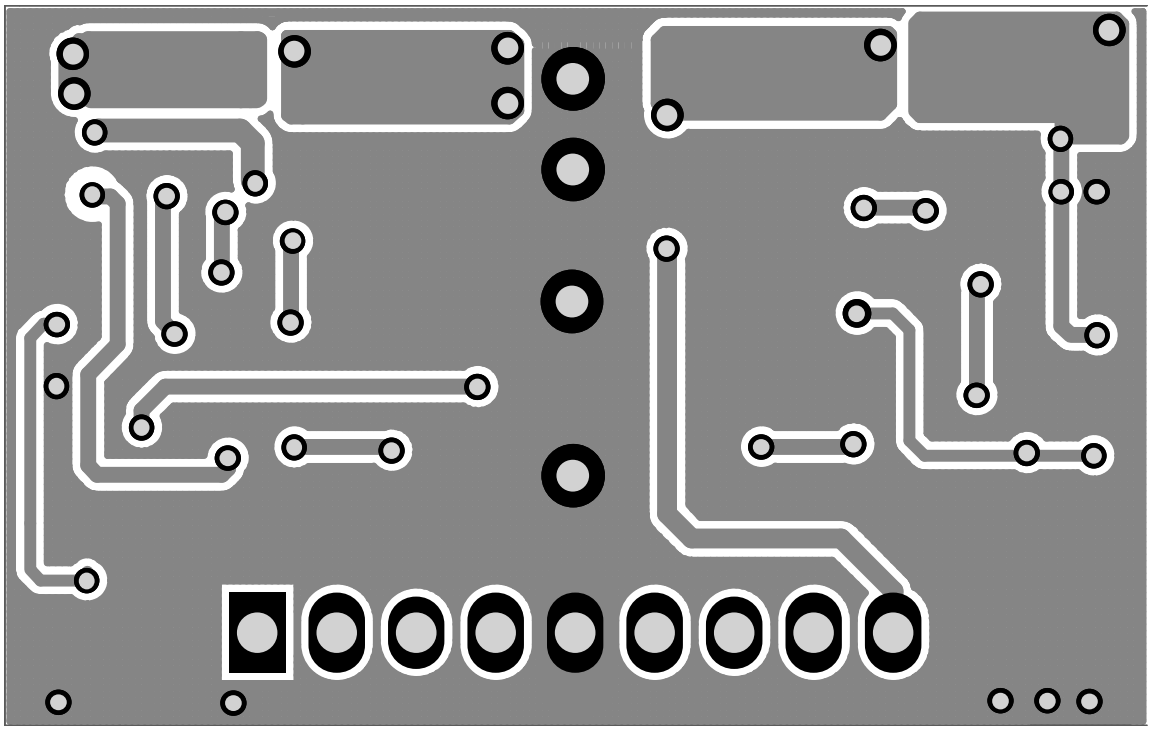

POT PCB



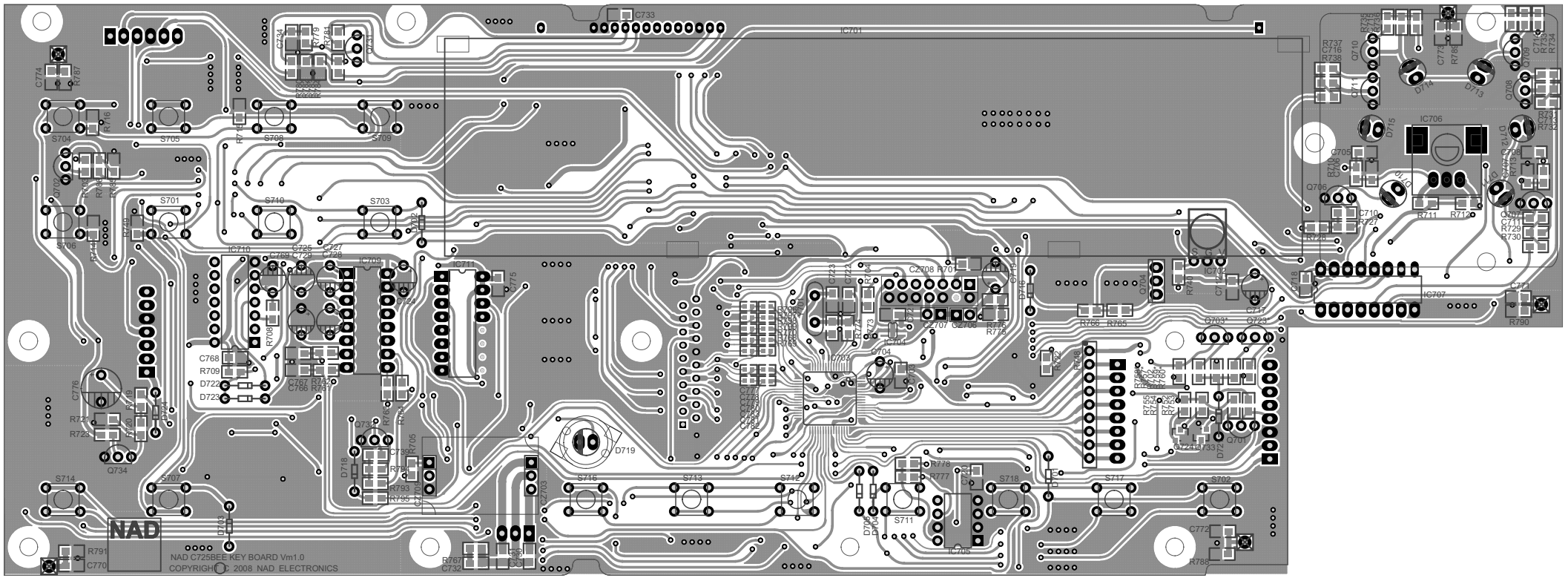
# C725BEE PREAMP MODULE
# TOPLAYER

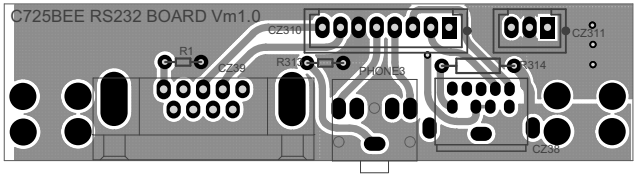


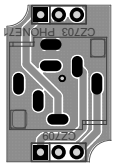

# BOTTOMLAYER



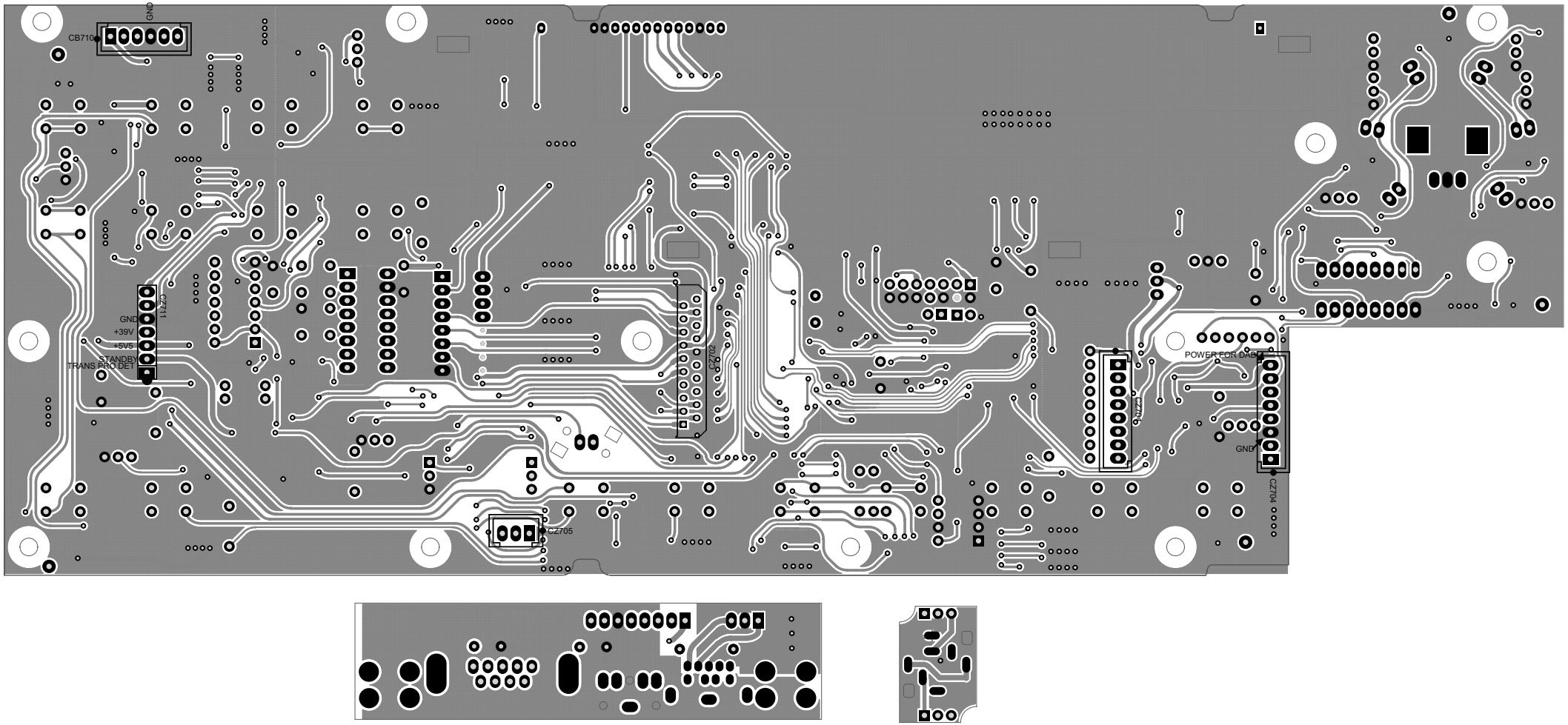
# C725 KEYBOARD + MPBOARD + RSR232BOARD TOP LAYER



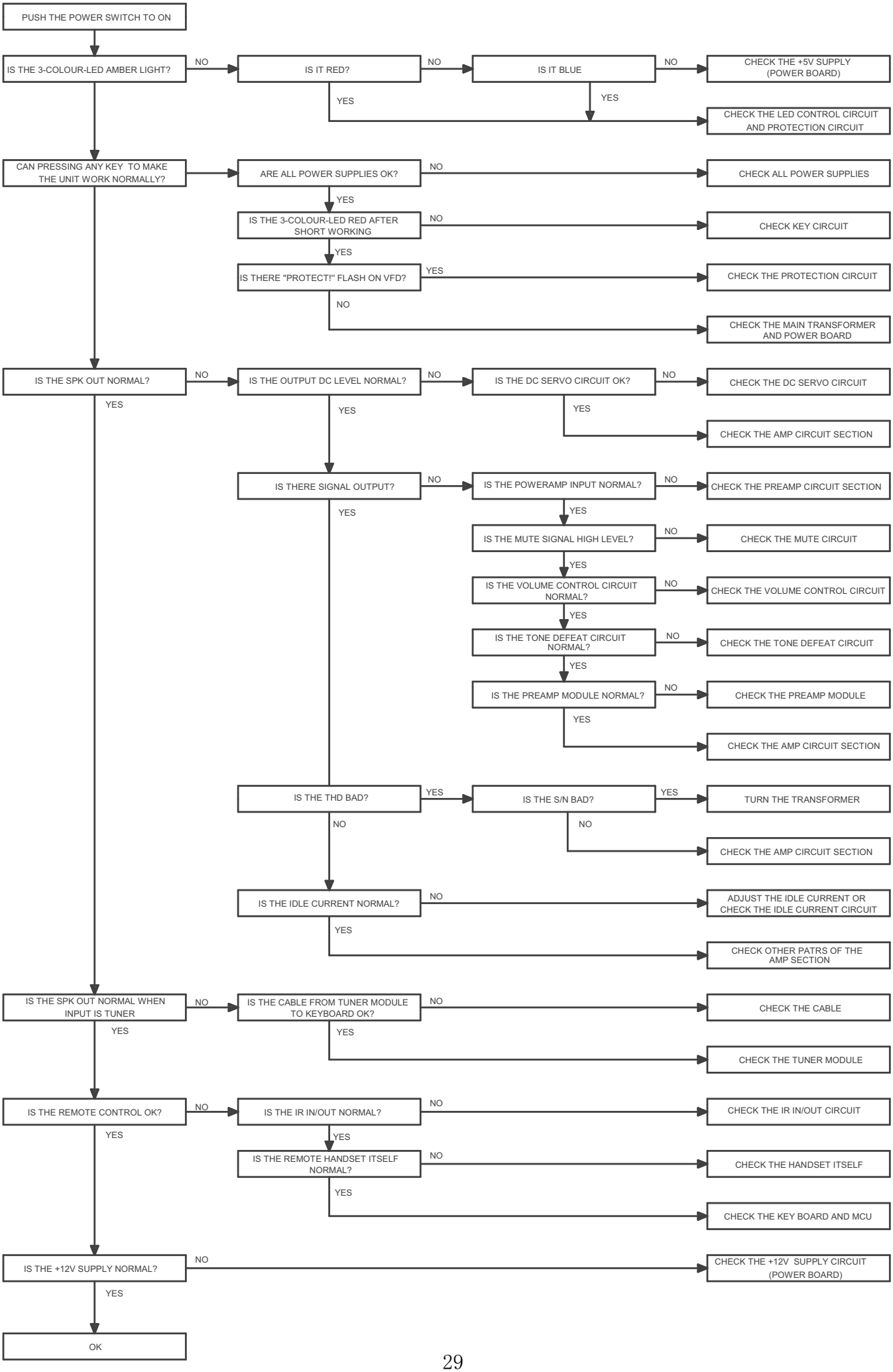



# BOTTOMLAYER



# TROUBLESHOOTING GUIDE



**ELECTRIC PARTS LIST**

| Designator | HS P/N | Part Type |
|---|---|---|
| **MAINBOARD** | **01-72501-10** | **AH** |
| | **01-72501-20** | **C** |
| C311, C312 | 26-12251-11 | 1.2nJ, 50V, 0805, NPO |
| C317, C318, C374, C375 | 26-10151-01 | 100pJ, 50V, 0805, NPO |
| R311, R312, R317, R318 | 07-90471-01 | 470Ω ±5% |
| R337, R341 | 07-90223-01 | 22K, ±5% 0805 |
| R347, R348, R391, R392 | 07-90104-01 | 100KΩ ±5% |
| | **DIODES** | |
| D13, D14, D15, D16, D17, D23, D24, D25, D26, D27, D37, D38, D39, D310, D311, D312, D315, D321, D322, D323, D324, D101, D102, D103, D201, D202, D203, D412, D413, D417, D418, D423, D428 | 33-44148-00 | 1N4148 |
| D320* | 33-44148-00 | 1N4148 |
| D419, D420 | 33-44148-00 | 1N4148 |
| D11, D12, D21, D22 | 33-14709-00 | 4.7V, 0.5W |
| D313, D314 | 33-11600-00 | 16V 0.5W |
| D49 | 33-11800-00 | 18V 0.5W |
| D410, D411 | 33-11800-00 | 18V 0.5W |
| D325 | 33-15609-00 | 5.6V, 0.5W |
| | **TRANSISTORS** | |
| Q310 | J31-00363-00 | 2SK363 |
| Q12/1, Q16, Q26, Q44, Q45, Q47, Q401, Q403, Q411, Q424 | 31-01015-00 | 2SA1015 |
| Q11, Q17, Q21, Q27, Q33, Q34, Q35, Q36, Q37, Q38, Q39, Q43, Q46, Q48, Q314, Q315, Q316, Q317, Q402, Q404, Q412, Q416, Q417, Q421, Q425, Q426, Q427 | 31-01815-00 | 2SC1815 |
| Q313* | 31-01815-00 | 2SC1815 |
| Q12, Q15, Q22, Q25, Q102, Q104, Q117, Q202, Q204, Q217 | J31-00970-00 | 2SA970 |
| Q13, Q14, Q23, Q24, Q101, Q103, Q118, Q201, Q203, Q218 | J31-02240-00 | 2SC2240 GR |
| Q18, Q28 | 31-00647-00 | 2SB647A |
| Q19, Q29 | 31-00667-00 | 2SD667A |
| | **ICS** | |
| IC11, IC21 | 03-00431-03 | AZ431BZ-B |
| | **CAPACITORS** | |
| C45, C46 | 05-22013-00 | 22p,1KV ±10% |
| C18, C19, C28, C29 | 05-39013-00 | 39p,1KV ±5% |
| C367 | 05-82013-00 | 82P,1KV ±10% |
| C360, C434 | 05-10113-01 | 100p/1KV± 10% |
| C302, C303 | 05-22113-01 | 220p/1KV ±10% |
| C382, C383, C384 | 05-43113-00 | CC8104aSL431K1KVT,430pF,1KV,± 10%,F5.0 |

| | | |
|---|---|---|
| C112, C113, C212, C213, C378, C379, C380 | 05-47113-00 | 470p,1KV ±10% |
| C124, C224, C435, C436 | 05-10213-02 | 1nF,1KV ±10% |
| C12, C22 | 05-47113-02 | 470pF, 1KV, ±5%, NPO |
| C351, C352, C353, C354, C355, C356, C362, C370, C371, C376, C377 | 24-10312-00 | 10n,100V 10% |
| C369* | 24-10312-00 | 10n,100V 10% |
| C120, C220 | 24-22312-04 | 22n,100V 10% |
| C123, C223, C3, C358, C444 | 24-10412-01 | 0.1u,100V, 20% |
| C432 | 24-22461-00 | 0.22uF, 63V, ±20% |
| C119, C219, C327, C328 | 25-22361-05 | 22n/63V 5% |
| C17, C114, C115, C27, C214, C215, , C319, C320, C321, C322, C337, C338, C345, C346, C411, C412 | 25-10412-02 | 0.1u/100V 10% |
| C329, C330, C347 | 25-10461-07 | 0.1u/63V 5% |
| C331, C332, C348 | 25-22461-02 | 0.22u/63V 5% |
| C121, C122, C221, C222, C333, C334 | 25-10561-02 | 1uF,63V,5% |
| C421 | 06-47851-02 | 0.47uF, 50V, ±20% |
| C339, C340 | 06-10951-08 | 1uF, 50V, ±20% |
| C417, C418 | 06-47951-00 | 4u7/50V 20% |
| C11, C21 | 06-10051-08 | 10uF, 50V, ±20% |
| C12/1, C13, C14, C23, C24, C48, C128, C228, C301, C415, C416, C425, C426, C428, C429, C430, C431 | 06-10051-00 | 10uF, 50V, ±20% |
| C325, C326, C341, C342 | 06-47021-06 | 47uF, 25V, ±20% |
| C110, C111, C210, C211, C323, C324, C365, C366, C49, C410 | 06-47031-05 | 47uF, 35V, ± 20% |
| C47 | 06-47051-02 | 47uF, 50V, ±20% |
| C103, C104, C203, C204, C420 | 06-10111-00 | 100uF, 16V, ±20% |
| C15, C16, C25, C26, C413, C414, C43, C44 | 06-22161-00 | 220u/63V 20% |
| C422 | 06-33111-01 | 330uF, 16V, ±20% |
| | **RESISTORS** | |
| R498, R499 | 07-10109-51 | 1R, 1/4W, ±5% |
| R385, R386 | 07-10189-50 | 1R8, 1/6W, ±5% |
| R2, R154, R155, R254, R255 | 07-10100-50 | 10Ω, 1/6W, ±5% |
| R115, R116, R215, R216 | 07-10150-50 | 15Ω,1/6W, ±5% |
| R142, R143, R242, R243 | 07-10220-51 | 22R, 1/4W, ±5% |
| R432 | 07-10330-50 | 33R, 1/6W, ±5% |
| R107, R108, R207, R208 | 07-10390-51 | 39R,5%,1/4W |
| R335, R336 | 07-10680-50 | 68R,5%,1/6W |
| R14, R24, R159, R259, R363, R416, R417, R418, R419 | 07-10101-50 | 100Ω ±5% 1/6W |
| R169, R269, R461 | 07-10331-50 | 330Ω ±5% 1/6W |
| R11, R21, R36 | 07-10471-50 | 470Ω ±5% 1/6W |
| R31, R32, R33, R34, R35, R37, R38, R39, R310 | 07-10471-51 | 470Ω ±5% 1/4W |

| | | |
|---|---|---|
| R454, R455 | 07-10511-51 | 510Ω ±5% 1/4W |
| R41, R42, R43, R44, R47, R48, R49, R410, R411, R413 | 07-10681-51 | 680Ω ±5% 1/4W |
| R171, R271 | 07-10821-50 | 820R, 1/6W, ±5% |
| R147, R247, R359, R360, R476 | 07-10102-51 | 1K, 1/4W, ±5% |
| R160, R161, R162, R163, R167, R168, R260, R261, R262, R263, R267, R268, R403, R405, R406, R407, R431, R474 | 07-10102-50 | 1K, 1/6W, ±5% |
| R422, R423, R424, R425 | 07-10112-50 | 1.1KΩ ±5% 1/6W |
| R367, R368 | 07-10202-50 | 2KΩ ±5% 1/6W |
| R412 | 07-10202-51 | 2KΩ ±5% 1/4W |
| R158, R170, R258, R270, R440 | 07-10222-50 | 2K2, 1/6W, ±5% |
| R414 | 07-10222-51 | 2K2, 1/4W, ±5% |
| R13, R17, R18, R315, R316, R333, R334, R344, R354, R369, R370, R371, R372, R373, R374, R375, R376, R377, R378, R379, R380, R395, R430, R482, R485 | 07-10472-50 | 4K7 , ±5% 1/6W |
| R3*, R4* | 07-10472-50 | 4K7 , ±5% 1/6W |
| R381 | 07-10512-50 | 5.1KΩ ±5% 1/6W |
| R480 | 07-10512-51 | 5.1KΩ ±5% 1/4W |
| R166, R266 | 07-10562-50 | 5K6, 1/6W, ±5% |
| R12/1 | 07-10682-50 | 6K8, 1/6W, ±5% |
| R484 | 07-10822-51 | 8K2, 1/4W, ±5% |
| R164, R165, R264, R265, R364, R365, R366, R402, R404, R433, R434, R449, R450, R460, R469, R470, R471, R493, R494 | 07-10103-50 | 10K, 1/6W, ±5% |
| R401 | 07-10103-51 | 10K, 1/4W, ±5% |
| R487, R488 | 07-10183-51 | 18K ±5% 1/4W |
| R387, R388 | 07-10203-50 | 20K, 1/6W, ±5% |
| R12/2, R15, R25, R152, R252, R382, R355, R394, R438, R468 | 07-10223-50 | 22K,1/6W,±5% |
| R349, R350, R351, R352, R353, R356, R357, R358 | 07-10223-51 | 22K ±5% 1/4W |
| R420, R421 | 07-10273-50 | 27KΩ ±5% 1/6W |
| R396 | 07-10303-50 | 30K,1/6W,±5% |
| R473 | 07-10433-50 | 43K,1/6W,±5% |
| R123, R223, R477 | 07-10473-50 | 47K,5%,1/6W |
| R148, R248, R436 | 07-10563-50 | 56K,1/6W,±5% |
| R445, R446 | 07-10563-51 | 56K,1/4W,±5% |
| R342, R343, R393, R478, R479, R489 | 07-10104-50 | 100K,1/6W, ±5% |
| R490, R491 | 07-10104-51 | 100K,1/4W, ±5% |
| R12, R22, R345, R346 | 07-10224-50 | 220KΩ ±5% 1/6W |
| R457 | 07-10224-51 | 220KΩ ±5% 1/4W |
| R483 | 07-10274-51 | 270K,±5% 1/4W |
| R451 | 07-10334-50 | 330KΩ ±5% 1/6W |
| R435 | 07-10394-50 | 390KΩ ±5% 1/6W |

| | | |
|---|---|---|
| R156, R157, R256, R257, R472 | 07-10474-50 | 470K, 1/6W, ±5% |
| R172, R272 | 07-10125-50 | 1M2 1/6W, ±5% |
| R340, R448 | 07-10106-50 | 10MΩ, 1/6W, ±5% |
| R149, R249 | 07-26809-50 | 68R, 1%,1/6W |
| R103, R106, R111, R112, R119, R120, R203, R206, R211, R212, R219, R220 | 07-20820-50 | 82R,5%,1/6W |
| R327 | 07-20181-50 | 180R, 1/6W, ±5% |
| R328 | 07-20181-51 | 180R, 1/4W, ±5% |
| R325, R331, R332 | 07-23900-50 | 390R, 1/6W, ±1% |
| R326 | 07-23900-51 | 390R, 1/4W, ±1% |
| R138, R139, R238, R239 | 07-24120-50 | 412R, 1/6W, ±1% |
| R383, R384, R398, R399 | 07-25600-50 | 560R, 1/6W, ±1% |
| R323, R324 | 07-27500-50 | 750R, 1/6W, ±1% |
| R329 | 07-21501-51 | 1K5, 1/4W, ±1% |
| R330 | 07-21501-50 | 1K5, 1/6W, ±1% |
| R321, R322 | 07-23301-50 | 3K3, 1/6W, ±1% |
| R441 | 07-20472-20 | 4.7K, 1/2W, ±5% |
| R492 | 07-24701-50 | 4.7KΩ ±1% 1/6W |
| R361, R362 | 07-21102-50 | 11K,MF,1%,1/6W |
| R19, R29, R101, R105, R110, R201, R205, R210 | 07-20393-50 | 39K,MF,5%,1/6W |
| R121, R122, R221, R222 | 07-20104-50 | 100KΩ ±5% 1/6W |
| R497 | 07-21803-50 | 180k,1/6W,±1% |
| R102, R104, R202, R204 | 07-20224-50 | 220KΩ ±5% 1/6W |
| | **LINKS** | |
| J10, J11, J13, J14, J15, J19, J20, J29, J30, J33, J42, J52, J53, J56, J59, J60, J62, J64, J67, J71, J72, J87, J114, J118, J119, J122, J130, J136, J141, J142, J143, J147, J148, J157, J160, J162, J173, J191, J200, J201, J202, J212, J219, J221, J224, J225, J226, J227, J233, J243, J247, J258, J260, J262, J269 | 21-06500-00 | L=5mm |
| J272, J273 | 21-06500-00 | L=5mm |
| J8, J12, J21, J37, J38, J39, J40, J41, J43, J45, J46, J47, J48, J50, J51, J55, J65, J90, J101, J102, J103, J104, J109, J116, J120, J127, J128, J129, J131, J165, J166, J167, J172, J182, J190, J193, J204, J205, J206, J209, J210, J216, J222, J223, J231, J236, J242, J248, J255, J265, J276 | 21-06750-00 | L=7.5mm |
| J9, J22, J31, J36, J57, J73, J86, J89, J93, J94, J98, J99, J106, J107, J123, J124, J134, J146, J163, J169, J181, J188, J192, J211, J213, J214, J215, J237, J241, J245, J251, J264, J266, J286 | 21-06101-00 | L=10mm |

| | | |
|---|---|---|
| J1, J23, J32, J35, J44, J54, J61, J100, J125, J139, J144, J145, J158, J174, J180, J187, J189, J195, J196, J197, J199, J220, J253 | 21-06121-01 | L=12.5mm |
| J2, J7, J18, J49, J88, J111, J115, J117, J121, J126, J149, J150, J168, J170, J179, J185, J186, J194, J207, J208, J217, J218, J232, J240, J244, J256, J268 | 21-06151-00 | L=15mm |
| J24, J25, J26, J27, J28, J66, J74, J75, J76, J77, J78, J79, J80, J81, J82, J83, J84, J85, J96, J97, J105, J132, J133, J175, J176, J177, J198, J239, J246, J261, J267 | 21-06181-00 | L=18mm |
| J110, J112, J113, J151, J152, J153, J154, J155, J159, J254, J259, J263, J270 | 21-06201-00 | L=20mm |
| | **TRANSISTOR** | |
| Q110, Q113, Q210, Q213, Q42 | 31-01220-00 | KSA1220 |
| Q111, Q112, Q116, Q211, Q212, Q216, Q41 | 31-02690-00 | KSC2690 |
| | | |
| | | |
| IC3, IC4, IC43 | 03-00082-00 | TL082CP/D |
| IC34 | 03-05532-00 | NE5532N |
| IC44 | 02-01237-00 | |
| IC31 | J03-09164-00 | TC9164CNG |
| IC32 | 03-04094-00 | CD4094/HEF4094 |
| | **CAPACITORS** | |
| C31, C32, C33, C34, C35, C36, C37, C38, C39, C310 | 05-10113-05 | 100pF,1KV, ± 10% |
| C118, C218 | 25-10461-04 | 0.1u/63V 5% |
| | **RESISTORS** | |
| R150, R250 | 07-30109-01 | 1Ω/1W 5% |
| R124, R125, R224, R225 | 07-30339-00 | 3.3Ω/1/2W 5% |
| R496 | 07-30750-02 | 75Ω/2W 5% |
| R452, R453 | 07-30221-03 | 220Ω/2W 5% |
| R128, R129, R228, R229 | 07-30331-00 | 330Ω/0.5W 5% |
| R146, R246 | 07-30182-02 | 1K8, 2W, FP, ±5% |
| R126, R127, R132, R133, R226, R227, R232, R233 | 07-30332-12 | 3K3, 2W, FP, ±5% |
| R136, R137, R236, R237 | 07-50100-10 | 10Ω/1/4W 5% |
| R151, R251 | 07-50100-01 | 10Ω/1W 5% |
| R45, R46 | 07-50330-03 | 33Ω, 1W, ±5% |
| R130, R131, R230, R231 | 07-50820-02 | 82Ω/1W 5% |
| R144, R145, R244, R245 | 07-40687-03 | 0.068Ω/3W 5% |
| | **INDUCTORS** | |
| L11, L21 | 08-01005-00 | 0.5uH |
| L12, L22, J68, J63, J108 | A08-01101-01 | 100uH,±20% |
| | **POTS** | |
| VR301, VR302 | 09-02101-00 | 100R |

| | | |
|---|---|---|
| VR12, VR22 | 09-02201-02 | 200R |
| VR13, VR23 | 09-02202-01 | 2KΩ |
| VR3, VR303, VR304 | 09-02103-00 | 10K |
| RT31, RT32 | J09-01103-14 | 10KA |
| RT34 | J09-01203-06 | 20K MN |
| | **RELAYS & SWITCHS** | |
| RL31, RL32, RL33, RL34, RL35, RL36, RL37, RL39 | 12-02101-02 | JRC-27F/012/S |
| RL38* | 12-02101-02 | JRC-27F/012/S |
| RL310, RL311 | 12-02202-06 | HFD3/12 |
| RL12/1, RL12/2 | A12-03102-05 | JQX-115F/024-2HS4AF(144)(555) |
| S41 | 11-05202-12 | SOFT CLIPPING |
| | **CONNECTORS** | |
| R-POWER | 14-72502-00 | UL 2468，16AWG，height 8-10mm；length 111mm(blue), 151mm(white) |
| CB311--CZ311 | 14-72503-00 | UL1691, #24AWG, XHB 2.5A-3Y connector。white/black/red, L=120mm |
| CZ34——CB31 | 14-72509-00 | UL2547# 26AWG, SCN 2.5A-9D plug,XHB 2.5A-9Y connector,L=150mm |
| CZ705——CB35 | 14-72503-01 | UL1691, 24AWG, SCN 2.5A-3D plug, 一XHB 2.5A-3Y connector。white/black/red, L=650mm |
| CZ701--CZ37 | 14-72508-01 | UL2468#26AWG,SCN 2.5A-8D plug,XHB 2.5A-8Y connector,white L=470mm |
| to upc1237 module | 13-12508-02 | 2.54 8pin plug |
| TP1, TP2, TP3, TP4, TP5, TP6 | 13-10001-00 | Test-1(R) |
| CB46 | 13-22502-00 | XHB2.5A-2A |
| CB45, CB38, CZ38 | 13-22503-00 | XHB2.5A-3A |
| CB47 | 13-22507-00 | XHB2.5A-7A |
| CB49 | 13-23904-00 | VH 3.96A-4A |
| CZ36 | 13-21217-00 | FPC1.25 17PIN |
| CZ35 | 13-21220-00 | FPC1.25 20PIN |
| RCA31, RCA32, RCA33, RCA34 | 17-01004-05 | 4 holes |
| RCA35 | 17-01001-11 | 1 hole,AV-8.4-14 |
| PHONE2 | 17-02001-04 | ST-323B-04<br>CKK-3.5-02-3P |
| PHONE1 | J17-02002-00 | PHONEJACK2 |
| | **BINDING POST** | |
| CB715 | 02-03005-20 | C VERSION |
| CB715 | 02-03005-10 | AH VERSION |
| BINDING POST PARTS | 17-03002-01 | C VERSION |
| BINDING POST PARTS | 17-03002-11 | AH VERSION |
| BINDING POST PARTS | 73-001003-0 | ABS |
| BINDING POST PARTS | 73-001005-0 | ABS |
| BINDING POST PARTS | 69-001001-0 | HPB59-1 |
| BINDING POST PARTS | 69-001002-0 | HPB59-1 |
| BINDING POST PARTS | 17-03002-02 | C VERSION |
| BINDING POST PARTS | 17-03002-12 | AH VERSION |
| BINDING POST PARTS | 73-001004-0 | ABS |
| BINDING POST PARTS | 73-001006-0 | ABS |

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|---|---|---|
| BINDING POST PARTS | 69-001001-0 | HPB59-1 |
| BINDING POST PARTS | 69-001002-0 | HPB59-1 |
| BINDING POST PARTS | 71-001001-1 | ABS |
| BINDING POST PARTS | 66-005006-0 | TIN PLATE T=0.50 |
| BINDING POST PARTS | 69-005006-0 | H62Y2 T=1.0 |
| BINDING POST PARTS | 69-002004-0 | T2Y2 T=1.0 |
| | **LINKS** | |
| J16, J17, J184, J250 | 21-06221-01 | L=22.5mm |
| J6, J69, J70, J91, J92, J95, J135, J137, J138, J140, J156, J161, J164, J178, J234, J238, J249, J252 | 21-06251-00 | L=25mm |
| J4, J228 | 21-10750-00 | L=7.5mm |
| J279 | 21-10101-00 | L=10mm |
| J5, J271 | 21-10151-00 | L=15mm |
| J58 | 21-10201-00 | L=20mm |
| J3 | 21-10221-01 | L=22.5mm |
| J257 | 21-10251-00 | L=25mm |
| J34, J235, J274, J275, J277, J278 | 21-10301-00 | L=30mm |
| | 21-10000-00 | Φ1.0 |
| | **METAL PARTS** | |
| GND-BUABAR | 69-123001-0 | T2Y2 T=1.0mm |
| BUABAR-R, OUT | 69-047001-0 | BUABAR-R, OUT |
| BUABAR-L, OUT | 69-047005-0 | BUABAR-L, OUT |
| H1, H2 | 70-091005-0 | ALU 6063 BLACK |
| H4, H5 | 70-019003-1 | aluminum 30mm |
| HEATSINK 1(2) | 61-022510-5 | MB2.5×10 |
| HEATSINK2 | 61-022208-6 | BTB2.6×8 |
| HEATSINK1(2) | 62-010202-5 | M2.5 |
| **PREAMP MODULE PCB** | **01-35504-00** | |
| | **TRANSISTORS** | |
| Q61, Q62 | J31-00209-00 | 2SK209-GR |
| Q63, Q65 | J31-01312-00 | 2SA1312-GR |
| Q69, Q610, Q611, Q612 | J31-03324-00 | 2SC3324GR |
| Q64, Q66 | 31-01201-01 | 2SA1201-Y |
| Q67, Q68 | J31-02881-01 | 2SC2881-Y |
| | **CAPACITORS** | |
| C63, C64, | 26-22051-00 | 22pF, 50V, ±5%,NPO |
| C69, C610 | 26-10151-00 | 100p, 50V, ±5%,NPO |
| C61, C62 | 26-22151-00 | 220p, 50V, ±5%,NPO |
| C613, C612 | 26-10251-00 | 1nF, 50V, ±5%,X7R |
| C65, C66, C67, C68 | 26-10451-00 | 0.1uF, 50V, ±10%,Y5V |
| | **RESISTORS** | |
| R615, R616, R617, R618, R619, R620 | 07-90100-00 | 10Ω, ±5% |
| R61, R62 | 07-90221-00 | 220Ω, ±5% |
| R69, R610 | 07-94300-00 | 430Ω, 1% |
| R624, R625 | 07-90621-00 | 620Ω, ±5% |

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|---|---|---|
| R67, R68, R611, R612, R622, R623 | 07-90102-00 | 1KΩ, ±5% |
| R613, R614 | 07-90103-00 | 10KΩ, ±5% |
| R63, R64 | 07-90225-00 | 2.2MΩ, ±5% |
| | **CONNECTORS** | |
| CZ61(INSERTED, TO, CB32.CB33, ON, THE, MAIN, BOARD) | 13-12509-01 | S006 |
| **ASSY HEATSINK** | **02-72500-00** | |
| Q119, Q219 | 31-02690-00 | KSC2690 |
| Q114, Q214 | J31-01943-00 | 2SA1943 |
| Q115, Q215 | J31-05200-00 | 2SC5200 |
| R467 | JA07-70022-08 | ST-22 80C L TYPE |
| R439 | JA07-70022-09 | ST-22 90C L TYPE |
| Insluation Cushion(Big) | J78-001004-0 | SFAT482 |
| Clamper | 66-001009-0 | HS4-C320_B009V1-M012 |
| Machine Screw | 61-044514-0 | MT4X14 |
| Self Taping Screw | 61-023208-0 | BTB3×8 |
| SELF TAPING SCREW | 61-023212-0 | BTB3×12 |
| TEM.SW Clamper | 66-018005-0 | 65Mn HRC48-52 |
| Main Heat Sink | 70-123004-0 | 6063 T5 L=80 |
| **POWERBOARD** | **01-72502-10** | **AH** |
| | **01-72502-20** | **C** |
| | **DIODES** | |
| D533 | 33-44148-00 | 1N4148 |
| D59 | 33-20540-00 | SR540 |
| D58 | 33-20107-00 | FR107 |
| D58 | or 33-24006-00 | UF4006 |
| D513, D536, D538 | 33-24004-02 | 1N4004 |
| D513 | 33-24004-00 | 1N4004 |
| D57 | 33-14709-04 | 4.7V, 0.5W, ±2% |
| D52 | 33-16209-00 | 6.2V, 0.5W, ±5% |
| D53 | 33-13900-10 | 39V |
| D54, D56 | 33-30142-00 | DB104 |
| D510 | 33-30162-00 | DB105 |
| D51, D55 | 33-30822-00 | 8A/200V |
| D531, D532 | 33-60116-00 | TIC116D/BT151-500R |
| | **TRANSISTORS** | |
| Q59, Q510, Q517, Q519 | 31-01015-00 | 2SA1015 |
| Q518, Q520, Q522 | 31-01815-00 | 2SC1815 |
| Q58 | 31-02690-00 | KSC2690 |
| | **ICS** | |
| IC55 | 03-00317-00 | LM317T |
| IC52 | 03-07812-00 | LM7812 |
| IC53 | A03-00817-00 | PC817X2J000F |
| IC51 | 03-00274-00 | TNY274PN |
| | **CAPACITORS** | |
| C530 | 26-10412-01 | 0.1uF/100V, X7R |
| C544 | 24-10312-00 | 10nF,100V,10% |

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|---|---|---|
| C534 | A25-10322-04 | MKP64, X1,10nF,310V,±20% |
| C536, C550, C553 | 24-10412-01 | 0.1u,100V,20% |
| C546 | A05-22242-00 | 2.2nF, 400V(X1), 250V(Y1),±5% |
| C535, C539 | A05-47242-00 | 4n7p, 400V, ±20% |
| Sleeve Boot | 78-001001-1 | Sleeve Boot |
| C51, C52, | 25-10322-00 | 10n/250V 10% |
| C56 | A25-22422-03 | MKP62, 275V, 0.22uF 10% |
| C56 | or A25-22422-09 | MPX, 275V, 0.22uF 10% |
| C531 | 06-10042-00 | CD11H, 10uF/400V, 20% |
| C55, | 06-10061-01 | 10uF,63V |
| C54 | 06-47021-00 | 47u/25V 20% |
| C551 | 06-10111-00 | 100uF, 16V, ±20% |
| C554 | 06-10121-00 | 100uF, 25V, ±20% |
| C53 | 06-33161-00 | 330u/63V |
| C533, C545 | 06-33111-01 | 330uF/16V |
| C549 | 06-22251-01 | 2200u/50V 20% |
| C524 | 06-22251-00 | 2200u/50V 20% |
| C523 | 06-33251-00 | 3300u/50V 20% |
| C552 | 06-47221-00 | 4700u/25V 20% |
| C517, C518 | 06-15351-01 | 15000u/50V 20% |
| | **RESISTORS** | |
| R531 | 07-40507-03 | 0.05/3W 5% CE |
| R570 | 07-10101-50 | 100R, ±5% 1/6w |
| R561, R565 | 07-10101-51 | 100R, ±5% 1/4w |
| R532 | 07-10221-50 | 220Ω, ±5%, 1/6W |
| R571 | 07-10511-50 | 510R,±5% 1/6w |
| R558, R562, R574, R575 | 07-10102-50 | 1KΩ, ±5%, 1/6W |
| R559, R560 | 07-10102-51 | 1KΩ, ±5%, 1/4W |
| R534 | 07-10222-51 | 2.2KΩ, ±5%, 1/4W |
| R568 | 07-10332-50 | 3.3KΩ ±5% 1/6w |
| R566 | 07-10472-51 | 4.7KΩ, ±5%, 1/4W |
| R567 | 07-10153-50 | 15K,±5% 1/6w |
| R544, R563, R564 | 07-10223-51 | 22KΩ, ±5%, 1/4W |
| R569 | 07-10334-50 | 330KΩ, ±5%, 1/6W |
| R533 | 07-10105-50 | 1MΩ, ±5%,1/6W |
| R578 | 07-22700-50 | 270Ω, 1/6W, ±1% |
| R577 | 07-21001-50 | 1K, 1/6W, ±1% |
| R572 | 07-30104-05 | 100KΩ, 1W, ±5%, |
| | **FUSES** | |
| F51 | A20-12202-00 | T2AL250V 618 Series |
| F51 | A20-12402-00 | T4AL250V 618 Series |
| | 20-20000-00 | HF-004 |
| | **INDUCTORS** | |
| L51 | A22-00183-00 | 2x1.8mH |
| | **RELAYS** | |
| RL51 | A12-02101-05 | HF115F-I/005-1HS3A555 16A/250V 5V |
| RL51 | or A12-02101-01 | DH1U 15A/250V 5V |

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| | **CONNECTORS** | |
| CB55, CB56, CB58, | 13-23903-01 | VH 3.96A-3A |
| CB57 | 13-23903-11 | VH 3.96A-3A |
| CB54 | 13-23904-00 | VH 3.96A-4A |
| CB51 | 13-23905-12 | VH 3.96A-5A |
| CB52 | 13-22510-00 | XHB2.5A-10A |
| CB59 | 13-22507-00 | XHB2.5A-7A |
| CB53--CB47 | 14-72507-00 | UL2468#26AWG, 2.5A-7D plug,XHB 2.5A-7Y connector,white L=100mm |
| | **LINKS** | |
| J503, J504, J514, J516, L52 | 21-06500-00 | L=5mm |
| J505, J508, J515 | 21-06750-00 | L=7.5mm |
| J502 | 21-06101-00 | L=10mm |
| J509, J513 | 21-06121-01 | L=12.5mm |
| J, 501, J511, J512 | 21-06151-00 | L=15mm |
| J507 | 21-10750-00 | L=7.5mm |
| J506 | 21-10201-00 | L=20mm |
| | 21-10000-00 | Φ1.0 |
| | **HEATSINKS** | |
| H504 | 70-002005-0 | 15×35mm |
| H503 | 70-051005-1 | 6063 T5, BLACK |
| H501, H502 | 70-042001-0 | L=30 |
| H501, H502, H504 | 61-023204-0 | BTB3X4 |
| H503 | 61-023508-0 | MB3×8 |
| H503 | 62-010302-2 | M3 |
| H503 | 63-020308-1 | Φ3 |
| **KEYBOARD** | **01-72503-10** | **AH** |
| | **01-72503-20** | **C** |
| | **TRANSISTORS** | |
| Q724, Q733 | 31-00114-05 | DTC114EKA |
| | **ICS** | |
| IC703 | 03-30281-11 | M30281FAHP (programmed) |
| IC703 | J03-30281-01 | M30281FAHP |
| IC704 | J03-03825-50 | TPS3825-50DBVT |
| | **CAPACITORS** | |
| C777, C778, C779, C780, C781, C782, C783 | 26-47051-00 | 47pJ, 50V, 0603, NPO |
| C722, C723 | 26-20051-01 | 20pJ, 50V, 0805, NPO |
| C730, C731 | 26-10151-01 | 100pJ, 50V, 0805, NPO |
| C766, C767 | 26-10251-01 | 1nK, 50V, 0805, X7R |
| C710, C711, C712, C713, C714, C715, C716, C739 | 26-10351-01 | 10nK, 50V, 0805, X7R |
| C703, C705, C706, C707, C708, C720, C718, C721, C732, C733, C734, C768, C775 | 26-10451-01 | 0.1uZ, 50V, 0805, Y5V |
| | **RESISTORS** | |
| R768, R769, R770, R796, R797, R798, R799 | 07-90470-00 | 47R, ±5%,0603 |
| R776 | 07-90000-01 | 0R, 0805 |

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| R763, R764, R779, R780 | 07-90100-01 | 10R, ±5%, 0805 |
| R773 | 07-90330-01 | 33R, ±5%,0805 |
| R761, R762 | 07-90101-01 | 100R, ±5%,0805 |
| R702, R765, R777, R778 | 07-90102-01 | 1K, ±5%, 0805 |
| R766 | 07-90152-01 | 1K5, ±5%,0805 |
| R722, R795 | 07-90222-01 | 2.2K, ±5%, 0805 |
| R703, R727, R728, R729, R730, R731, R732, R733, R734, R735, R736, R737, R738, R753, R754, R755, R793, R794 | 07-90472-01 | 4K7, ±5%, 0805 |
| R758*, R759* | 07-90472-01 | 4K7, ±5%, 0805 |
| R704, R705, R709, R710, R711, R712, R713, R714, R715, R716, R720, R721, R723, R740, R749, R783, R784, R785 | 07-90103-01 | 10K, ±5%, 0805 |
| R757* | 07-90153-01 | 15K, ±5%, 0805 |
| R708, R786 | 07-90153-01 | 15K, ±5%, 0805 |
| R760* | 07-90223-01 | 22K, ±5%, 0805 |
| R752 | 07-90223-01 | 22K, ±5%, 0805 |
| R781, | 07-90333-01 | 33k, ±5%, 0805 |
| R701 | 07-90473-01 | 47K, ±5%, 0805 |
| R775, R782 | 07-90104-01 | 100K, ±5%, 0805 |
| R774 | 07-90105-01 | 1M, ±5%, 0805 |
| | **DIODES** | |
| D701, D702, D703, D704, D705, D716, D718, D722, D723, D724 | 33-44148-00 | 1N4148 |
| D721 | 33-13309-00 | 3.3V |
| D710, D711, D712, D713, D714, D715, D719 | 33-50360-03 | LED Φ3 |
| | **TRANSISTORS** | |
| Q704 | 31-02690-00 | KSC2690AYSTU |
| Q701, Q702, Q706, Q707, Q708, Q709, Q710, Q711, Q731, Q732, Q734 | 31-01815-00 | 2SC1815 GR |
| Q703*, Q723* | 31-01815-00 | 2SC1815 GR |
| | **ICS** | |
| IC701 | J23-16157-00 | 16-BT-157GINK |
| IC705 | 03-02416-01 | AT24C16-10PI-2.7 |
| IC710 | 03-07486-00 | CD74HC86E, DIP14 |
| IC707, IC711 | 03-04094-00 | CD4094/HEF4094 |
| IC706 | J37-12122-00 | EC12E1220801-F20 |
| IC702 | 03-06038-00 | FM-6038TM2-5AN |
| IC709 | 03-00232-00 | SP232EEP-L |
| | **CRYSTALS** | |
| Y701 | 04-11842-02 | H-S-F-18.432M-12-3030-4085-50, 18.432MHz, CL=12pF, FL=30PPM |
| | **CAPACITORS** | |
| C725, C727, C728, C729 | 06-10821-00 | CD110, 0.1uF, 25V, 20% |
| C724, C769 | 06-10011-00 | CD110, 10uF/16V, 20% |
| C719 | 06-22011-00 | CD110, 22UF/16V, 20% |

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|---|---|---|
| C704, C717, C776 | 06-10111-00 | 100uF, 16V, ±20% |
| | **RESISTOR NETWORK** | |
| R748 | 07-01002-09 | 10K, 2%, 9PIN |
| | **SWITCHS** | |
| S701, S702, S703, S704, S705, S706, S707, S708, S709, S710, S711, S712, S713, S714, S716, S717, S718 | 11-04101-00 | Selector |
| | **CONNECTORS** | |
| CZ711--CB59 | 14-72507-01 | UL2468#26AWG,SCN 2.5A-7D plug,XHB 2.5A-7Y connector,white L=250mm |
| CZ705 | 13-22503-00 | XHB2.5A-3A |
| CB710 | 13-22506-00 | XHB2.5A-6A |
| CZ701, CZ704 | 13-22508-00 | XHB2.5A-8A |
| CZ706, CZ707 | 13-12502-00 | 2PIN, 2.54 |
| CZ703, CZ709 | 13-12503-10 | 3PIN, 2.54, S=3mm |
| CZ708 | 13-12514-00 | HEADER 7X2 2.54 pitch |
| CZ702 | 13-21220-00 | FPC1.25 20PIN |
| | **METAL PARTS** | |
| | 75-123001-0 | ABS, Black (OP PN: 25-024-0352-90) |
| | 61-023208-0 | BTB3X8 |
| **POT BOARD** | **01-72504-00** | |
| | **POTS** | |
| RT33 | J09-01203-05 | 20KB |
| | CONNECTORS | |
| CB31 | 13-22509-00 | 9PIN |
| **RS232 BOARD** | **01-72505-10** | **AH** |
| | **01-72505-20** | **C** |
| | **RESISTORS** | |
| R389* | 07-90750-01 | 75R, ±5%,0805 |
| R1, R313 | 07-10100-50 | 10R, 1/6W, ±5% |
| R314* | 07-10100-51 | 10R, 1/4W, ±5% |
| | LINKS | |
| R390* | 21-06500-00 | L=5mm |
| | **CONNECTORS** | |
| CZ704——CZ310 | 14-72508-00 | UL2547# 26AWG,SCN 2.5A-8D plug,XHB 2.5A-8Y connector,L=520mm |
| CZ311 | 13-22503-00 | XHB2.5A-3A |
| CZ39 | 17-08009-00 | DB9, 7906-9-F-B |
| CZ312* | 17-04009-01 | DSW*39 |
| PHONE3 | 17-02001-34 | CKX-3.5-02C-G |
| | METAL PARTS | |
| | 67-114001-0 | SECC-N5 T=1 |
| **MP BOARD** | **01-72506-00** | |
| | **CONNECTORS** | |
| PHONE5 | 17-02001-14 | CKX-3.5-28-5P / JY-3562-01-350G |
| **STANDBY BOARD** | **01-72507-00** | |
| | **RESISTORS** | |

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|---|---|---|
| R717 | 07-10101-50 | 100Ω ±5% 1/6w |
| R718, R744 | 07-10221-50 | 220Ω ±5% 1/6w |
| | **LEDS** | |
| D707 | 33-50565-02 | LED |
| | **SWITCHS** | |
| S715 | 11-04101-05 | IT-1102A-1160 |
| | **CONNECTORS** | |
| CB710——CZ710 | 14-72506-00 | UL2468#26AWG,SCN 2.5A-6DW plug,XHB 2.5A-6Y connector,white L=80mm |
| **HEADPHONE BOARD** | **01-72508-00** | |
| | **RESISTORS** | |
| R458, R459 | 07-30101-04 | 100Ω 2W ±5% |
| | **CONNECTORS** | |
| JK41 | 17-02001-00 | CK6.35-06 9P |
| CZ45——CB45 | 14-72503-02 | UL2468#26AWG,SCN 2.5A-3D plug,XHB 2.5A-3Y connector, white L=400mm |
| CZ46——CB46 | 14-72502-01 | UL2468 #26AWG,XHB LD2.5A-2Y connector;SCN 2.5A-2D plug;L=400mm |
| | **LINKS** | |
| J401 | 21-06750-00 | L=7.5mm |
| **AC OUTLET BOARD** | **01-72509-20** | |
| | **CONNECTORS** | |
| CZ58 | 13-23903-02 | VH 3.96A-3AW |
| **Misc and Mechanical Parts** | | |
| | **CONNECTORS** | |
| Rock Switch | A11-01101-03 | RF-1003-BB2 |
| CZ38——CB38 | 14-72503-03 | UL2468,#26AWG,XHB 2.5A-3Y connector, white L=300mm |
| CB56——POWER, SWITCH | A14-72502-02 | UL1672#18AWG, VH-3Y connector,red L=100mm |
| CB49——CB54 | 14-72504-00 | UL1015#14AWG black;UL1015#16AWG red 、white, VH 3.96A-4Y connector,L=130mm |
| CZ36——TUNER | 14-72017-10 | FPC（180mm）17PIN |
| CZ35——CZ702 | 14-72520-00 | 20pin,1.25mm,L=600mm |
| | **TRANSFORMERS** | |
| T51 | A18-72516-00 | EE16 |
| | **TUNERS** | |
| TUNER ANTENNA(AM) | J30-37300-10 | LS0146BL-X000101-0 |
| TUNER ANTENNA (FM) | 30-37300-00 | HAN-001 |
| TV Matcher | 30-87200-00 | IF-11/ZB-6 |
| | **METAL PARTS** | |
| Chassis | 66-123001-1 | SECC-N5 T=1mm |
| Subfascia | 66-123002-5 | SECC-N5 T=1mm |
| Service Cover | 66-047003-0 | T=1mm |
| Copper Spacer | 69-047003-0 | 13.6mm |
| PCB Support | 66-019004-0 | HS40-C352-B009V1-M014 |
| Transformer Bracket | 66-001010-0 | HS40-C320-B009V1-M013 |
| Phone Bracket | 66-123003-0 | SECC-N5 T=1mm |
| Connectible Bracket | 66-011011-0 | HS40-T172_B009V1-M026 |

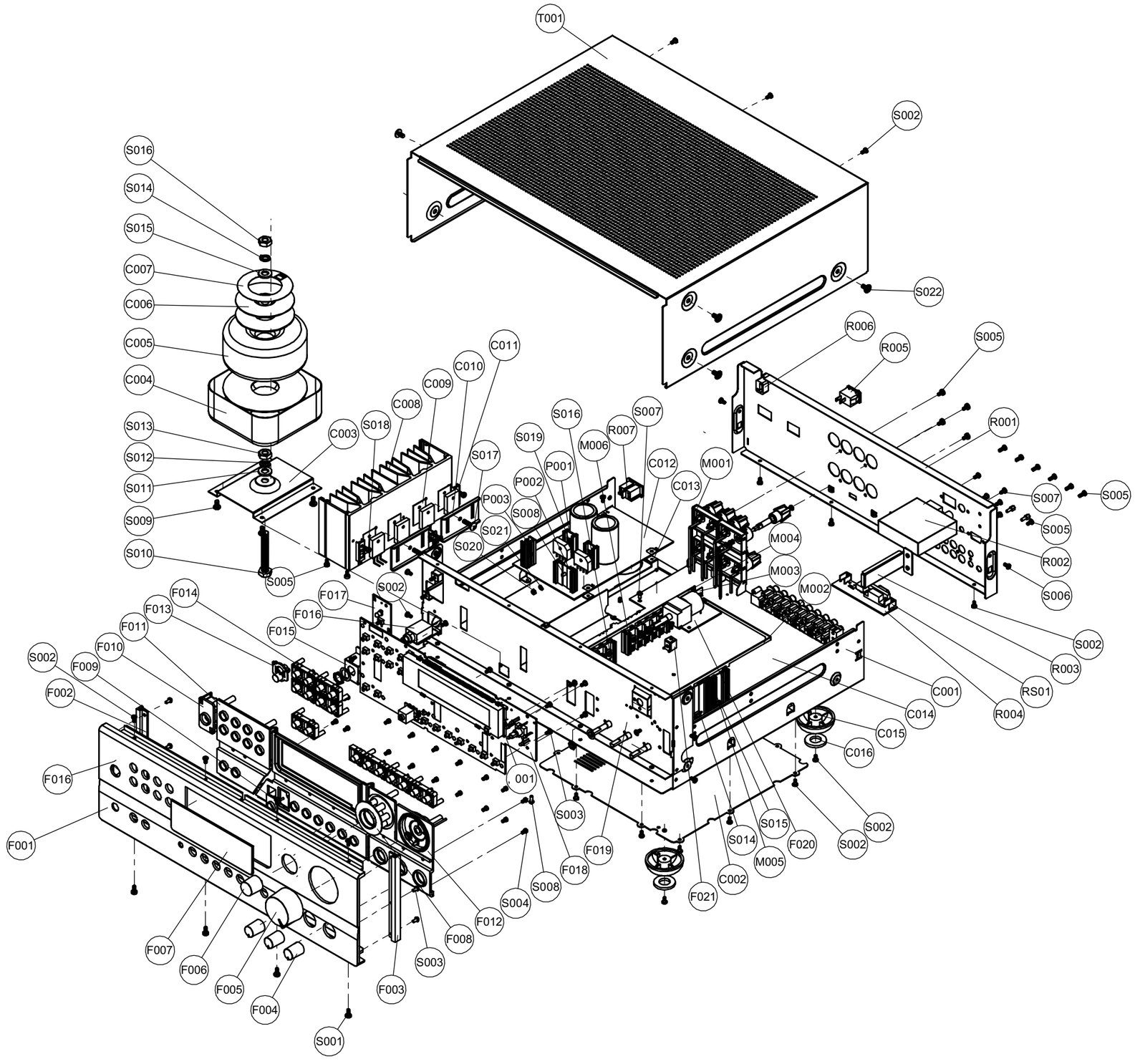
| | | |
|---|---|---|
| Tuner Bracket | 66-047004-0 | SECC-N5 T=1.0mm |
| Metal Disc | 66-001008-0 | HS40-C320_B009V1-M020 |
| Shielding Box | 67-091003-0 | Transformer |
| Shorting Plug | 30-63200-00 | HS40-C320_B009V1-M014 |
| | **FASTENERS** | |
| Self Taping Screws | 61-023205-0 | BTB3X5 |
| Self Taping Screws | 61-023206-0 | BTB3X6 |
| Self Taping Screws | 61-023208-0 | BTB3X8 |
| Self Taping Screws | 61-024108-0 | STB4X8, |
| Self Taping Screws | 61-023106-0 | STB3X6 |
| Self Taping Screws | 61-023104-0 | STB3X4 |
| Self Taping Screws | 61-023108-0 | STB3X8 |
| Machine Screws | 61-023506-0 | MB3X6 |
| Machine Screws | 61-023508-0 | MB3X8 |
| Bolt | 64-108055-0 | GB5781 M8X55 |
| Spring Washer | 63-020820-1 | GB93(8) |
| Plain Washer | 63-010816-0 | GB97(8) |
| Nut | 62-010802-0 | GB6170(M8) |
| | **PLASTIC PARTS** | |
| VFD Lens | 76-123001-0 | (OP P/N: 25-008-0405-92) |
| Foot ASSY | 87-010004-0 | Foot ASSY |
| Foot | 75-010004-1 | HS40-T973-B009V1-P006 |
| Foot Pad | J78-001002-0 | HS40-C320-B009V1-P010 |
| | **Accessory** | |
| Relief Bushing | A84-001002-0 | SB4F-4 |
| Cable Tie | 84-001003-0 | YJ-100 |
| Cable Tie | 84-047001-0 | YJ-123 |
| Wire Holder | 84-041001-0 | WCLA-1 |
| Power, Switch | 78-000220-0 | Φ22 |
| Phone, Jack(1) | 86-014001-0 | 15x5x0.3mm |
| Expanded Rubber | 86-018002-1 | 110x25x0.5mm |
| Nonwavens B | 86-018001-0 | 24x14x0.5mm |
| 3mm Rubber Pad | 86-009003-0 | 10x10x3mm |
| 4mm Rubber Pad | 86-010003-0 | 10x15x4mm |
| GASKET | 79-123001-0 | CR,10*10*60 |
| Window Lens Film | 76-123002-0 | PE T=0.1 |
| | **PACKING LIST** | |
| Carton Box | 88-123001-0A | 555×474×244 |
| Polyfoam End Cap(1) | 89-005001-6 | |
| Polyfoam End Cap(2) | 89-005002-5 | |
| Polybag | 90-005001-0 | 690X550mm |
| Polybag | 90-001013-0 | 105×280mm |
| Polybag | 90-028004-0 | 220X250mm |
| Manu Polybag | 90-001002-0 | 220X370mm |
| Non-woven Cloth | 90-005002-3 | H=133 W=100 L=435 |
| LABEL | 94-001004-2 | |
| Serial No. Label | 94-123001-0 | 60*10 |

| | | |
|---|---|---|
| Fuse Causion Label | 94-003004-0 | 34×84 |
| EPE Film | 90-123001-0 | 420X206mm |
| | **ACCESSORIES** | |
| Instruction Manual | 30-47250-00 | |
| Instruction Manual | 30-47251-00 | |
| Remote Control | J30-17250-00 | SR-8 |
| Batteries | 30-22100-10 | 5# 2006/66/EC |
| Remote Control | J30-17251-00 | KRC-L1860RC(ZR5) |
| Batteries | 30-28601-10 | CR2025 2006/66/EC |
| **FOR AH VERSION ONLY(BLACK)** | | |
| MAIN TRANSFORMER | A18-72515-10 | TD-120-0150K |
| MAIN TRANSFORMER | or A18-72515-30 | ETO08230 |
| MAIN TRANSFORMER | or A18-72515-50 | HA100B-0542 |
| CB58——AC, OUTPUT | A14-72002-00 | VH 3.96A-3Yconnector，KST FDFD2-187(8),18AWG UL1672# red L=100mm |
| TUNER | J37-01140-23 | KST-MB114MA0-23 |
| AC CORD(AMERICAN) | JA15-10121-16 | LP-5W & SPT-2 18AWG & VH3.96-3PIN |
| AC CORD(AMERICAN) | or A15-10121-17 | 2UTJ2 & NISPT-2 18AWG/2C & VH3.96-3PIN |
| AC Outlet | A17-07002-10 | JY0647A |
| Rear Panel(AH) | 67-123003-0 | SECC-N5 T=1mm |
| Rear Panel(AH) | 80-123003-0 | SECC-N5 T=1mm |
| Rear Panel(AH) | 65-123003-0 | SECC-N5 T=1mm |
| Top Cover | 67-123001-1 | SECC-N5 T=1mm,PPG:PCSC90103S#5 |
| Fascia | J70-123001-1 | 6063 T5 |
| End cap L | J70-123002-0 | 6063 T5 |
| End cap R | J70-123003-0 | 6063 T5 |
| Self Taping Screw | 61-023106-0 | STB3X6 |
| Self Taping Screw | 61-084108-0 | STPW4X8 |
| Volume Knob | 73-014002-2 | |
| Tone Knob | 73-014001-2 | |
| Volume Knob Bezel | 77-091003-2 | |
| Selector Knob | 75-047001-2 | |
| Plastic Subfascia | 77-123001-1 | ABS 765B |
| MP Button Bezel | 77-123002-0 | PC, UL94V-0 |
| Selector Knob Bezel | 77-123003-0 | PC, UL94V-0 |
| Duo Buttons | 74-123001-1 | ABS 765B, |
| Power Button | 74-123003-1 | ABS 765B |
| POWER BUTTON BEZEL | 77-123004-1 | Clear PC, UL 94V-0 |
| Barcode Label | 94-123003-0 | AH |
| Guarantee Card | 94-009005-1 | AH |
| **FOR C VERSION ONLY(BLACK)** | | |
| MAIN TRANSFORMER | A18-72515-20 | TD-230-0150B |
| MAIN TRANSFORMER | or A18-72515-40 | ETO08060 |
| MAIN TRANSFORMER | or A18-72515-60 | HA100B-0538 |
| CB58——CZ58 | A14-72002-01 | VH 3.96A-3Y connector，18AWG UL1672# redL=100mm |
| TUNER | J37-01141-23 | KST-MB114MA1-23 |

| | | |
|---|---|---|
| AC CORD(EURO) | JA15-02251-24 | LP-21 & H03VVH2-F 2×0.75mm2 & VH3.96-3PIN |
| AC CORD(EURO) | or A15-02251-25 | 2VTJ1 & H03VVH2-F 2×0.75mm2 & VH3.96-3PIN |
| AC Outlet | JA17-07002-20 | A302-D006-0P |
| AC Outlet(2) | 61-023208-0 | BTB3X8 |
| AC Outlet(1) | 78-000500-0 | Φ50 |
| Rear Panel(C) | 67-123002-0A | SECC-N5 T=1mm |
| Rear Panel(C) | 80-123002-0 | SECC-N5 T=1mm |
| Rear Panel(C) | 65-123002-0 | SECC-N5 T=1mm |
| Top Cover | 67-123001-1 | SECC-N5 T=1mm,PPG:PCSC90103S#5 |
| Fascia | J70-123001-1 | 6063 T5 |
| End cap L | J70-123002-0 | 6063 T5 |
| End cap R | J70-123003-0 | 6063 T5 |
| Self Taping Screw | 61-023106-0 | STB3X6 |
| Self Taping Screw | 61-084108-0 | STPW4X8 |
| Volume Knob | 73-014002-2 | C320BEE |
| Tone Knob | 73-014001-2 | C320BEE |
| Volume Knob Bezel | 77-091003-2 | HS40-C355-B009V1-P003 C |
| Selector Knob | 75-047001-2 | HS40-C720BEE_B009V1-P001 D |
| Plastic Subfascia | 77-123001-1 | HS40-C725BEE-B12V1-P003 B |
| MP Button Bezel | 77-123002-0 | HS40-C725BEE-B12V1-P004 |
| Selector Knob Bezel | 77-123003-0 | HS40-C725BEE-B12V1-P005 |
| Duo Buttons | 74-123001-1 | ABS 765B |
| Power Button | 74-123003-1 | ABS 765B |
| POWER BUTTON BEZEL | 77-123004-1 | Clear PC, UL 94V-0 |
| Barcode Label | 94-123002-0 | C VERSION |
| **FOR C VERSION ONLY(TI)** | | |
| MAIN TRANSFORMER | A18-72515-20 | TD-230-0150B |
| MAIN TRANSFORMER | or A18-72515-40 | ETO08060 |
| MAIN TRANSFORMER | or A18-72515-60 | HA100B-0538 |
| CB58——CZ58 | A14-72002-01 | VH 3.96A-3Y connector，18AWG UL1672# red L=100mm |
| TUNER | J37-01141-23 | KST-MB114MA1-23 |
| AC CORD(EURO) | JA15-02251-24 | LP-21 & H03VVH2-F 2×0.75mm2 & VH3.96-3PIN |
| AC CORD(EURO) | or A15-02251-25 | 2VTJ1 & H03VVH2-F 2×0.75mm2 & VH3.96-3PIN |
| AC Outlet | JA17-07002-20 | A302-D006-0P |
| AC Outlet(2) | 61-023208-0 | BTB3X8 |
| AC Outlet(1) | 78-000500-0 | Φ50 |
| Rear Panel(C) | 67-123002-0A | SECC-N5 T=1mm |
| Rear Panel(C) | 80-123002-0 | SECC-N5 T=1mm |
| Rear Panel(C) | 65-123002-0 | SECC-N5 T=1mm |
| Top Cover | 67-123011-1 | SECC-N5 T=1mm, TI |
| Fascia | J70-123011-1 | 6063 T5,TI |
| End cap L | J70-123012-0 | 6063 T5,TI |
| End cap R | J70-123013-0 | 6063 T5, TI |
| Self Taping Screw | 61-023106-1 | STB3X6, |

| | | |
|---|---|---|
| Self Taping Screw | 61-084106-2 | STPW4X6 |
| Volume Knob | 73-020002-1 | TI |
| Tone Knob | 73-020001-1 | TI |
| Volume Knob Bezel | 77-091013-1 | TI |
| Selector Knob | 75-047011-2 | TI |
| Plastic Subfascia | 77-123011-1 | ABS 765B |
| MP Button Bezel | 77-123012-0 | PC, UL94V-0, TI |
| Selector Knob Bezel | 77-123013-0 | PC, UL94V-0, TI |
| Duo Buttons | 74-123011-1 | ABS 765B,TI |
| Power Button | 74-123013-1 | ABS 765B,TI |
| POWER BUTTON BEZEL | 77-123014-1 | Clear PC, UL 94V-0, TI |
| Barcode Label | 94-123004-0 | CT VERSION |
| **FOR AH VERSION ONLY(TI)** | | |
| MAIN TRANSFORMER | A18-72515-10 | TD-120-0150K |
| MAIN TRANSFORMER | or A18-72515-30 | ETO08230 |
| MAIN TRANSFORMER | or NA18-72515-50 | HA100B-0542 |
| CB58——AC, OUTPUT | A14-72002-00 | VH 3.96A-3Y connector，KST FDFD2-187,18AWG UL1672# red L=100mm |
| TUNER | J37-01140-23 | KST-MB114MA0-23 |
| AC CORD(AMERICAN) | JA15-10121-16 | LP-5W & SPT-2 18AWG & VH3.96-3PIN |
| AC CORD(AMERICAN) | or A15-10121-17 | 2UTJ2 & NISPT-2 18AWG/2C & VH3.96-3PIN |
| AC Outlet | A17-07002-10 | JY0647A |
| Rear Panel(AH) | 67-123003-0 | SECC-N5 T=1mm |
| Rear Panel(AH) | 80-123003-0 | SECC-N5 T=1mm |
| Rear Panel(AH) | 65-123003-0 | SECC-N5 T=1mm |
| Top Cover | 67-123011-1 | SECC-N5 T=1mm, TI |
| Fascia | J70-123011-1 | 6063 T5,TI |
| End cap L | J70-123012-0 | 6063 T5,TI |
| End cap R | J70-123013-0 | 6063 T5, TI |
| Self Taping Screw | 61-023106-1 | STB3X6 |
| Self Taping Screw | 61-084106-2 | |
| Volume Knob | 73-020002-1 | TI |
| Tone Knob | 73-020001-1 | TI |
| Volume Knob Bezel | 77-091013-1 | TI |
| Selector Knob | 75-047011-2 | TI |
| Plastic Subfascia | 77-123011-1 | ABS 765B, TI |
| MP Button Bezel | 77-123012-0 | PC, UL94V-0, TI |
| Selector Knob Bezel | 77-123013-0 | PC, UL94V-0, TI |
| Duo Buttons | 74-123011-1 | ABS 765B,TI |
| Power Button | 74-123013-1 | ABS 765B,TI |
| POWER BUTTON BEZEL | 77-123014-1 | Clear PC, UL 94V-0, TI |
| Barcode Label | 94-123005-0 | CT VERSION |
| Guarantee Card | 94-009005-1 | AH VERSION |

# C725BEE,E, P, , DED,VIEWS

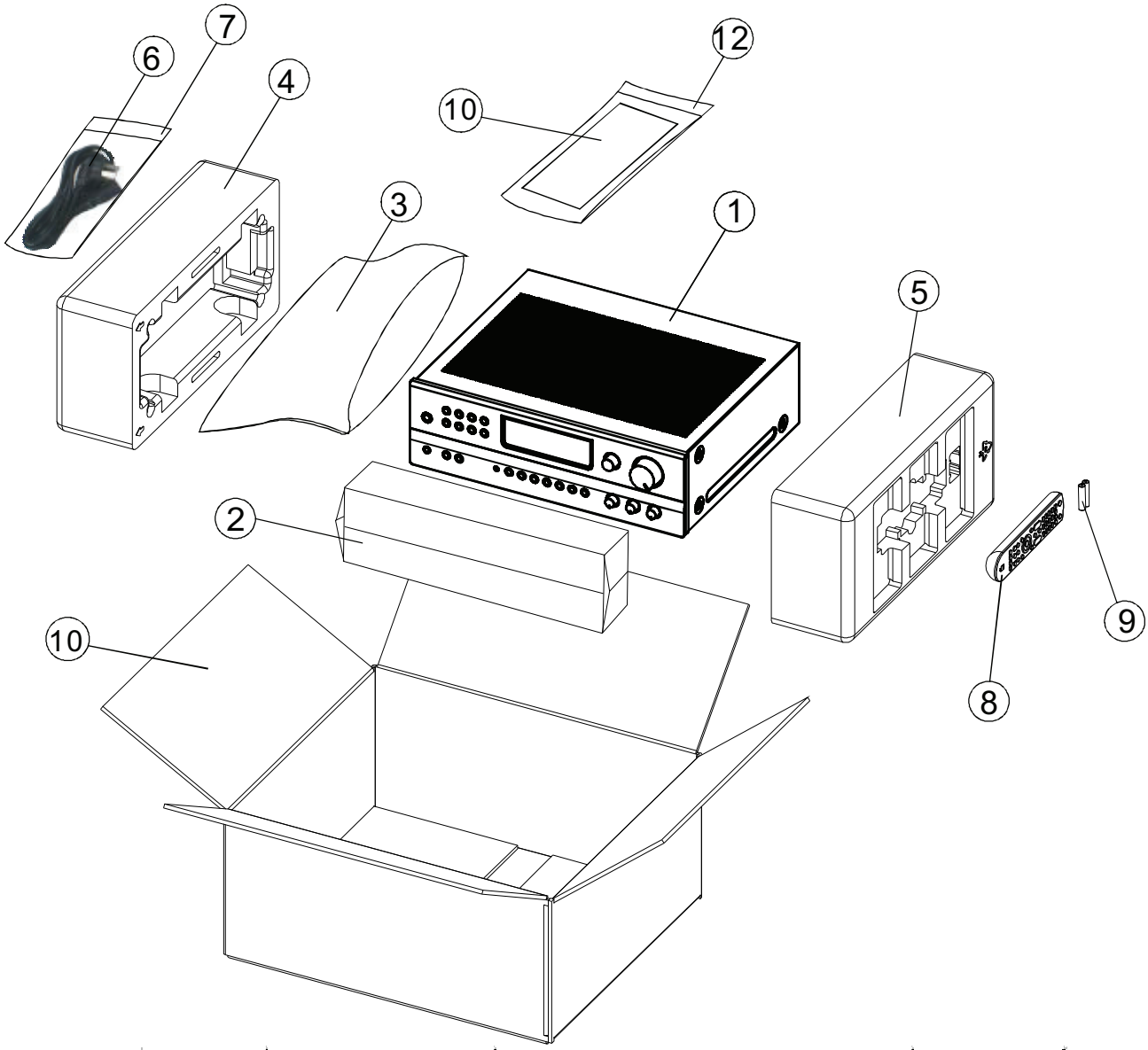


C725BEE,E, P, , DED,,VIEW,,PARTS,,, IST

| REF.N, | PART,N, . | DESCRIPTI, N | Qty. |
|---|---|---|---|
| C001 | 66-123001-1 | Chassis | 1 |
| C002 | 66-047003-0 | Base,Cover | 1 |
| C003 | 66-001010-0 | THANSBracket | 1 |
| C004 | 67-091003-0 | Shielding,Box | 1 |
| C005 | A18-72515-10 | Transformer | AH:1 |
| | A18-72515-30 | Transformer | C:1 |
| C006 | 66-001008-0 | Transformer,Disc | 1 |
| C007 | 94-001004-2 | Transformer,, abel | 1 |
| C008 | 70-123004-0 | Heatsink, | 1 |
| C009 | J78-001004-0 | Insluation,Cushion(Big) | 4 |
| C010 | 66-001009-0 | Clamper | 2 |
| C011 | 66-018005-0 | TEM.SW,Clamper | 2 |
| C012 | 01-72502-10 | Power,Board | AH:1 |
| | 01-72502-20 | Power,Board | C:1 |
| C013 | 66-019004-0 | PCB,Support | 1 |
| C014 | 01-72501-10 | Main,Board | AH:1 |
| | 01-72501-20 | Main,Board | C:1 |
| C015 | 75-010004-1 | Foot | 4 |
| C016 | 78-001002-0 | Foot,Pad | 4 |
| | | | |
| F001 | 70-123001-1 | Fascia | 1 |
| F002 | 70-123002-0 | End,Cap,, | 1 |
| F003 | 70-123003-0 | End,Cap,R | 1 |
| F004 | 73-014001-2 | Tone,, nob | 3 |
| F005 | 73-014002-2 | Volume,, nob | 1 |
| F006 | 75-047001-2 | Selector,, nob | 1 |
| F007 | 76-123001-0 | VFD,, ens | 1 |
| F008 | 77-123003-0 | Selector,, nob,Be, el | 1 |
| F009 | 77-123002-0 | MP,Button,Be, el | 1 |
| F010 | 77-123004-1 | Po, er,Button,Be, el | 1 |
| F011 | 77-123001-1 | Plastic,Subfascia | 1 |
| F012 | 77-091003-2 | Volume,, nob,Be, el | 1 |
| F013 | 74-123003-1 | Po, er,Button | 1 |
| F014 | 74-123001-1 | 2P,I,nput,,Button | 9 |
| F015 | 66-123003-0 | Phone,Bracket | 1 |
| F016 | 01-72508-00 | Headphone,Board, | 1 |
| F017 | 01-72507-00 | Standby,Board | 1 |
| F018 | 01-72503-10 | Keyboard | AH:1 |
| | 01-72503-20 | Keyboard | C:1 |
| F019 | 66-123002-5 | Subfascia | 1 |
| F020 | 01-72504-00 | Pots,Board | 1 |
| F021 | 66-011011-0 | Connectible,Bracket | 1 |
| | | | |
| R001 | 67-123003-0 | Rear,Panel | AH:1 |
| | 67-123002-0A | Rear,Panel | C:1 |
| | | | |
| R002 | J37-01140-23 | Tuner | AH:1 |
| | J37-01141-23 | Tuner | C:1 |
| R003 | 66-047004-0 | Tuner,Bracket | 1 |

| REF.N, | PART,N, . | DESCRIPTI, N | Qty. |
|---|---|---|---|
| R004 | 01-72505-10 | RS232,Board | AH:1 |
| | 01-72505-20 | RS232,Board | C:1 |
| R005 | A11-01101-03 | Rock,S, itch | 1 |
| R006 | A84-001002-0 | Relief,Bushing | 1 |
| R007 | A17-07002-10 | AC,Intlet | AH:1 |
| | 01-72509-20 | AC,Intput,Board | C:1 |
| | | | |
| T001 | 67-123001-1 | Top,Cover | 1 |
| | | | |
| | | | |
| P001 | 70-002005-0 | Heatsink | 2 |
| P002 | 70-051005-1 | Heatsink | 1 |
| P003 | 70-042001-0 | Heatsink | 1 |
| | | | |
| M001 | 02-03005-10 | Binding,Post,Assy | AH:1 |
| | 02-03005-20 | Binding,Post,Assy | C:1 |
| M002 | 69-123001-0 | Bus,Bar | 1 |
| M003 | 69-047005-0 | Bus,Bar | 1 |
| M004 | 69-047001-0 | Bus,Bar | 1 |
| M005 | 70-091005-0 | Heatsink | 2 |
| M006 | 70-019003-1 | Heatsink | 2 |
| | | | |
| , 001 | 75-123001-0 | VFD,Bracket | 1 |
| | | | |
| RS01 | 67-114001-0 | PCB,Terminal | 2 |
| | | | |
| | | | |
| S001 | 61-023108-0 | Self,Taping,Scre, ,STB3, 8 | 4 |
| S002 | 61-023106-0 | Self,Taping,Scre, ,STB3, 6 | 44 |
| S003 | 61-023206-0 | Self,Taping,Scre, ,BTB3, 6 | 21 |
| S004 | 61-023205-0 | Self,Taping,Scre, ,BTB3, 5 | 18 |
| S005 | 61-023208-0 | Self,Taping,Scre, ,BTB3, 8 | AH:13,C:15 |
| S006 | 61-023104-0 | Self,Taping,Scre, ,STB3, 4 | 2 |
| S007 | 61-023506-0 | Machine,Scre, ,MB3, 6 | 4 |
| S008 | 61-023508-0 | Machine,Scre, ,MB3, 8 | 3 |
| S009 | 61-024108-0 | Self,Taping,Scre, ,STB3, 8 | 4 |
| S010 | 64-108055-0 | Bolt,, B5781M8, 55, | 1 |
| S011 | 63-010816-0 | Plain,Washer, B97(8) | 2 |
| S012 | 63-020820-1 | Spring,Washer, B93(8) | 2 |
| S013 | 62-010802-0 | Nut,, B6170(M8), | 2 |
| S014 | 61-022510-5 | Machine,Scre, ,MB2.5×10 | 2 |
| S015 | 62-010202-5 | Nut,M2.5, | 2 |
| S016 | 61-022208-6 | Self,Taping,Scre, ,BTB2.6, 8 | 10 |
| S017 | 61-044514-0 | Machine,Scre, ,MT4×14 | 2 |
| S018 | 61-023212-0 | Self,Taping,Scre, ,BTB3, 12 | 2 |
| S019 | 61-023204-0 | Self,Taping,Scre, ,BTB3, 4 | 3 |
| S020 | 62-010302-2 | Nut,M3, | 1 |
| S021 | 63-020308-1 | Spring,Washer,3 | 1 |
| S022 | 61-084108-0 | Self,Taping,Scre, ,STPW4, 8 | 6 |

# C725BEE Packing Accessory Section




| REF.N0 | Part No. | Description | Qty. |
|---|---|---|---|
| 1 | 00-72500-10 | C725Bee AH Version | AH:1 |
| | 00-72500-20 | C725Bee C Version | C:1 |
| | 00-72500-30 | C725Bee CT Version | CT:1 |
| | 00-72500-30 | C725Bee AHT Version | AHT:1 |
| 2 | 90-005002-3 | Non-Woven Cloth | 1 |
| 3 | 90-005001-0 | Polybag | 1 |
| 4 | 89-005002-5 | Polyfoam End Cap(2) | 1 |
| 5 | 89-005001-6 | Polyfoam End Cap(1) | 1 |
| 6 | JA15-10121-16 or A15-10121-17 | AC Cord | AH/AHT:1 |
| | JA15-02251-24 or A15-02251-25 | AC Cord | C/CT:1 |
| 7 | 90-001013-0 | AC Cord Polybag | 1 |
| 8 | J30-17250-00 | Remote Control | 1 |
| 9 | 30-22100-10 | Batteries | 2 |
| 10 | 88-123001-0A | Carton Box | 1 |
| 11 | 30-47250-00 and 30-47251-00 | Instruction Manual | 1 |
| 12 | 90-001002-0 | Manu Polybag | 1 |

# SERVICE MANUAL

# C 725BEE

## STEREO RECEIVER

NAD ELECTRONICS LTD
TORONTO

50