Service Manual

TOP NEXT

ORDER NO. AD04070601C0

A2

Service Manual

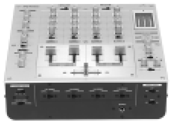
DJ Mixer

- SH-MZ1200PP
  SH-MZ1200EB
  SH-MZ1200EG
  SH-MZ1200EP
  SH-MZ1200GN

Colour

K............Black Type

S............Silver Type



Specification

Input sensitivity/Input impedance	
PHONO (TRIM center)	2.5mV/47kΩ
LINE (TRIM center)	250mV/10kΩ
EFFECT RETURN	250mV/47kΩ
MIC	0.7mV/1kΩ
Rated output voltage/Output impedance	
MASTER 1, 2 (RCA)	1V/600Ω
MASTER 1 (XLR)	1V/600Ω
MONITOR	1V/1kΩ
REC OUT	250mV/1kΩ
EFFECT SEND	250mV/1kΩ
Headphone output	30mW/32Ω
Frequency response	
MASTER 1, 2	20Hz to 20,000Hz
REC OUT	20Hz to 20,000Hz
EFFECT RETURN	20Hz to 20,000Hz
MIC	20Hz to 20,000Hz

Digital audio input	
Coaxial digital input	
Compatible sampling rate	48kHz/44.1kHz/32kHz (PCM)
Digital audio output	
Coaxial digital output	
Sampling rate	44.1kHz (PCM)
Equalizer characteristics	
CD/LINE/PHONO	
LOW	+12dB, -24dB (50Hz)
MID	+12dB, -24dB (1kHz)
HIGH	+12dB, -24dB (10kHz)
MIC	
LOW	+12dB, -24dB (100Hz)
HIGH	+12dB, -24dB (10kHz)
General	
Power supply	AC120V, 60Hz (PP area) AC230-240V, 50Hz (EB,EG,EP,GN areas)
Power consumption	35W
Dimensions (W×H×D)	300mm× 103mm× 330mm (11-26/32” × 4-1/16” × 13”)
Mass	5.3kg (11.7lb.)

Note:
Specificationsare subject to change without notice.
Mass and dimensions are approximate.

⚠ WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public. It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product. Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

Technics

TOP NEXT

1 Safety Precaution

TOP PREVIOUS NEXT

(This “Safety Precaution” is applied only in U.S.A.)

1. Before servicing, unplug the power cord to prevent an electric shock.

2. When replacing parts, use only manufacturer’s recommended components for safety.

3. Check the condition of the power cord. Replace if wear or damage is evident.

4. After servicing, be sure to restore the lead dress, insulation barriers, insulation papers, shields, etc.

5. Before returning the serviced equipment to the customer, be sure to make the following insulation resistance test to prevent the customer from being exposed to a shock hazard.

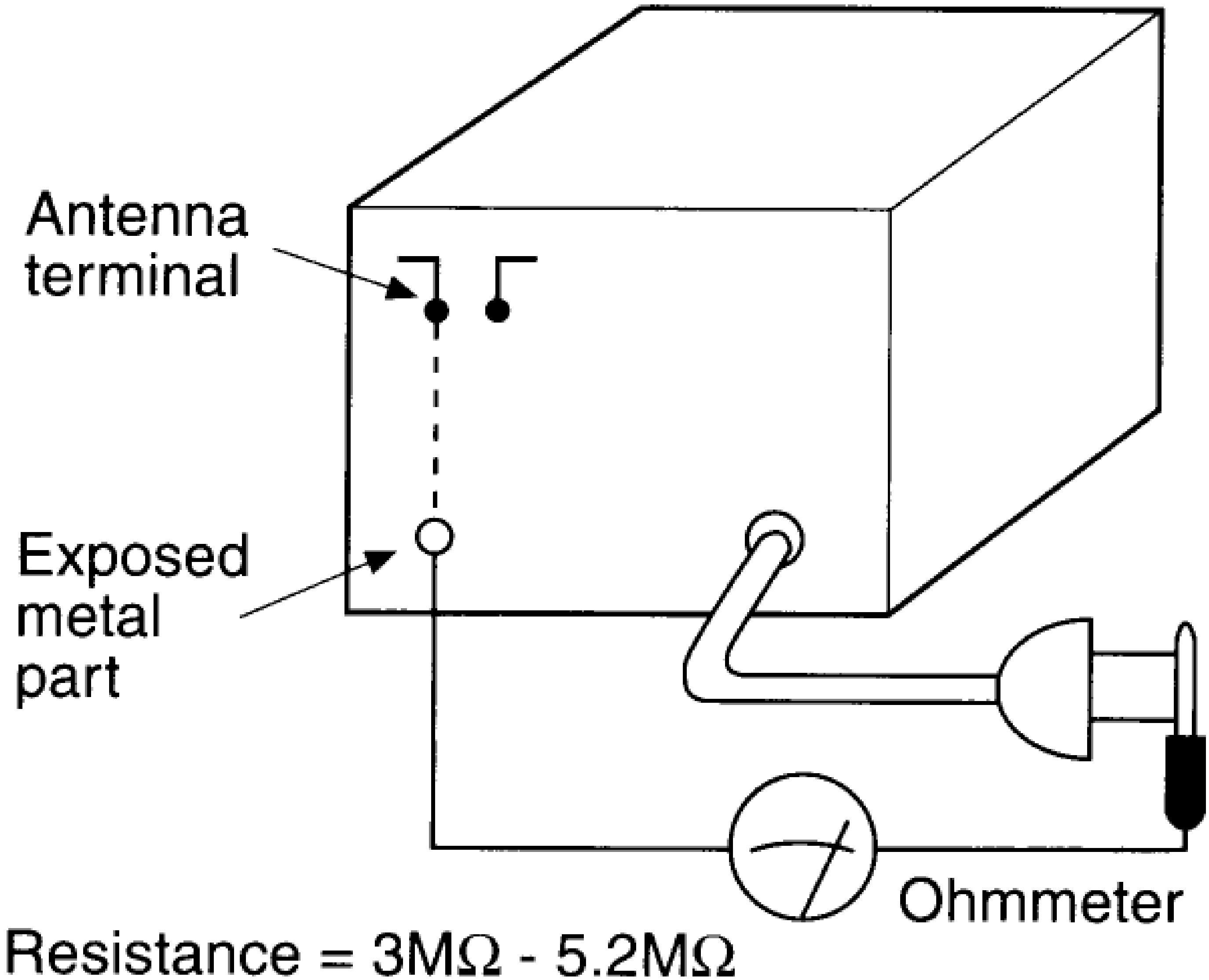
Insulation Resistance Test

1. Unplug the power cord and short the two prongs of the plug with a jumper wire.

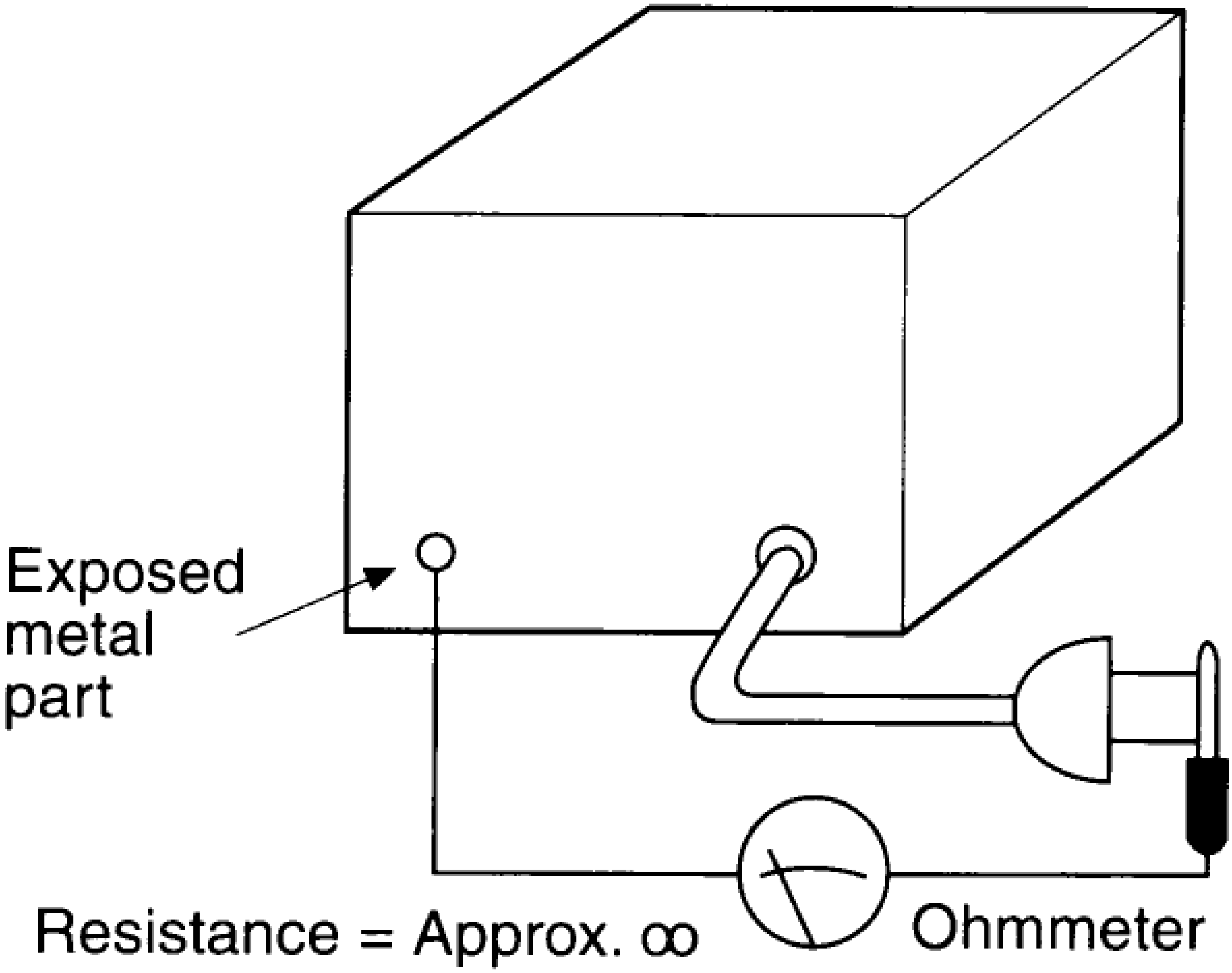
2. Turn on the power switch.

3. Measure the resistance value with ohmmeter between the jumper AC plug and each exposed metal cabinet part, such as screw heads, control shafts, handle brackets, etc. Equipment with antenna terminals should read between 3MΩ and 5.2MΩ to allexposedparts. (Fig. A) Equipment without antenna terminals should read approximately infinity to all exposed parts. (Fig. B)
   *Note: Some exposed partsmay beisolatedfrom the chassis by design. These will read infinity.

(Fig. A)


Antenna
terminal
Exposed
metal
part
Ohmmeter
Resistance = 3MΩ - 5.2MΩ

(Fig. B)



4. If the measurement is outside the specified limits, there is a possibility of a shock hazard. The equipment should be repaired and rechecked before it is returned to the customer.

TOP PREVIOUS NEXT

2 Caution for AC Mains Lead

TOP PREVIOUS NEXT

(For United Kingdom)

("EB" area code model only)

For your safety, please read the following text carefully.

This appliance is supplied with a moulded three pin mains plug for your safety and convenience.
A 5-ampere fuse is fitted in this plug.
Should the fuse need to be replaced please ensure that the replacement fuse has a rating of 5-ampere and that it is approved by ASTA or BSI to BS1362.
Check for the ASTA mark or the BSI mark on the body of the fuse.

If the plug contains a removable fuse cover you must ensure that it is refitted when the fuse is replaced.
If you lose the fuse cover the plug must not be used until a replacement cover is obtained.
A replacement fuse cover can be purchased from your local dealer.

CAUTION!
IF THE FITTED MOULDED PLUG IS UNSUITABLE FOR THE SOCKET OUTLET IN YOUR HOME THEN THE FUSE SHOULD BE REMOVED AND THE PLUG CUT OFF AND DISPOSED OF SAFELY.
THERE IS A DANGER OF SEVERE ELECTRICAL

WARNING: DO NOT CONNECT EITHER WIRE TO THE EARTH TERMINAL WHICH IS MARKED WITH THE LETTER E, BY THE EARTH SYMBOL OR COLOURED GREEN OR GREEN/YELLOW.

THIS PLUG IS NOT WATERPROOF—KEEP DRY.

Before use

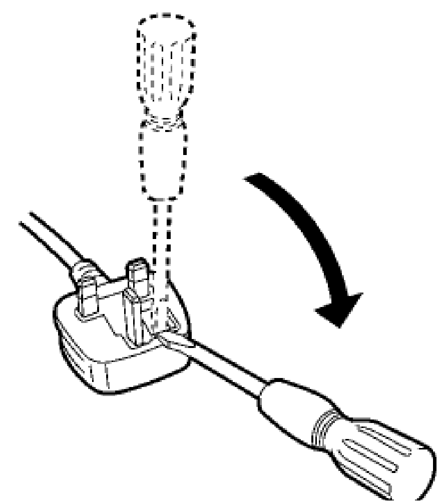
Remove the connector cover.

How to replace the fuse

The location of the fuse differ according to the type of AC mains plug (figures A and B). Confirm the AC mains plug fitted and follow the instructions below.
Illustrations may differ from actual AC mains plug.

1. Open the fuse cover with a screwdriver.

Figure A



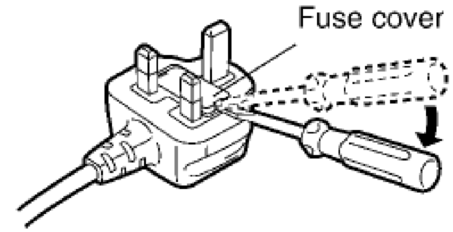
SHOCK IF THE CUT OFF PLUG IS INSERTED INTO ANY 13-AMPERE SOCKET.

If a new plug is to be fitted please observe the wiring code as shown below.
If in any doubt please consult a qualified electrician.

IMPORTANT

The wires in this mains lead are coloured in accordance with the following code:
Blue: Neutral, Brown: Live.
As these colours may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:
The wire which is coloured Blue must be connected to the terminal which is marked with the letter N or coloured Black or Blue.
The wire which is coloured Brown must be connected to the terminal which is marked with the letter L or coloured Brown or Red.

Figure B



2. Replace the fuse and close or attach the fuse cover.

Figure A

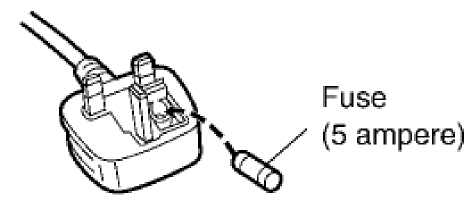
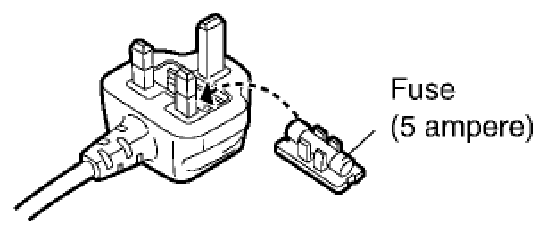


Figure B

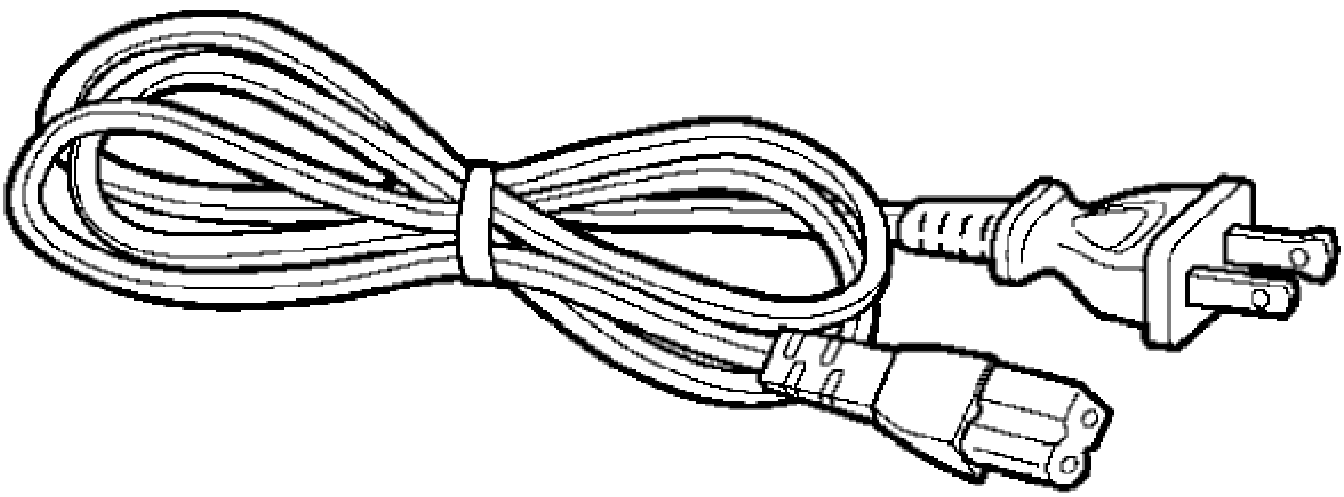


TOP PREVIOUS NEXT

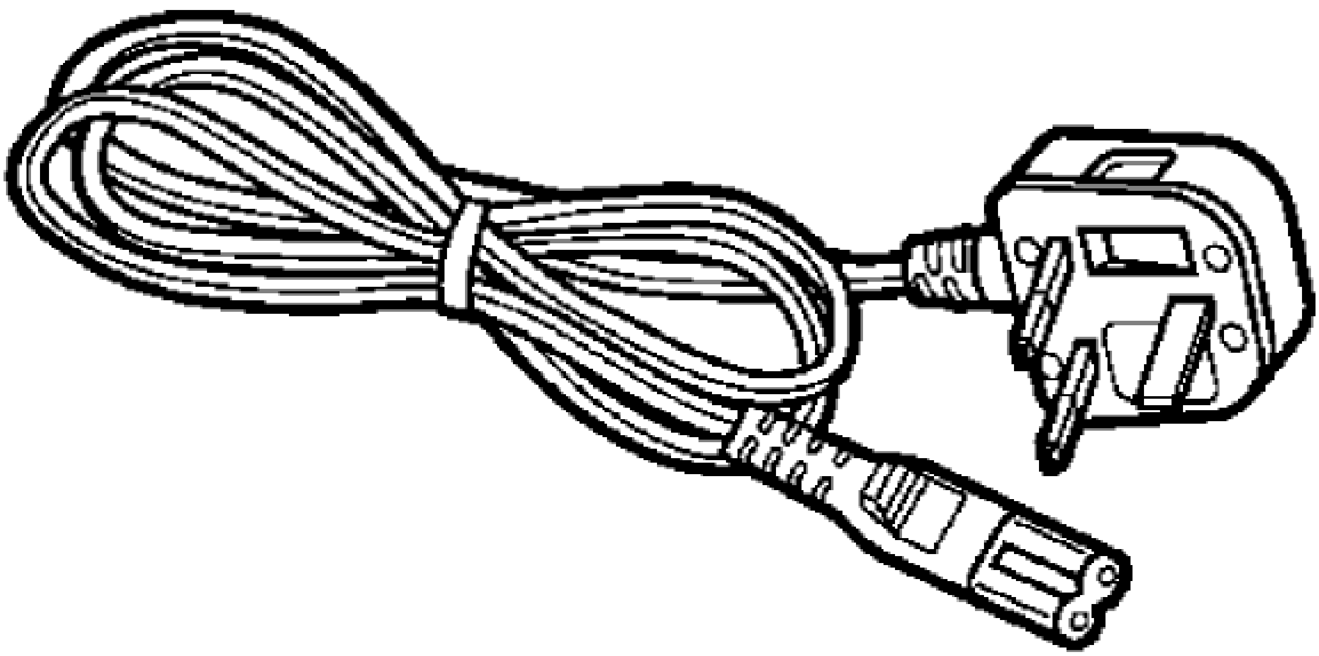
3 Accessories

TOP PREVIOUS NEXT

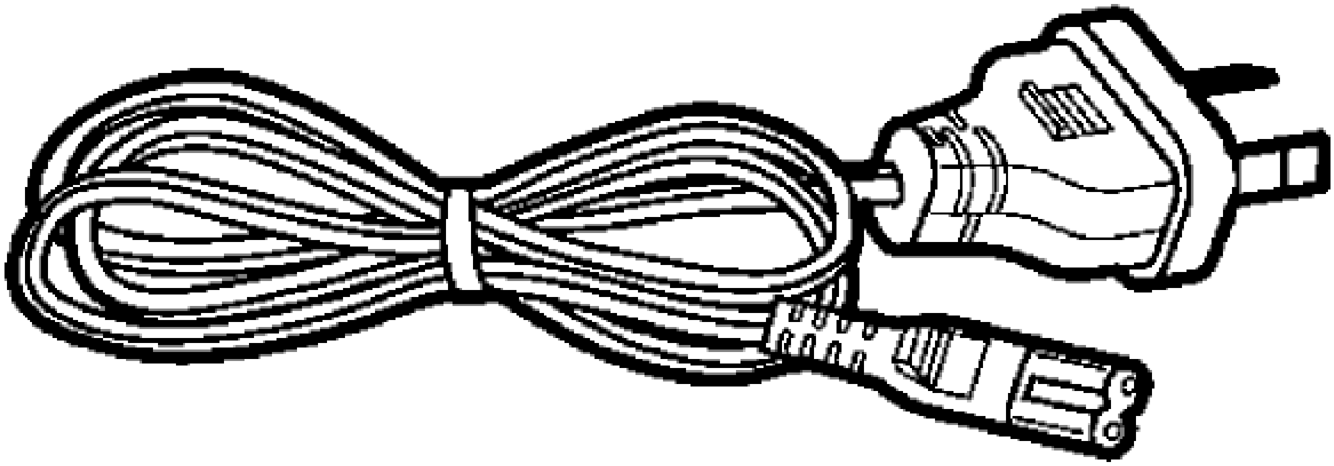
- AC power supply cord..1pc.
    - For U.S.A. and Canada. (K2CB2CB00006)



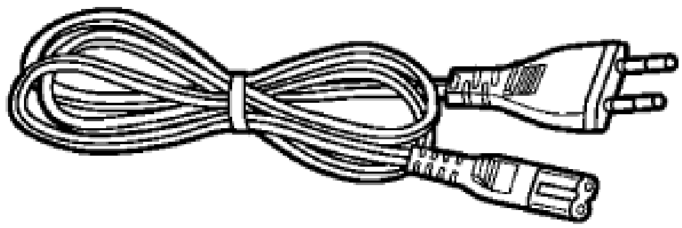
- For the United Kingdom. (RJA0053-3X)



- For Australia and New Zealand. (K2CJ2DA00008)



- For others (RJA0019-2X)

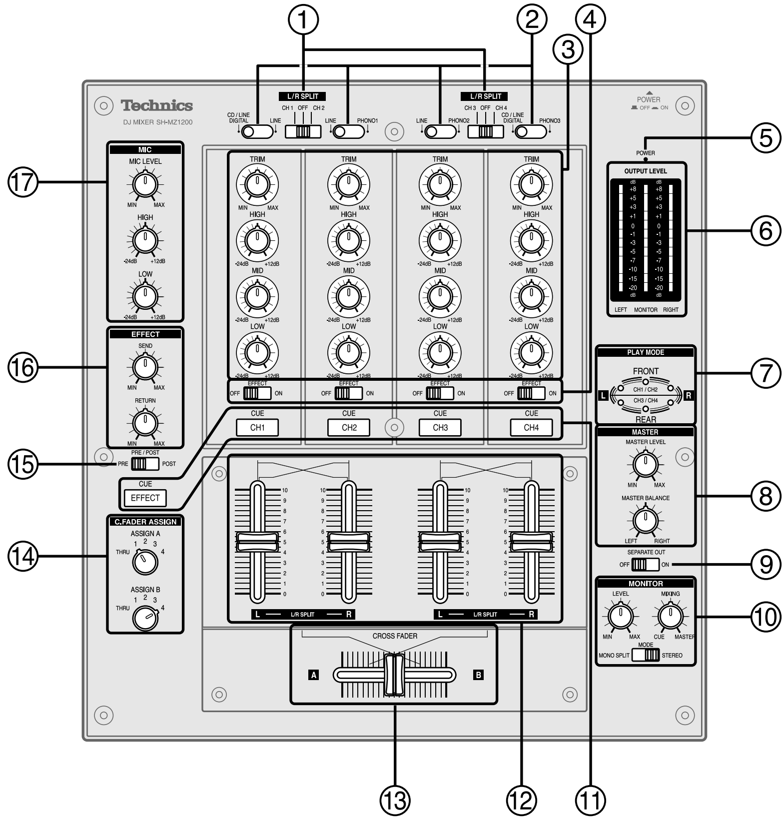


Note:
The included AC power supply cord is for use with this unit only.
Do not use it with other equipment.

TOP PREVIOUS NEXT

4 Component Part Name

Control panel



① **Input switch for adjusting left and right input individually (L/R SPLIT)**

② **Input switch (CH1-CH4)**
CD/LINE DIGITAL: Line or CD input, Digital input
LINE: Line input
PHONO 1-3: Turntable phono input

③ **Input control knob (CH1-CH4)**
Input level control knob (TRIM)
High-tone input control knob (HIGH)
Mid-tone input control knob (MID)
Low-tone input control knob (LOW)

④ **Channel effect (CH1-CH4) switch (EFFECT)**

⑤ **Power indicator lamp (POWER)**

⑥ **Output level meter (OUTPUT LEVEL)**

⑦ **Play mode lamp (PLAY MODE)**

⑧ **Master output control knob (MASTER)**
Master level volume control knob (MASTER LEVEL)
Master balance control knob (MASTER BALANCE)

⑨ **Output separation ON, OFF switch (SEPARATE OUT)**

⑩ **Monitor control knob (MONITOR)**
Monitor level volume control knob (LEVEL)
Monitor mixing control knob (MIXING)
Monitor mode switch (MODE)

⑪ **Monitor select button-display lamp (CUE)**
CH1-CH4: CH1-CH4 monitor selector
EFFECT: Effector monitor selector

⑫ **Channel fader (CH1 - CH4)**

⑬ **Cross fader (CROSS FADER)**

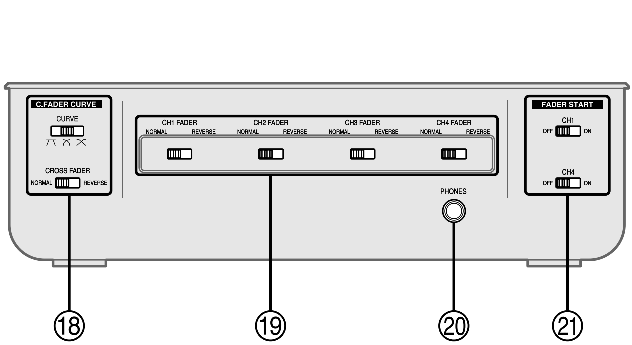
⑭ **Cross fader Assign A, B switch (C. FADER ASSIGN)**

⑮ **Effector output switch (PRE/POST)**

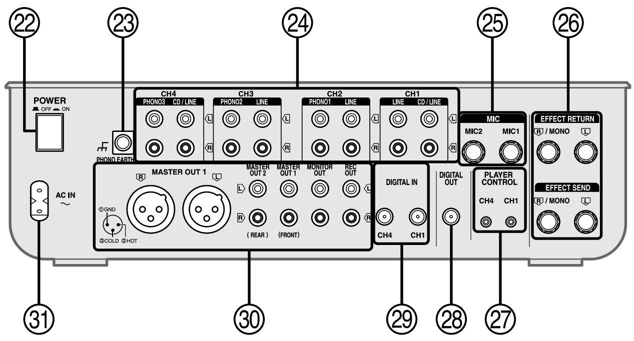
⑯ **Input-output effect control knob (EFFECT)**
Output effect control knob (SEND)
Input effect control knob (RETURN)

⑰ **Microphone input control knob (MIC)**
Microphone level volume control knob (MIC LEVEL)
High-tone microphone control knob (HIGH)
Low-tone microphone control knob (LOW)

Front panel



Rear panel



⑱ **Cross fader curve control switch (C.FADER CURVE)**
Curve switch (CURVE)
Cross fader operation switch (CROSS FADER)

⑲ **Fader operation switch (CH1-CH4 FADER)**

⑳ **Headphone terminal (PHONES)**

㉑ **Fader start (ON, OFF) switch (FADER START)**

㉒ **Power button (POWER ▀OFF ▬ON)**

㉓ **Turntable earth terminal (PHONO EARTH)**

㉔ **Input terminal (CH1-CH4)**
CD/LINE: CD or line terminal
LINE: Line terminal
PHONO 1-3: Turntable phono terminal

㉕ **Microphone input terminal (MIC1, MIC2)**

㉖ **Effector input-output terminal (EFFECT RETURN, EFFECT SEND)**

㉗ **Player control (CH1, CH4) terminal (PLAYER CONTROL)**

㉘ **Digital output terminal (DIGITAL OUT)**

㉙ **Digital input (CH1, CH4) terminal (DIGITAL IN)**

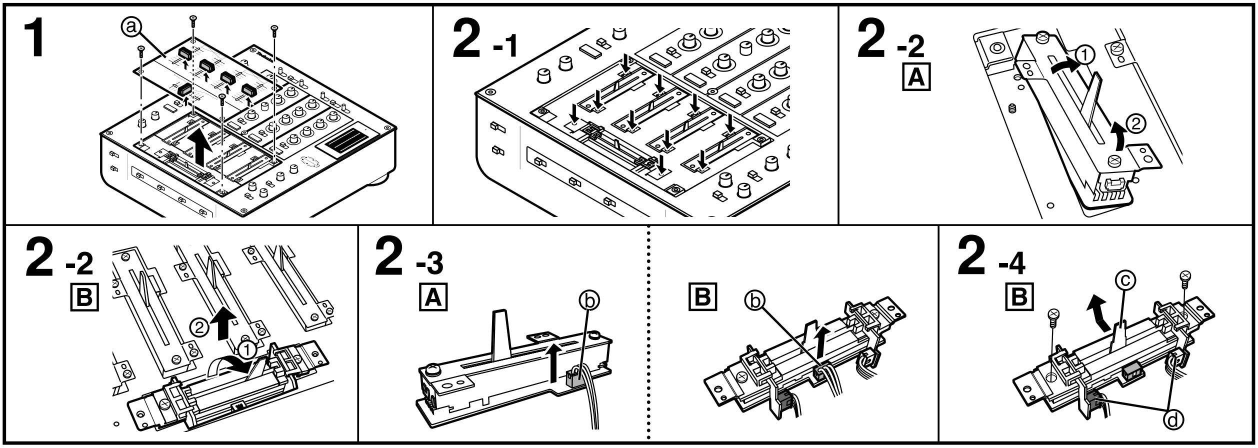
㉚ **Output terminal**
Master out 1, 2 terminal (MASTER OUT)
Monitor out terminal (MONITOR OUT)
Rec terminal (REC OUT)

㉛ **Power input terminal (AC IN ～)**

5 Fader Replacement Instructions

TOP PREVIOUS NEXT

TOP PREVIOUS NEXT



DJ Mixer
Fader Replacement Instructions

First, remove the AC power supply cord (AC mains lead) and follow the steps below to replace with a new fader.

1 Remove all five channel fader, cross fader knobs, and the replacement panel

Remove the four plate screws on the replacement panel.

ⓐ Replacement panel

2 Remove the channel fader or cross fader to be replaced

CAUTION

Do not let the screws fall inside the unit.

-1 Remove the two fader fastening screws

-2 Remove the fader

A Channel fader

Turn on an angle and lift to remove.

B Cross fader

Turn on an angle and lift to remove.

-3 Remove the fader cable while holding the 3 pin connector

A B ⓑ 3 pin connector

-4 B Cross fader

Remove the two fastening screws, the optical device unit, and then the cross fader.

CAUTION

- Move the lever toward the center and remove.
- Do not change the shape of the optical device unit or the 4 pin terminal.

ⓒ Lever

ⓓ 4 pin terminal

3 Attach the new channel fader or cross fader

Attach by performing the opposite of the remove step.

4 Attach the replacement panel and knobs

6 Operation Checks and Component Replacement Procedures

TOP PREVIOUS NEXT

- This section describes procedures for checking the operation of the major printed circuit boards and replacing the main components.
- For reassembly after operation checks or replacement, reverse the respective procedures. Special reassembly procedures are described only when required.

6.1 Checking for the output P.C.B., monitor P.C.B., sub P.C.B., headphones P.C.B. and front sw P.C.B.

6.2 Checking for the power transformer P.C.B.

6.3 Checking for the input P.C.B. and sub P.C.B.

6.4 Checking for the EQ P.C.B. and LED P.C.B.

6.5 Removal of each P.C.B.

6.5.1 Removal of sub P.C.B. and output P.C.B.

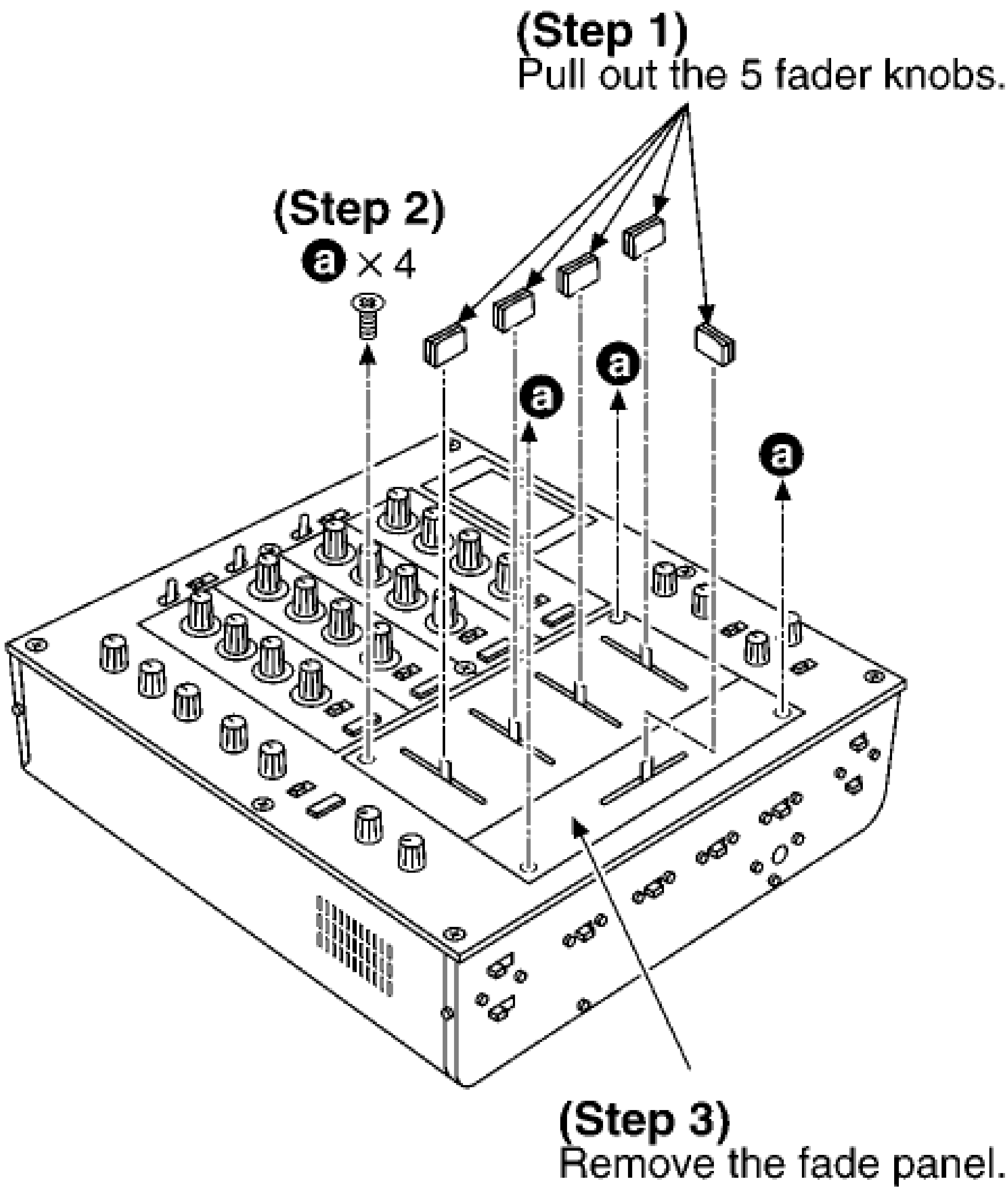
6.5.2 Removal of the input P.C.B.

6.5.3 Removal of the EQ P.C.B.

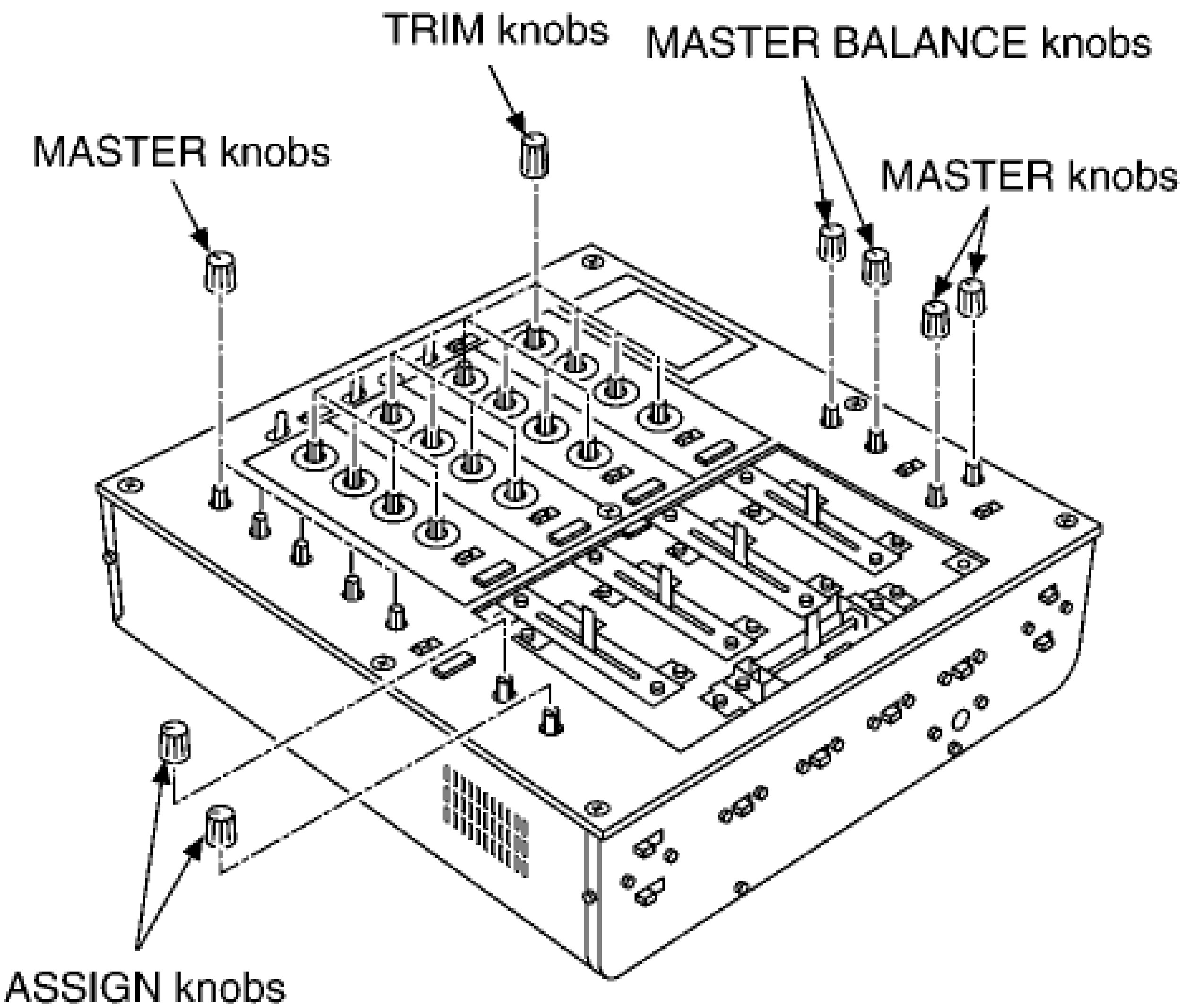
TOP PREVIOUS NEXT

6.1 Checking for the output P.C.B., monitor P.C.B., sub P.C.B., headphones P.C.B. and front sw P.C.B.

TOP PREVIOUS NEXT

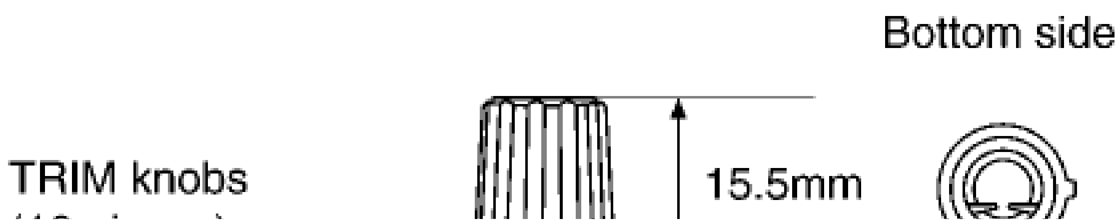


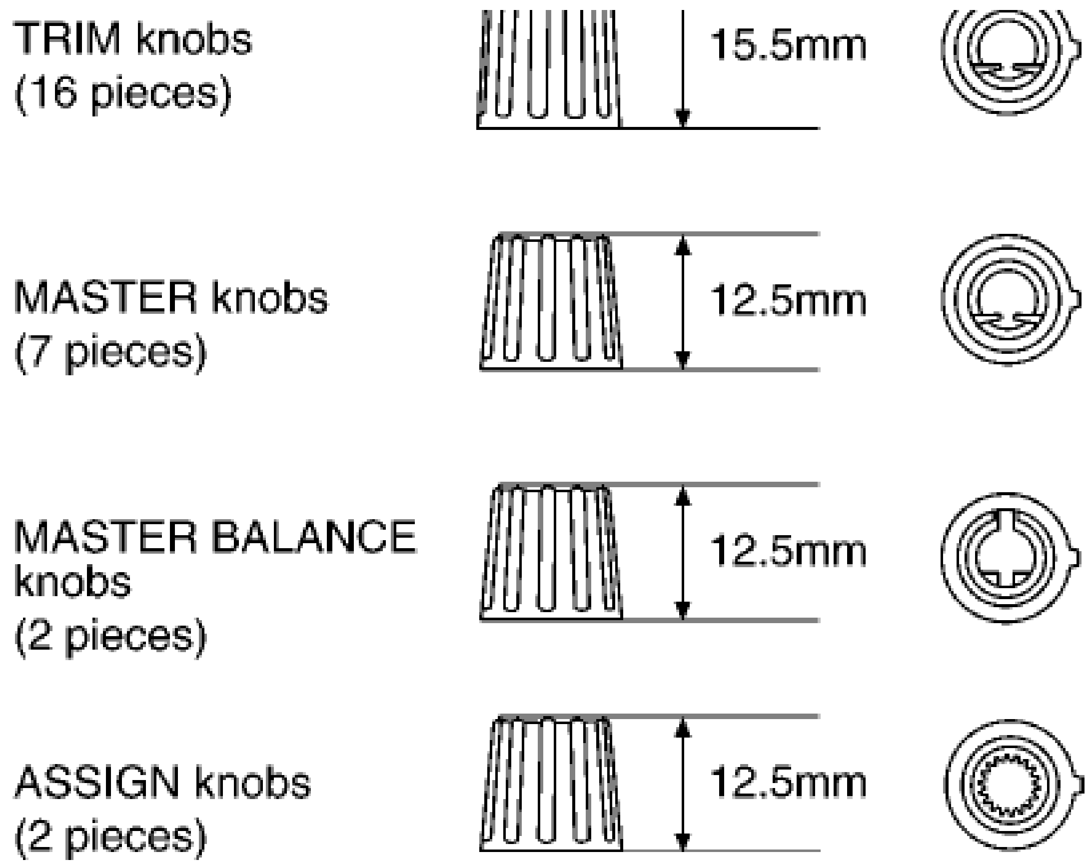
(Step 4)
Pull out the 16 TRIM knobs, 7 MASTER knobs, 2 MASTER BALANCE knobs and 2 ASSIGN knobs .



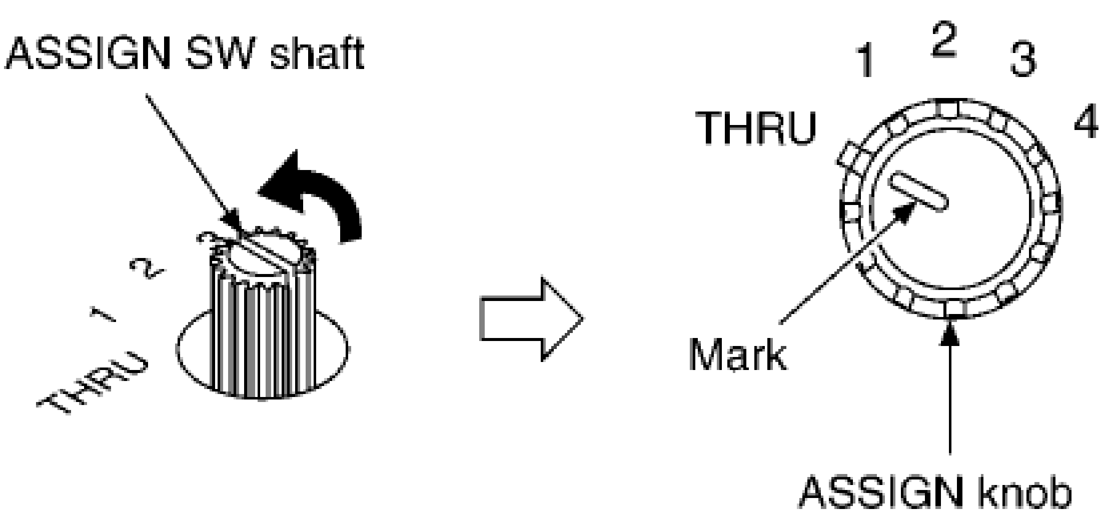
■ Note when installing the knobs

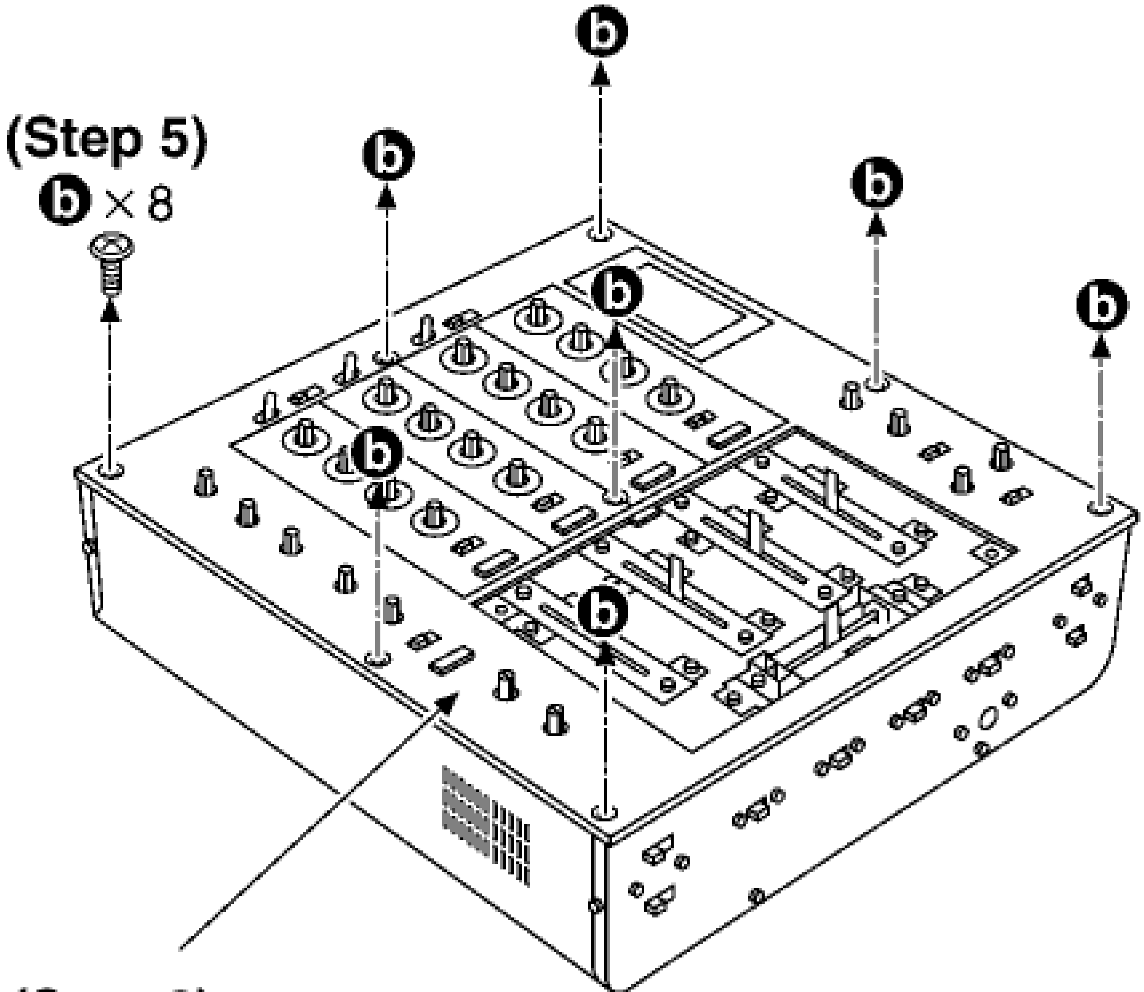
- Be careful not to mistake the knobs as the shape of each knob is different.





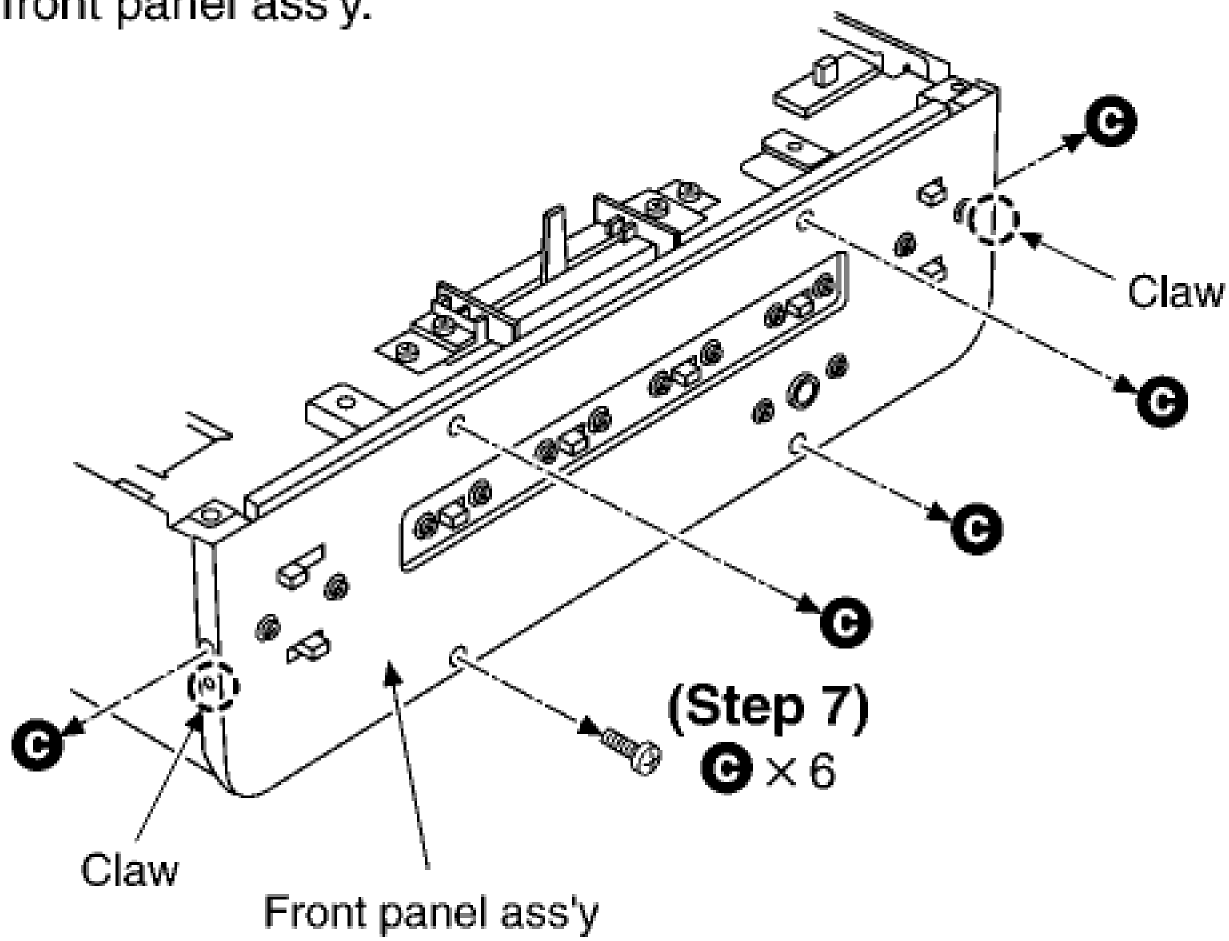
- Installation of the ASSIGN knob.
  1. Fully turn the ASSIGN SW shaft in the direction of arrow.
  2. Install the ASSIGN knob so that the mark mates to the THRU.

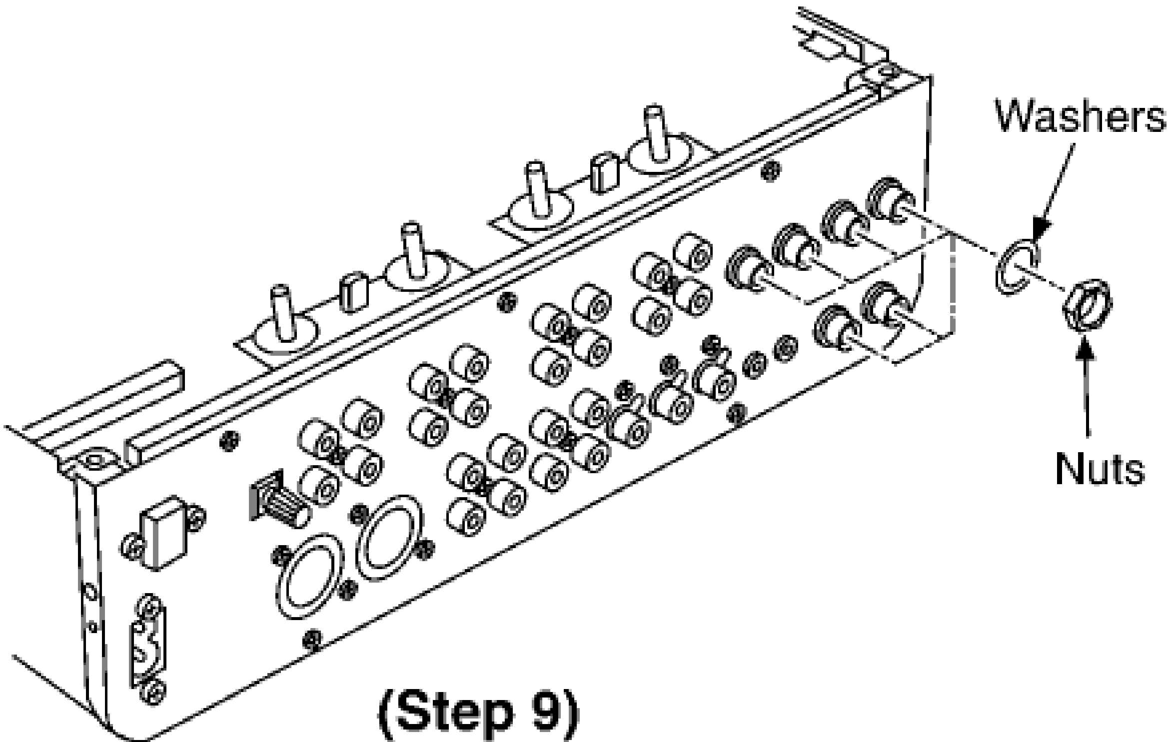




(Step 6)
Remove the upper panel ass'y.

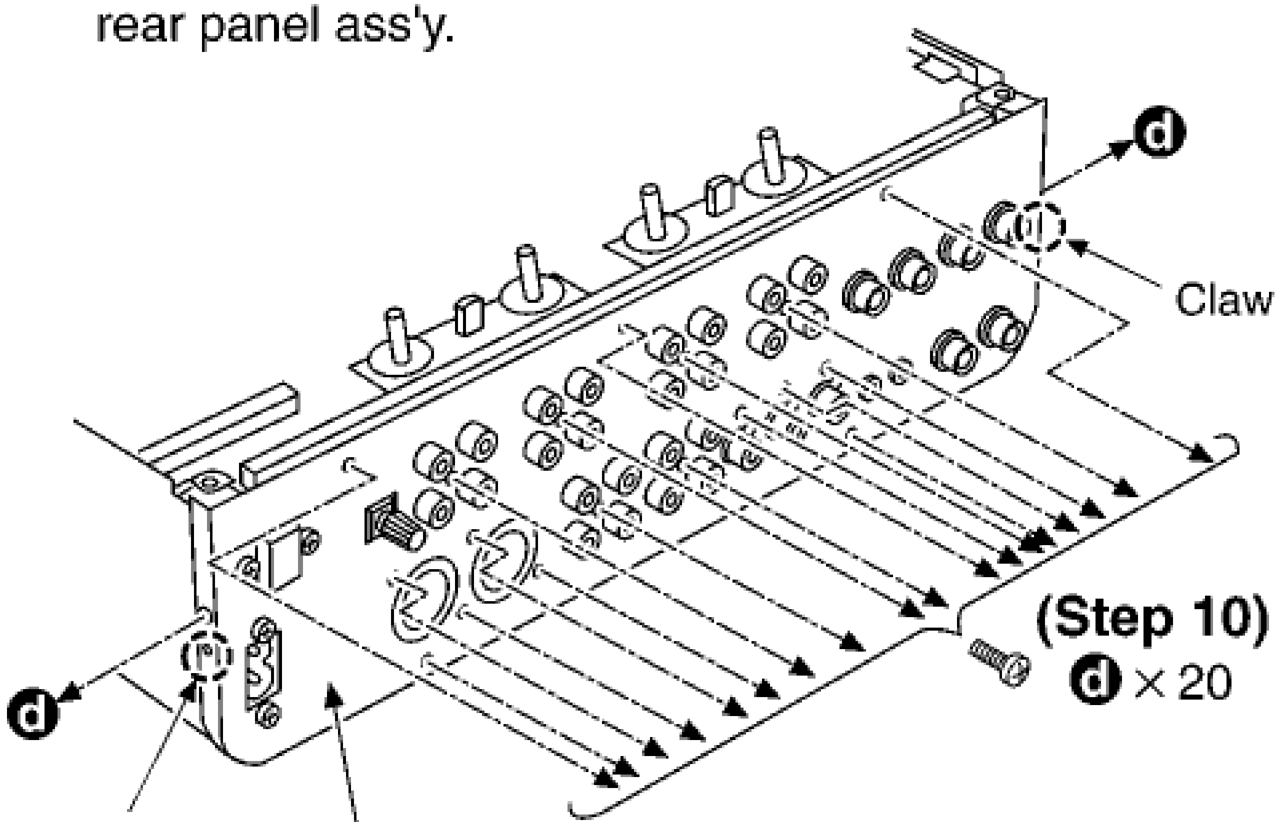
(Step 8)
Release the 2 claws, and then remove the front panel ass'y.



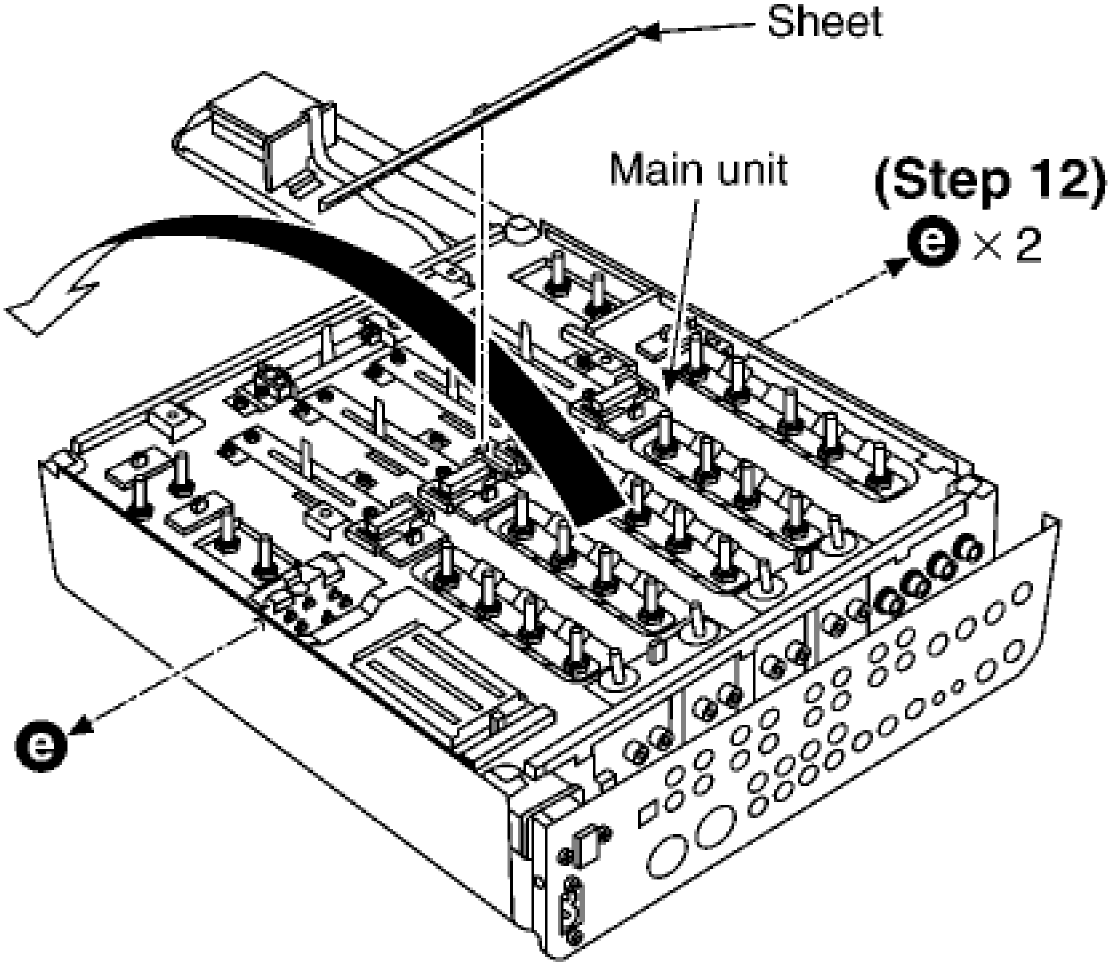


(Step 9)
Remove the 6 nuts and 6 washers.

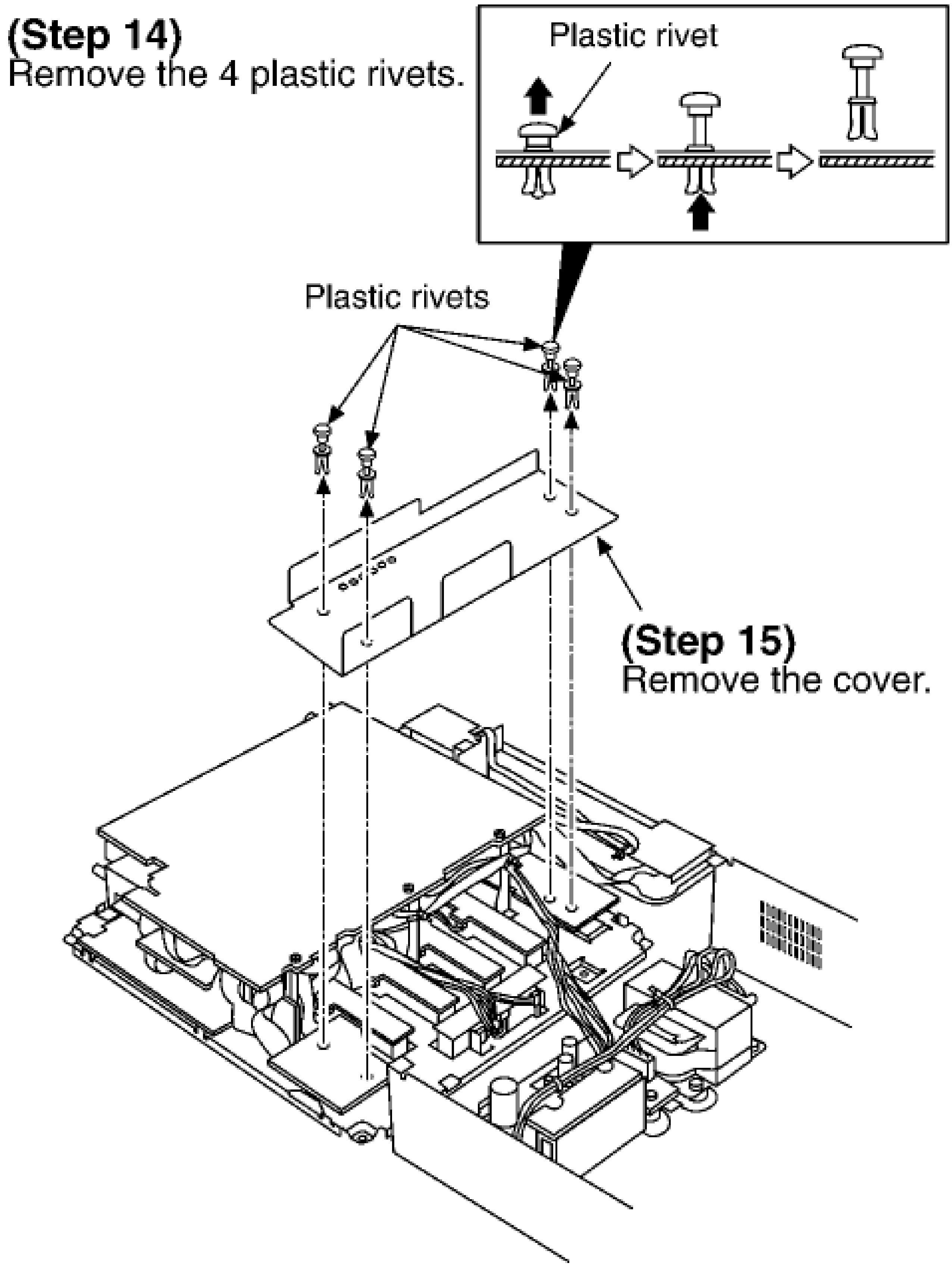
(Step 11)
Release the 2 claws, and then remove the rear panel ass'y.



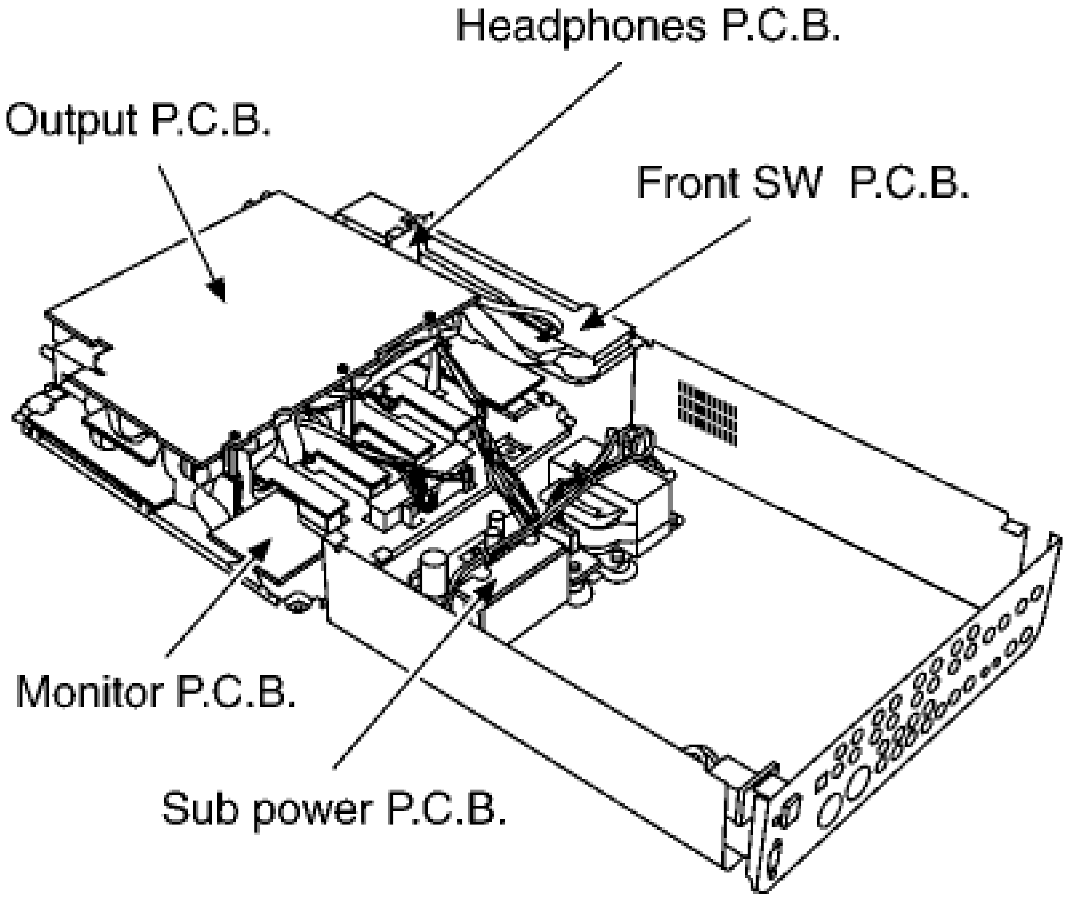
(Step 13)
Hold the main unit and turn it over.



Note:
As the sheet is easy to fall off, remove the sheet before turning over the main unit.



- Check the output P.C.B., monitor P.C.B., sub power P.C.B., headphones P.C.B. and front sw P.C.B. as shown below.

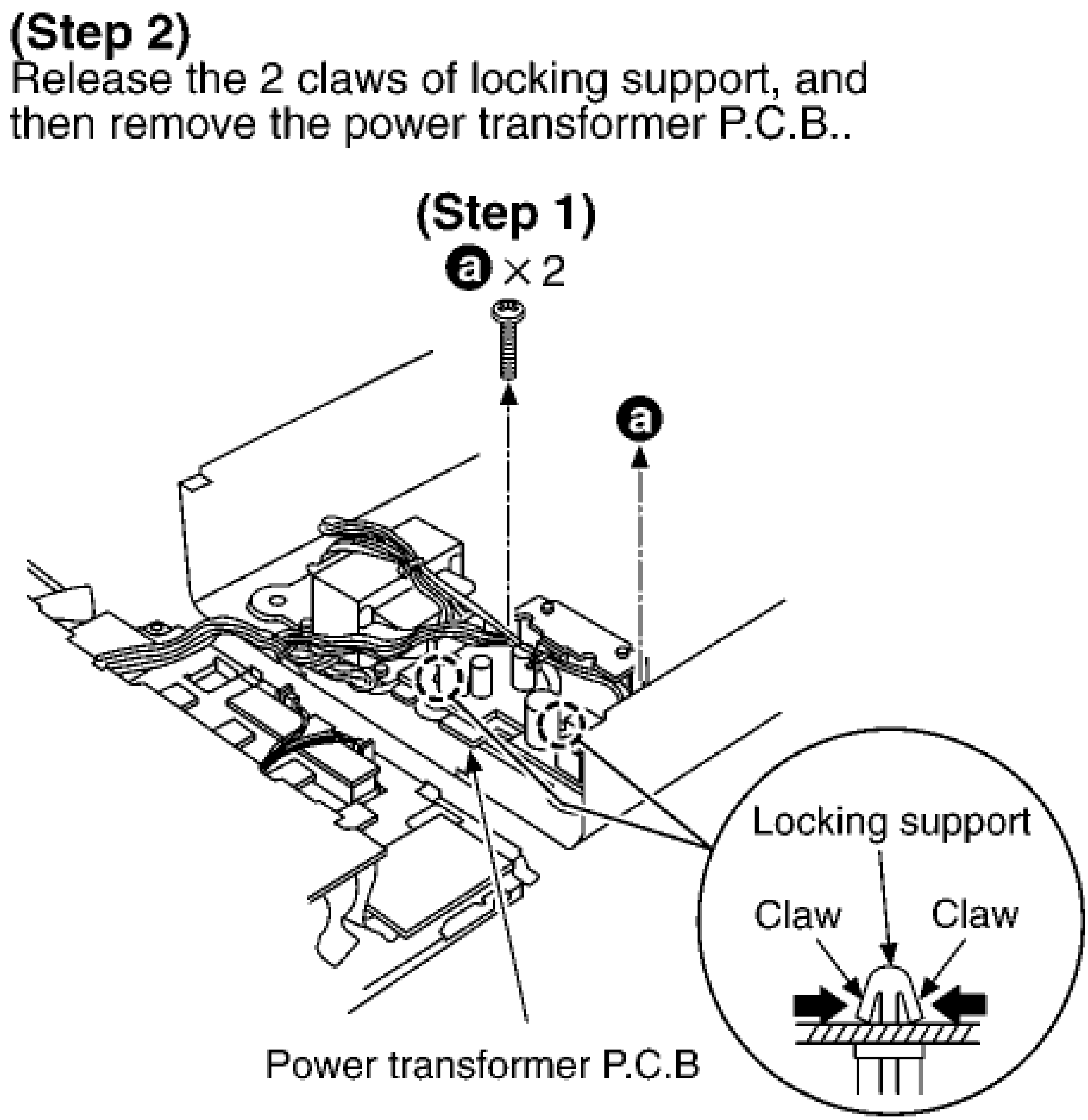


TOP PREVIOUS NEXT

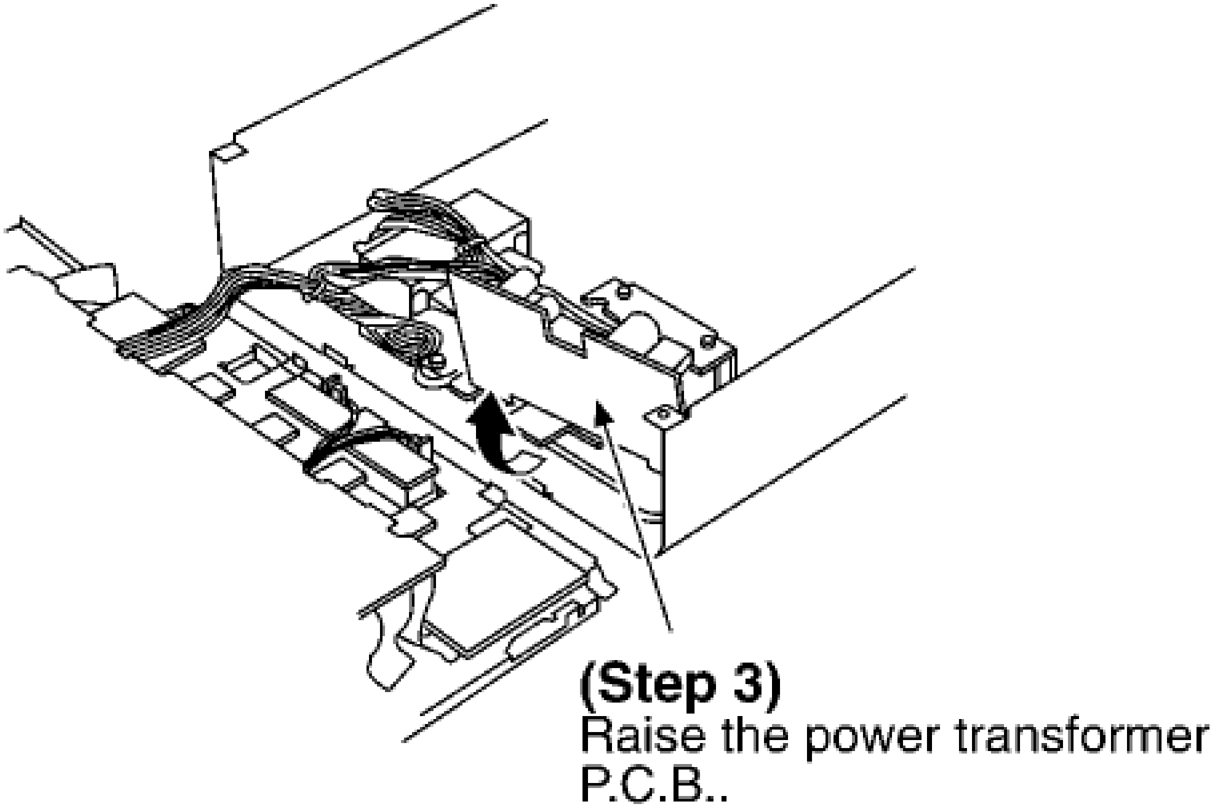
6.2 Checking for the power transformer P.C.B.

TOP PREVIOUS NEXT

- Follow the (Step 1) - (Step14) of item6.1.



- Check the power transformer P.C.B. as shown below.

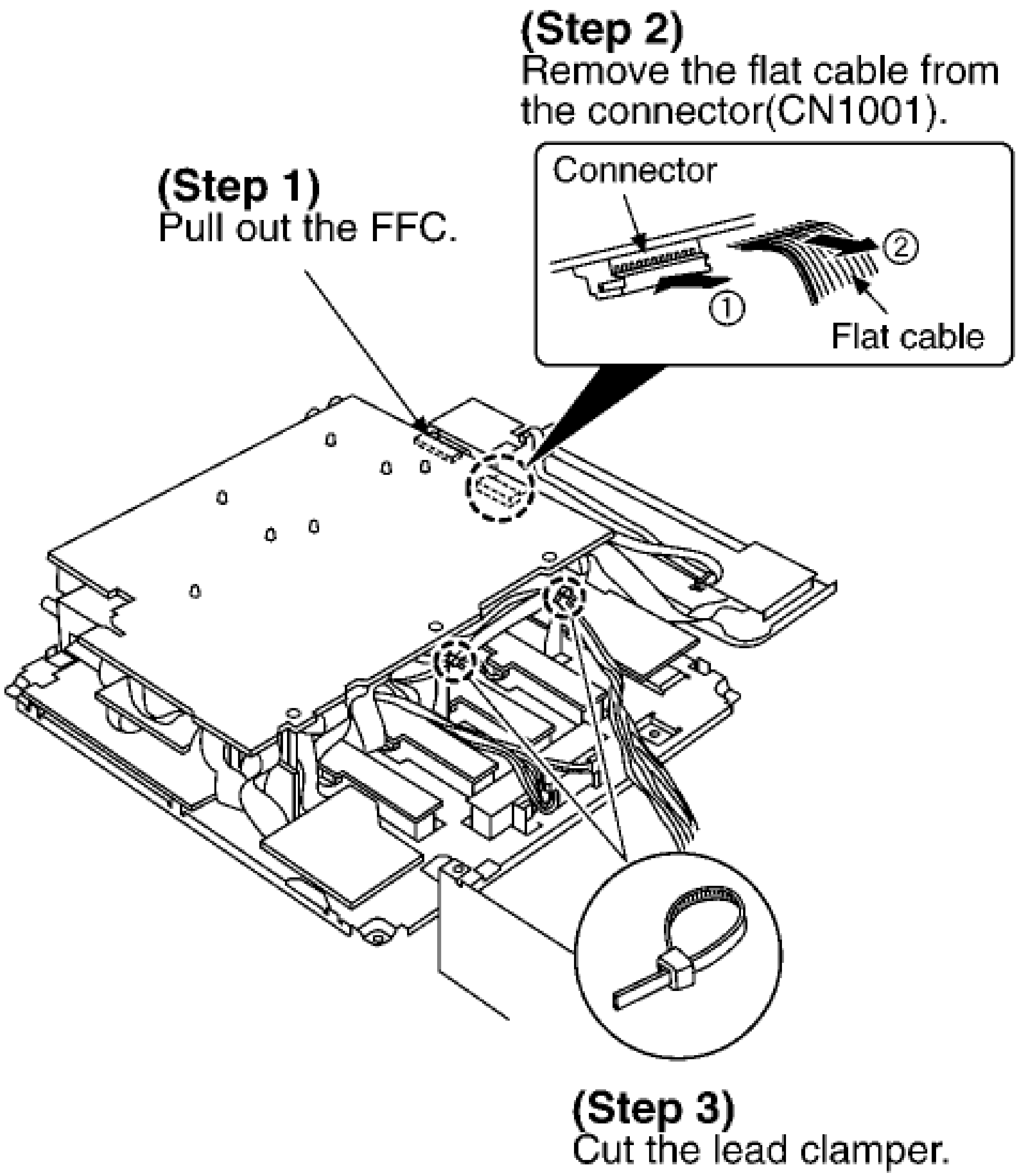


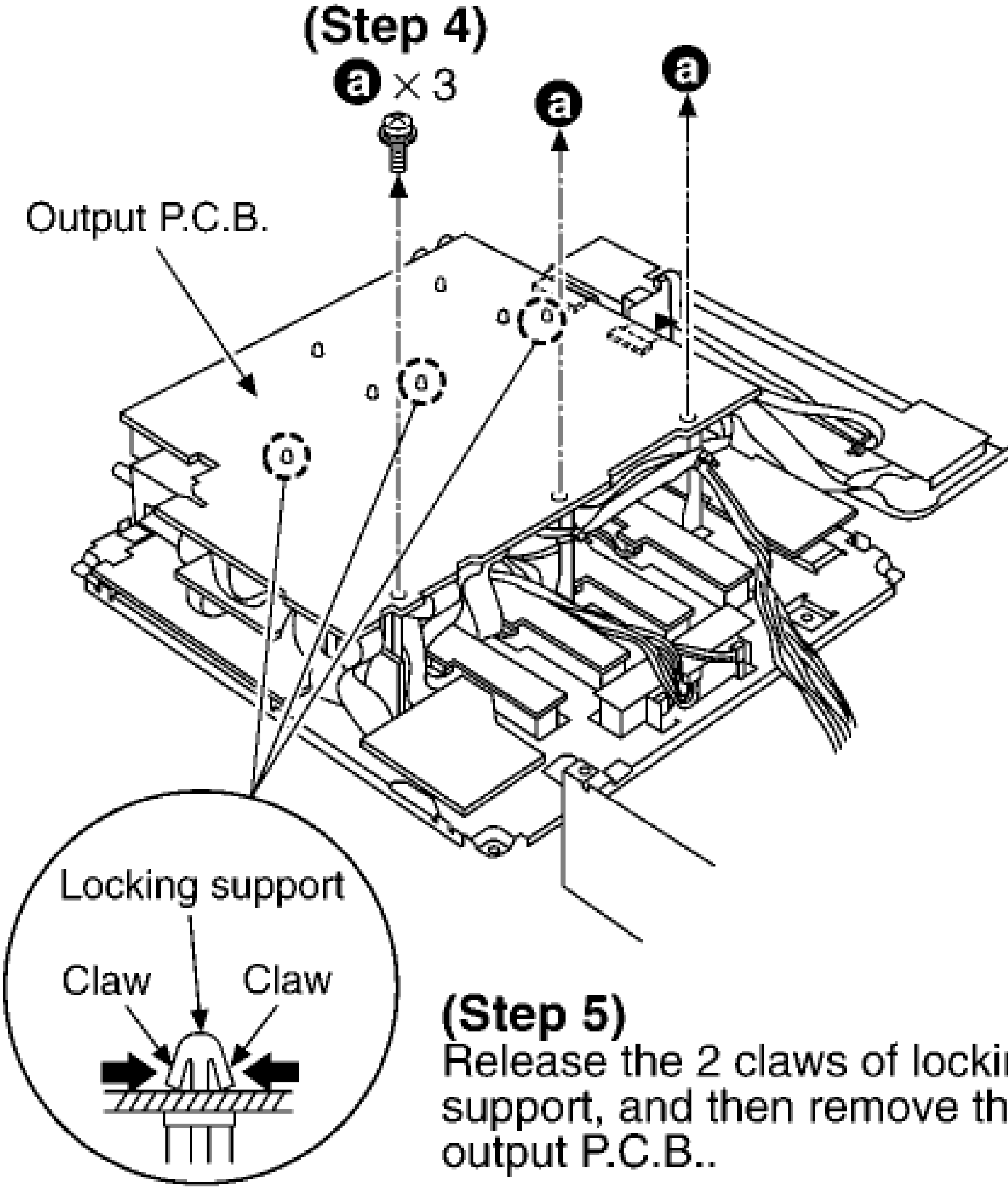
TOP PREVIOUS NEXT

6.3 Checking for the input P.C.B. and sub P.C.B.

TOP PREVIOUS NEXT

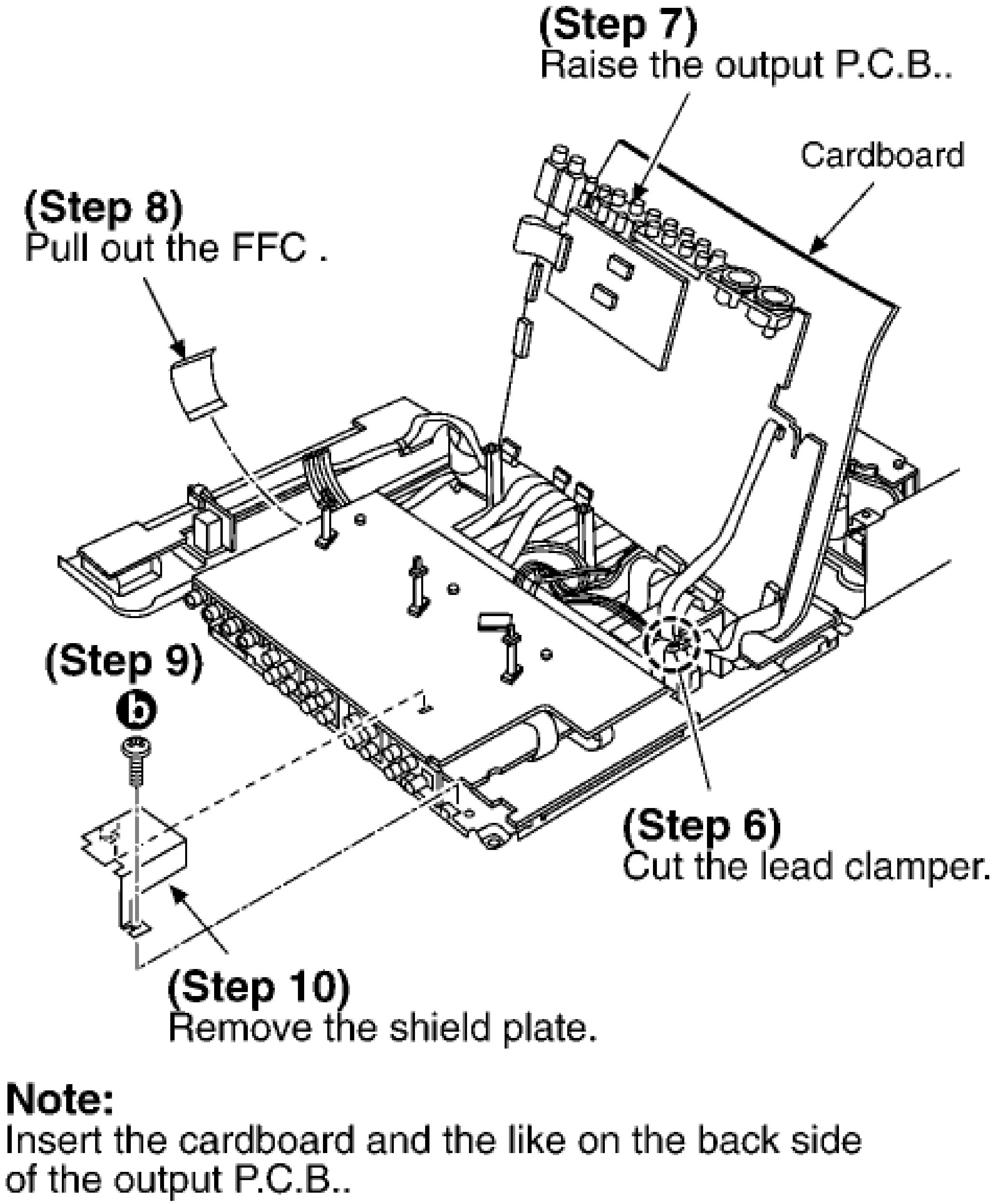
- Follow the (Step 1) - (Step14) of item6.1.



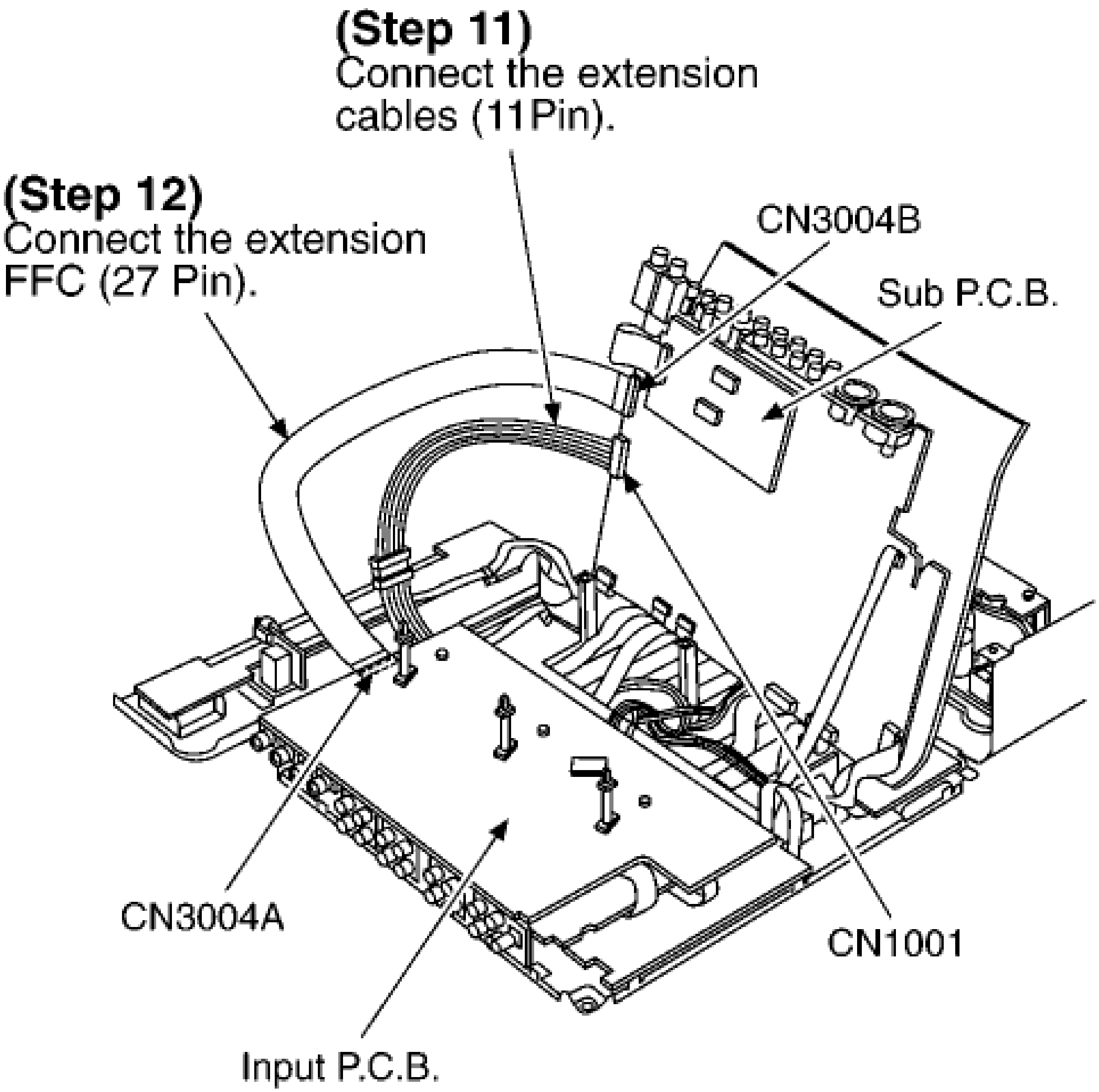


(Step 5)

Release the 2 claws of locking support, and then remove the output P.C.B..



- Check the input P.C.B. and sub P.C.B. as shown below.



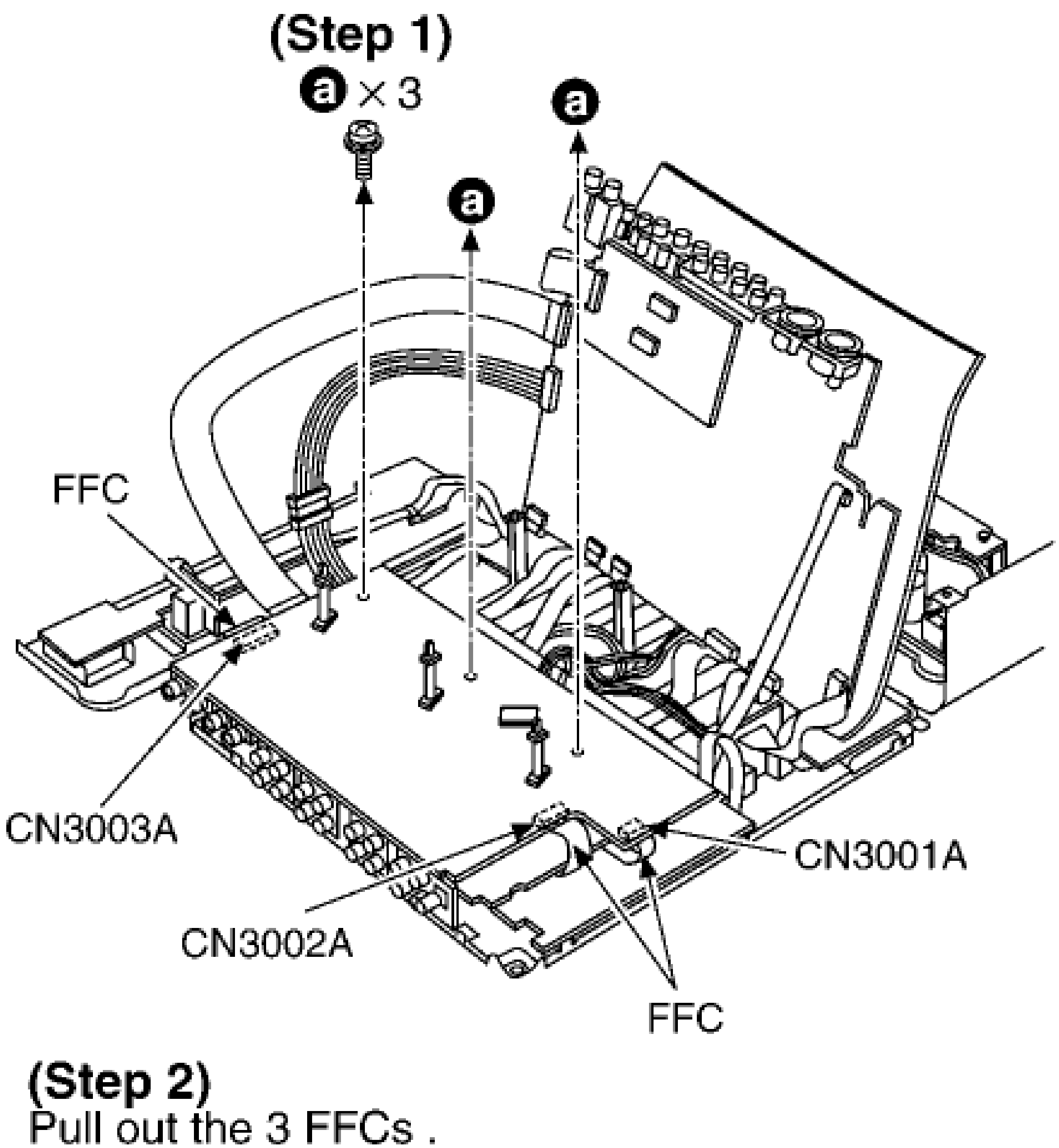
	Part No.
Extension FFC (27 Pin)	RFKZ0267
Extension cable (11 Pin)	RFKZ0269

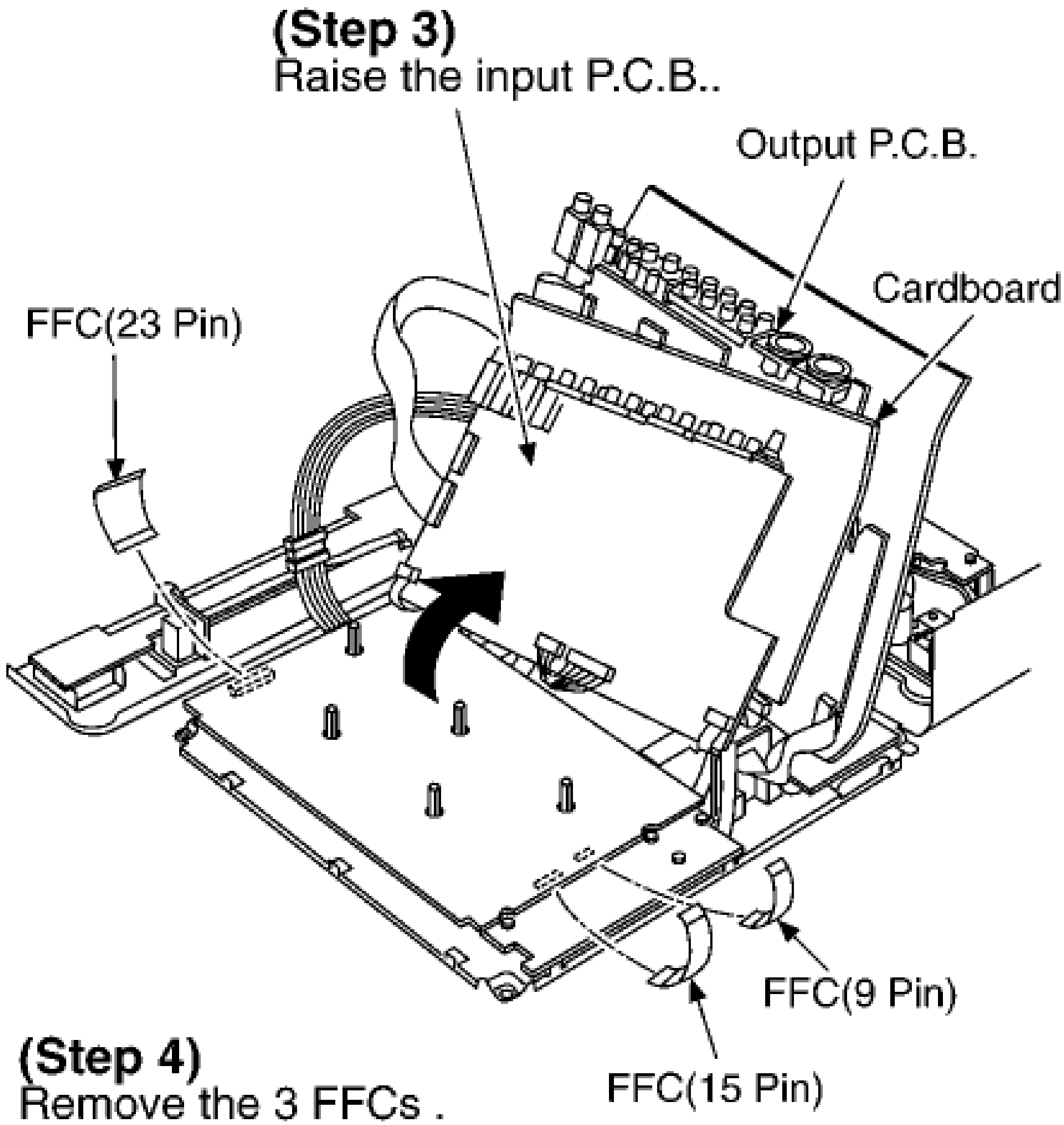
TOP PREVIOUS NEXT

6.4 Checking for the EQ P.C.B. and LED P.C.B.

TOP PREVIOUS NEXT

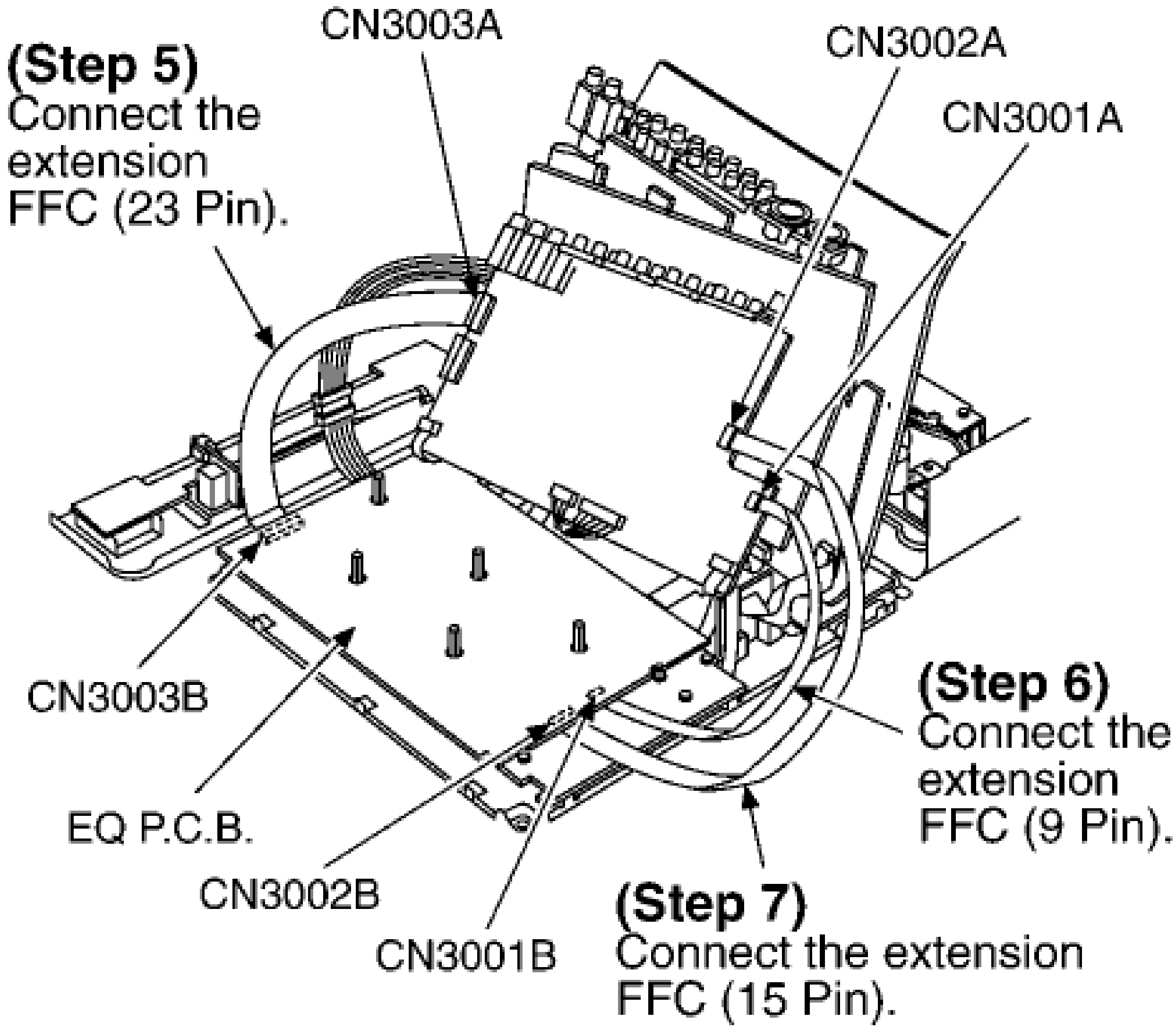
- Follow the (Step 1) - (Step14) of item6.1.
- Follow the (Step 1) - (Step11) of item6.3.



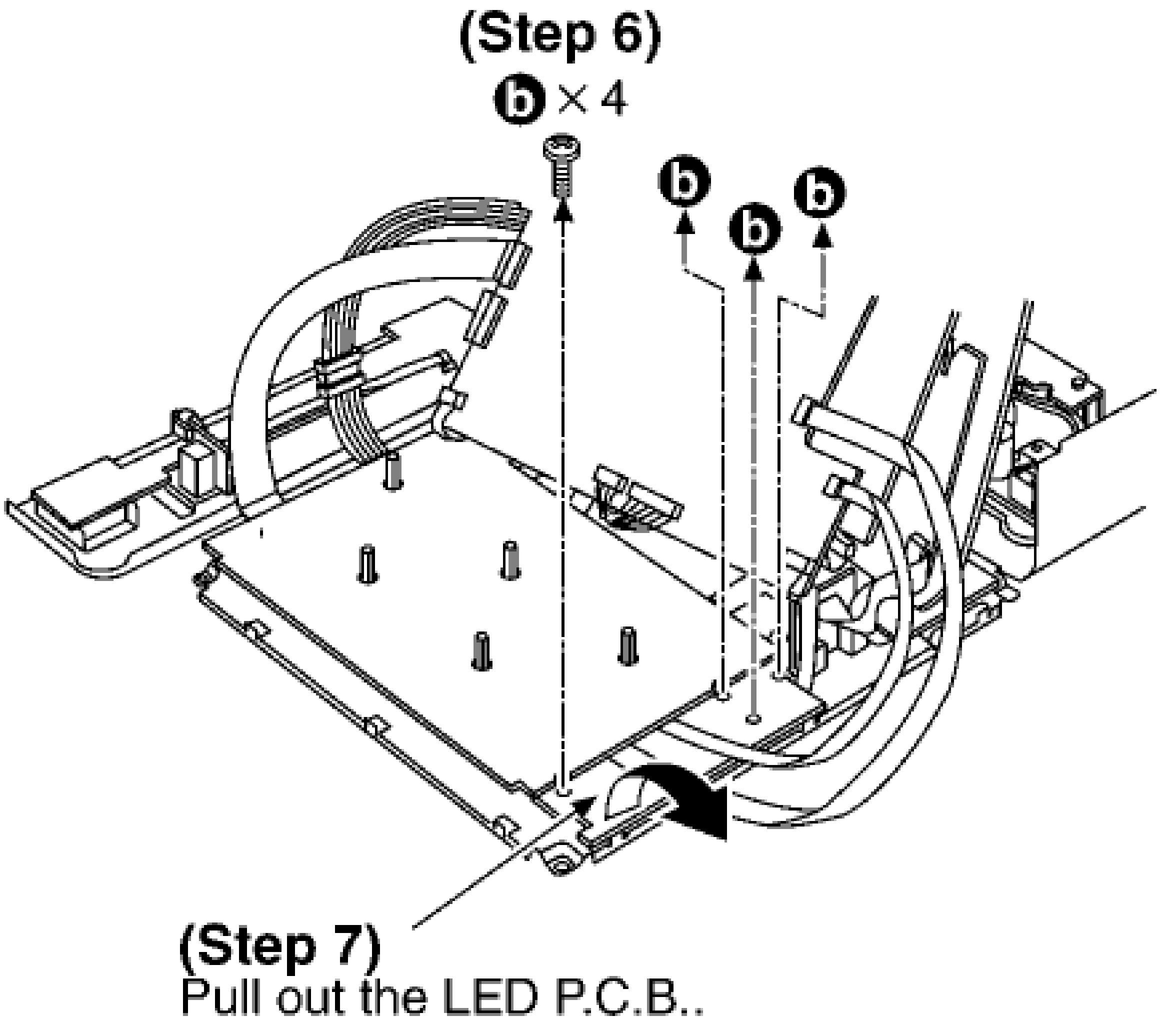


Note:
Insert the cardboard and the like between the input and output P.C.B..

- Check the EQ P.C.B. as shown below.



	Part No.
Extension FFC (23 Pin)	RFKZ0268
Extension FFC (15 Pin)	RFKZ0265
Extension FFC (9 Pin)	RFKZ0266



- Check the LED P.C.B. as shown below.

TOP PREVIOUS NEXT

6.5 Removal of each P.C.B.

TOP PREVIOUS NEXT

6.5.1 Removal of sub P.C.B. and output P.C.B.

6.5.2 Removal of the input P.C.B.

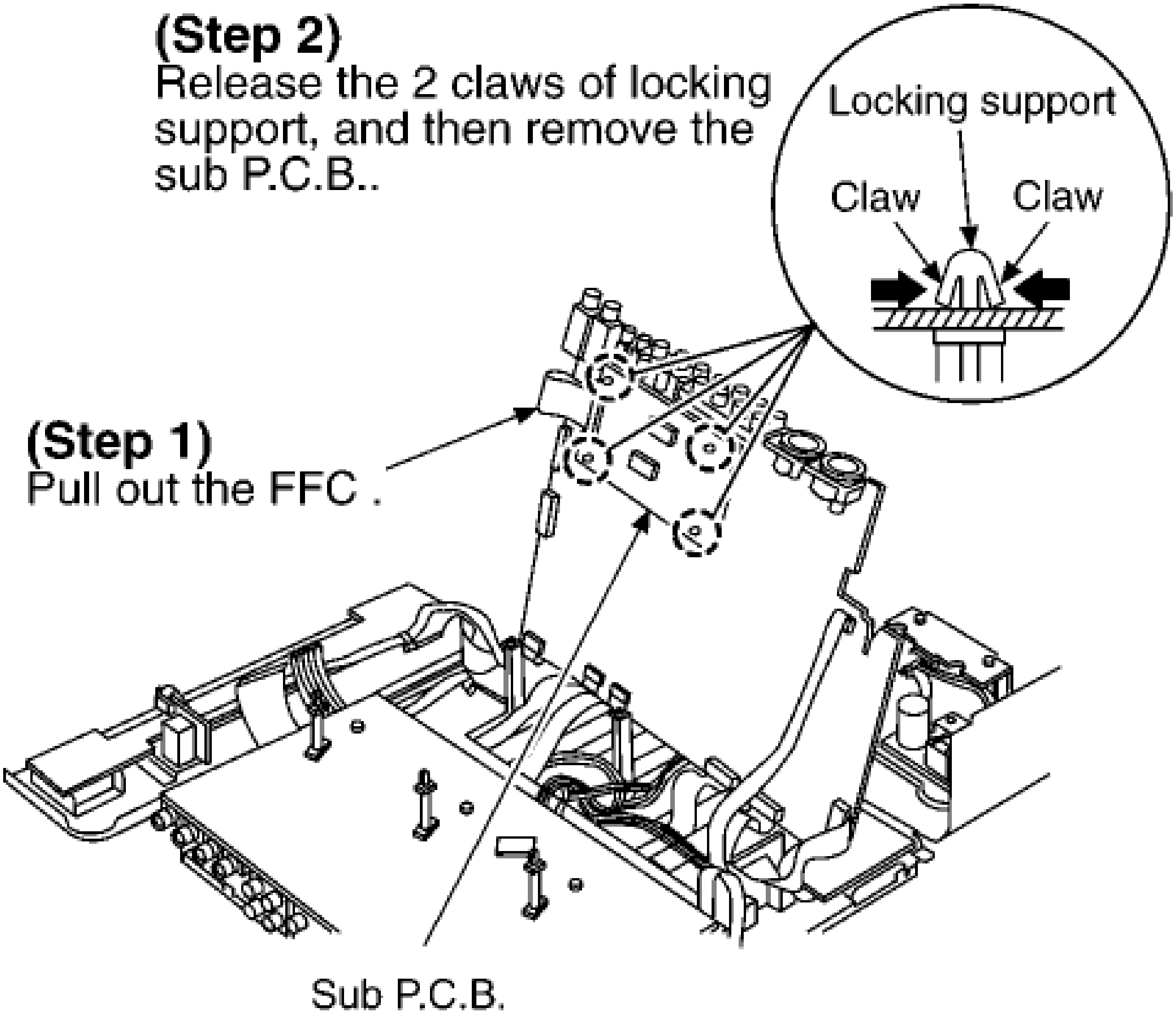
6.5.3 Removal of the EQ P.C.B.

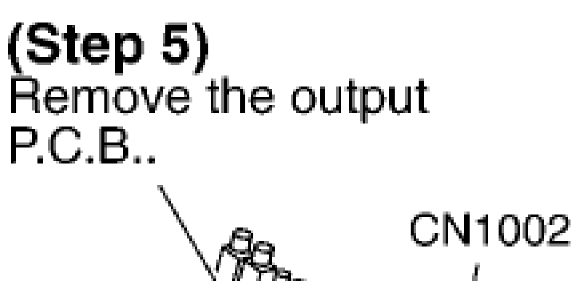
TOP PREVIOUS NEXT

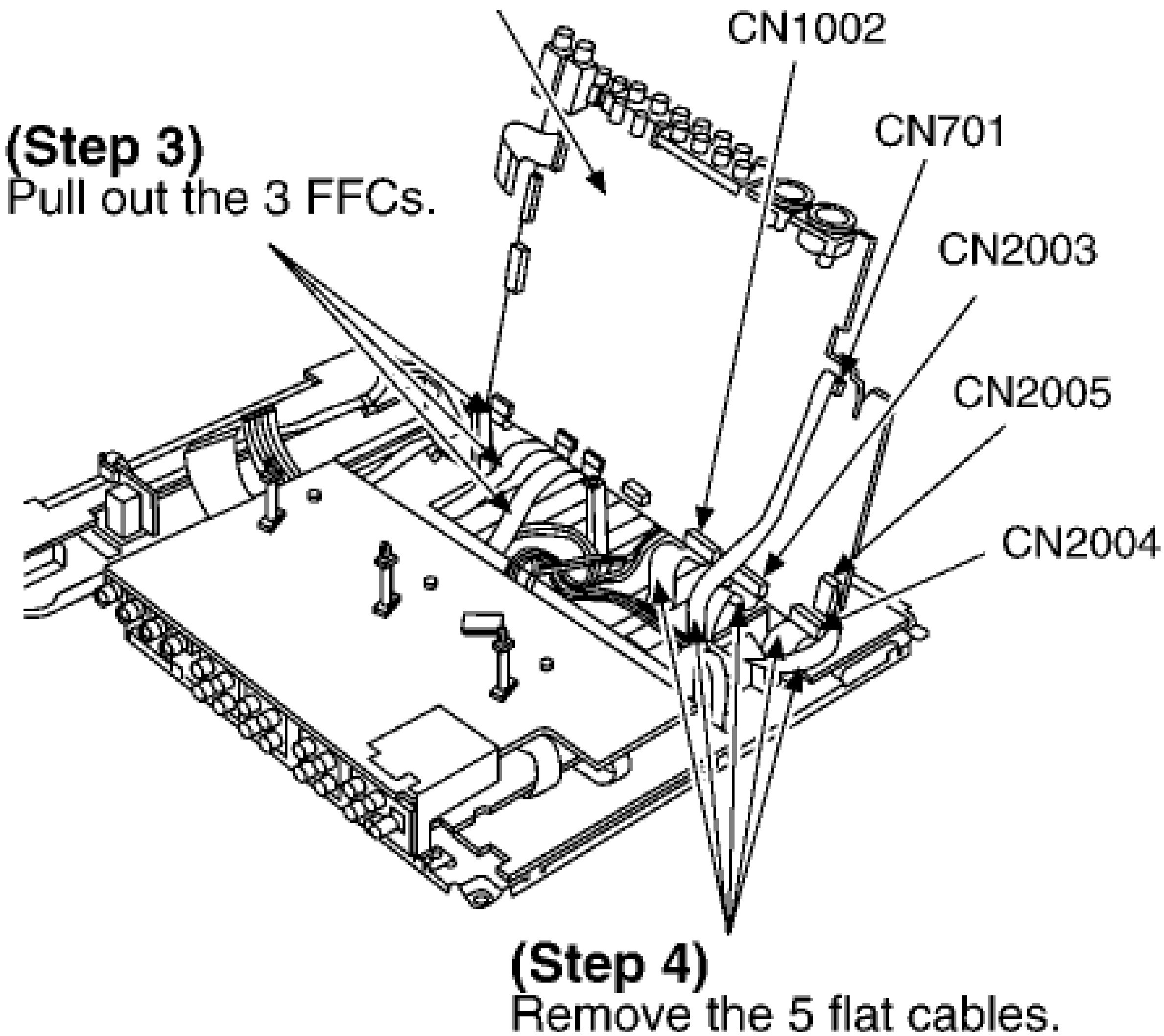
6.5.1 Removal of sub P.C.B. and output P.C.B.

TOP PREVIOUS NEXT

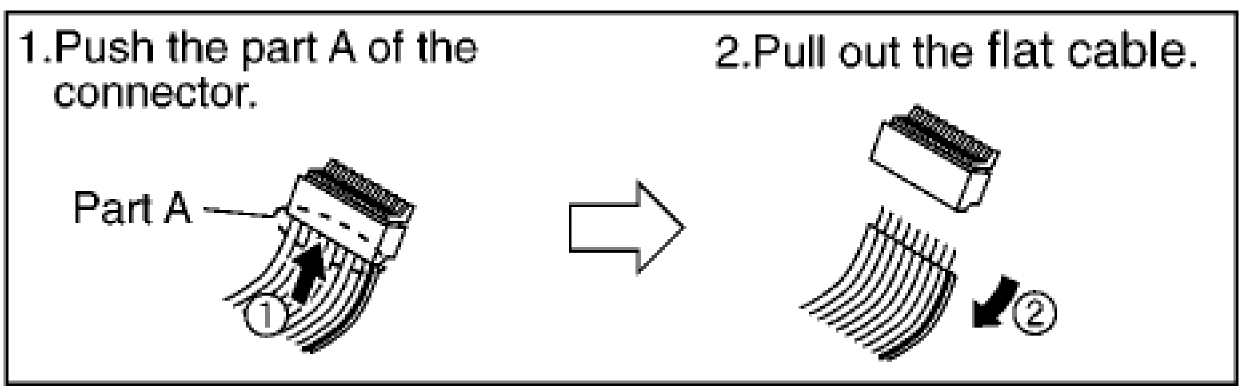
- Follow the (Step 1) - (Step14) of item6.1.
- Follow the (Step 1) - (Step 7) of item6.3.



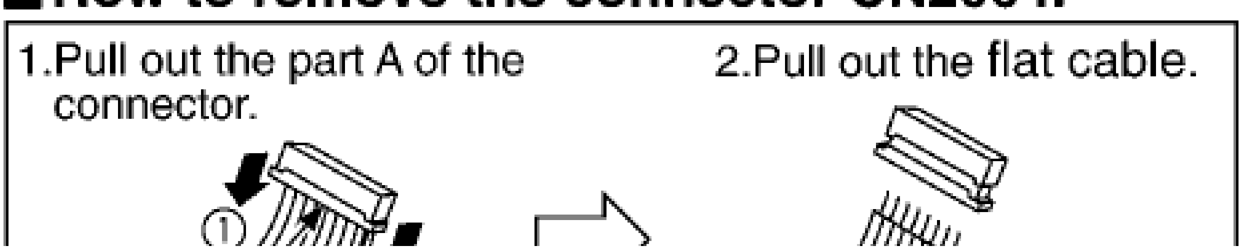


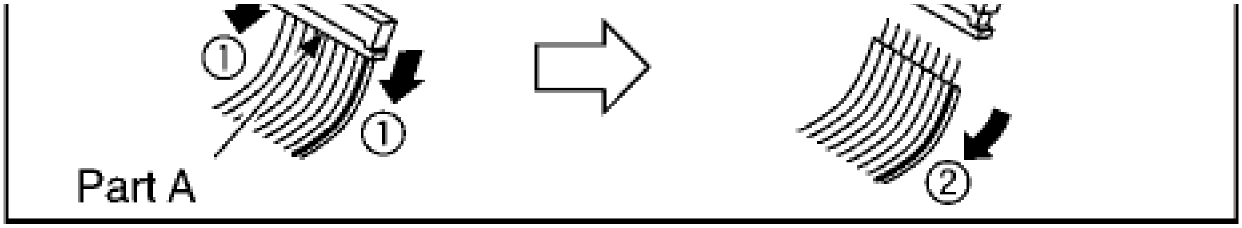


■ How to remove the connector CN701,CN1002, CN2003 and CN2005.



■ How to remove the connector CN2004.



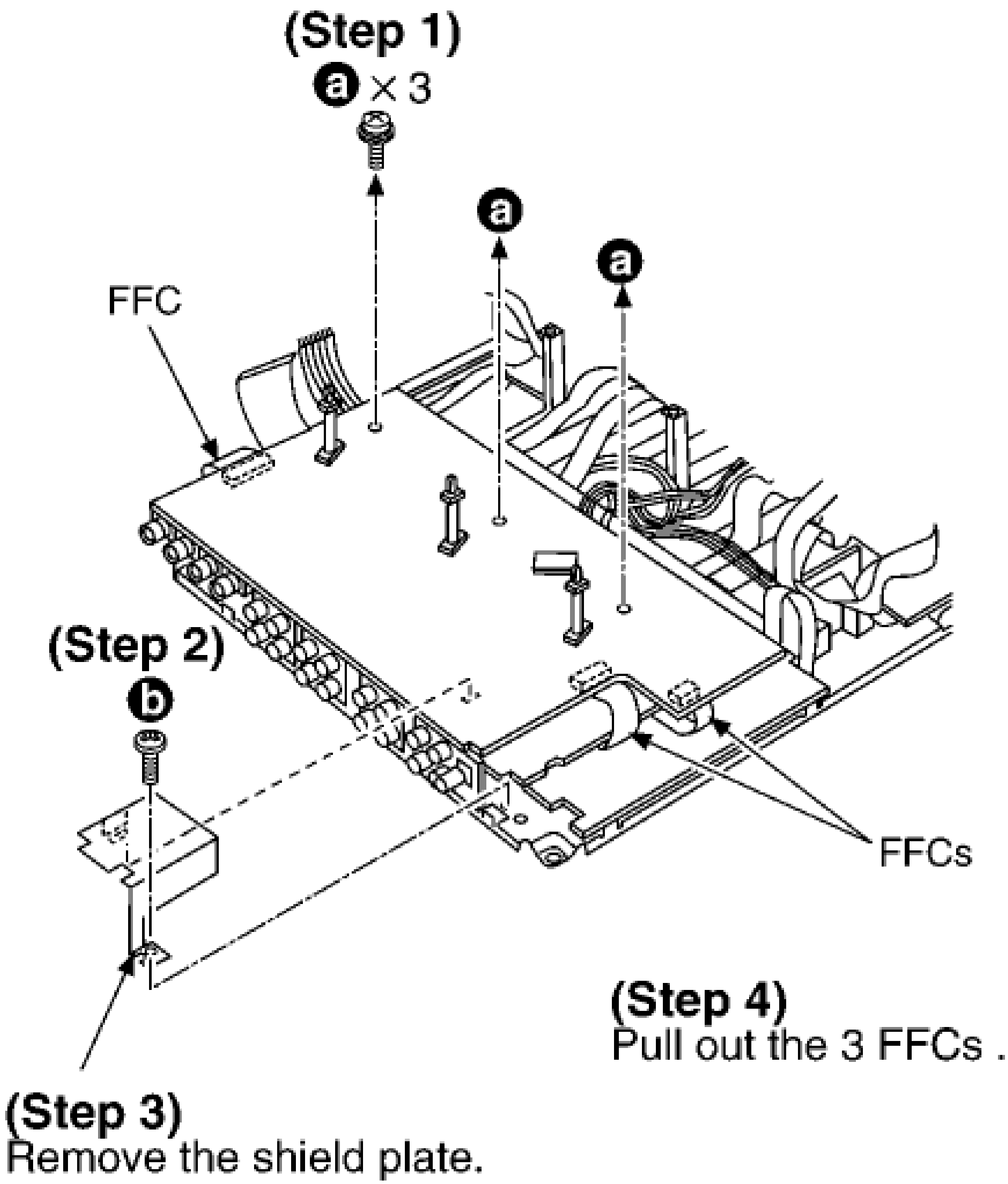


TOP PREVIOUS NEXT

6.5.2 Removal of the input P.C.B.

TOP PREVIOUS NEXT

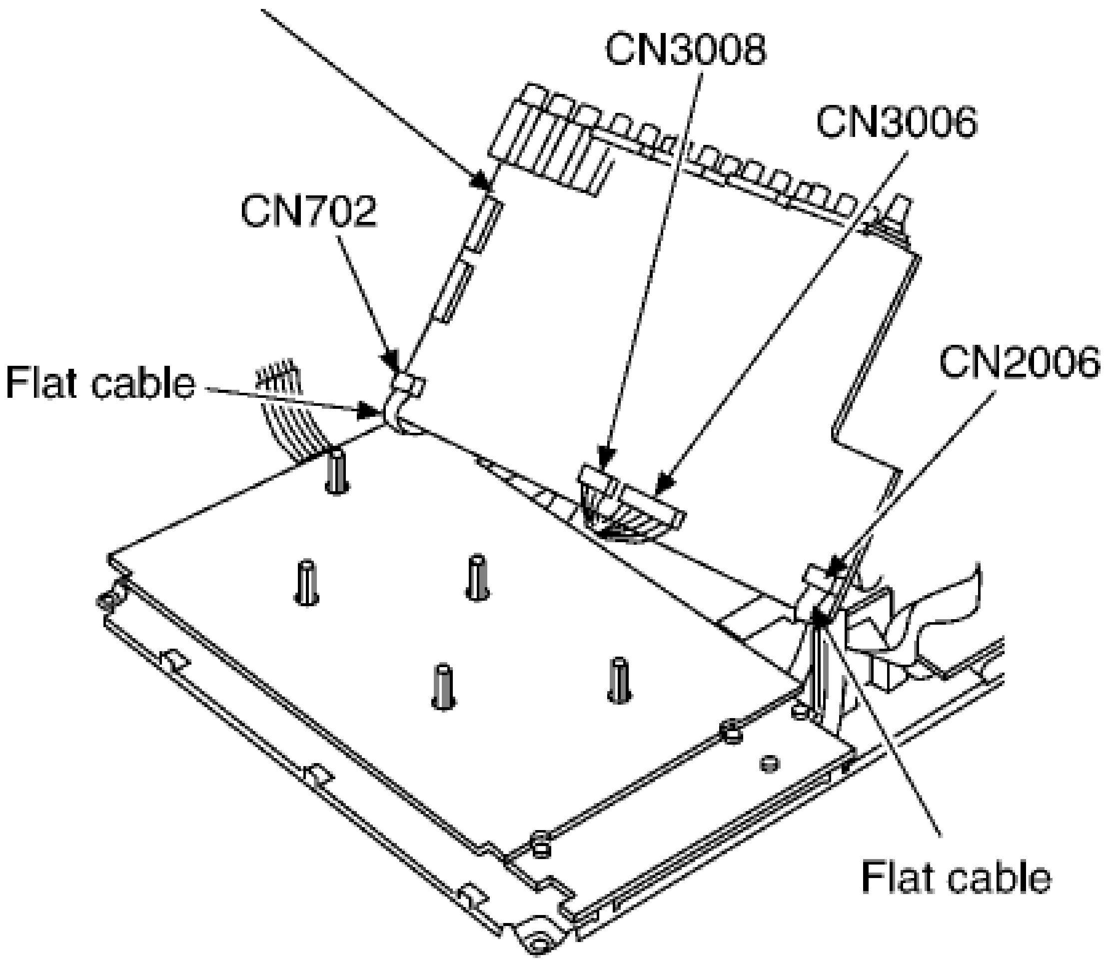
- Follow the (Step 1) - (Step14) of item6.1.
- Follow the (Step 1) - (Step 7) of item6.3.
- Follow the (Step 1) - (Step 5) of item6.5.1.



Remove the shield plate.

(Step 6)
Remove the 2 connectors (CN3006,CN3008)

(Step 5)
Raise the input P.C.B..



(Step 7)
Remove the 2 flat cables and then remove theinput P.C.B..

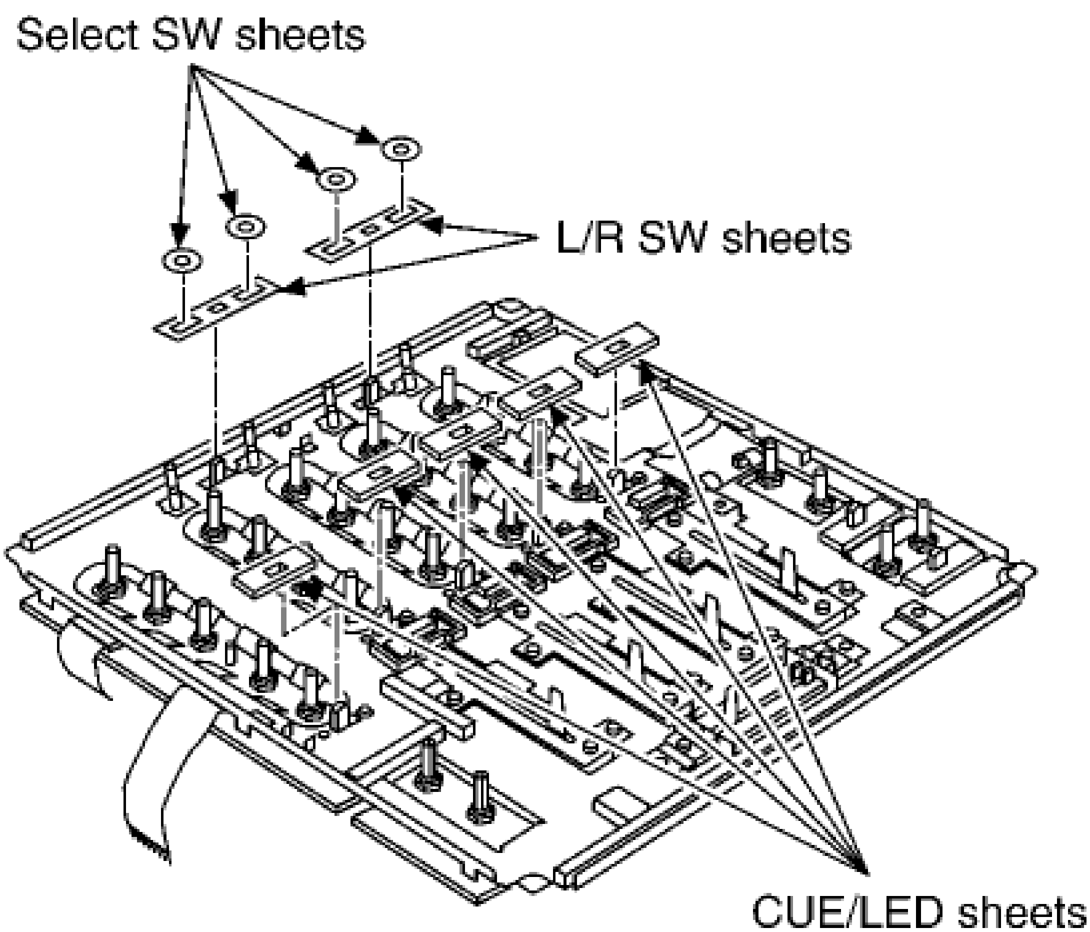
TOP PREVIOUS NEXT

6.5.3 Removal of the EQ P.C.B.

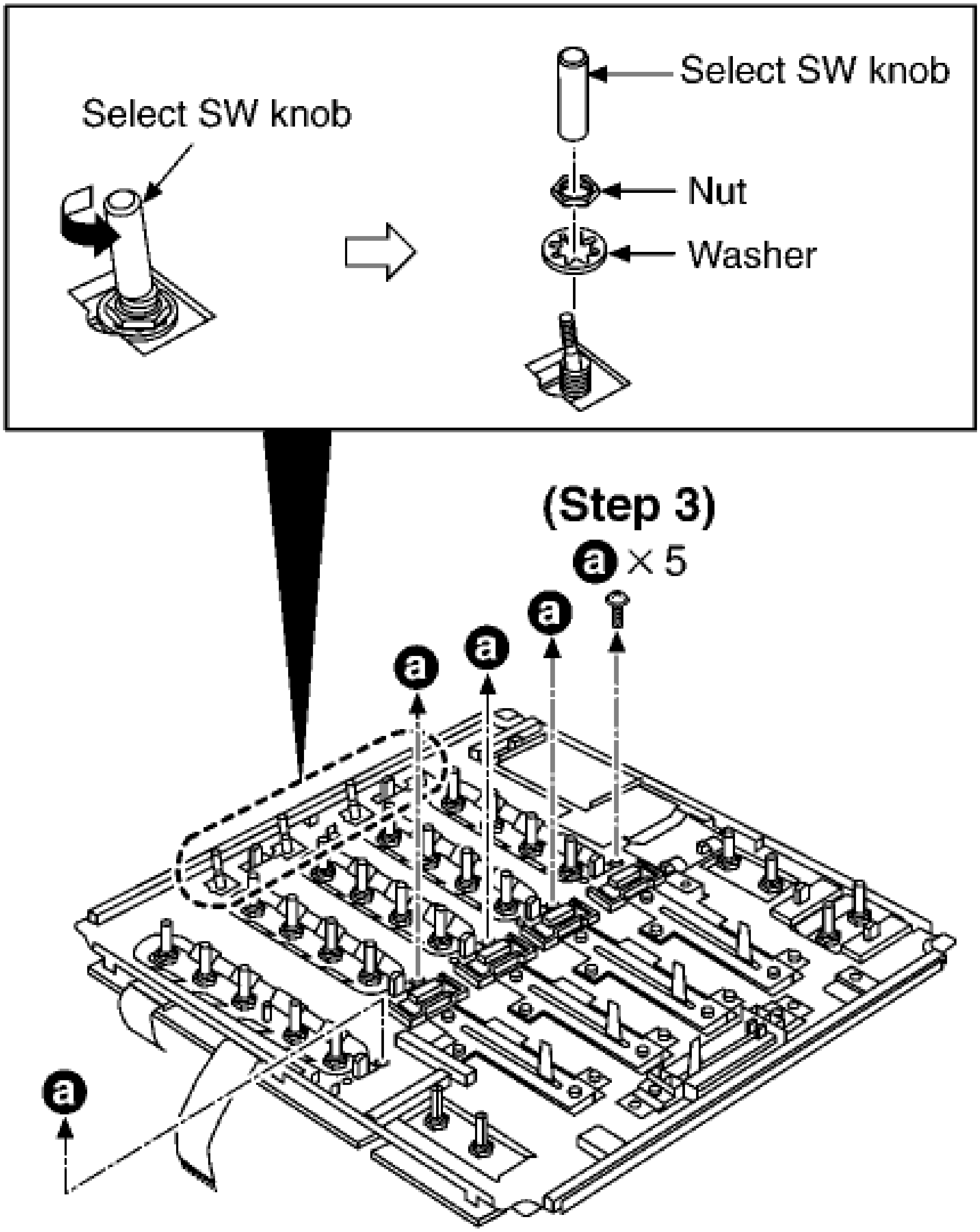
TOP PREVIOUS NEXT

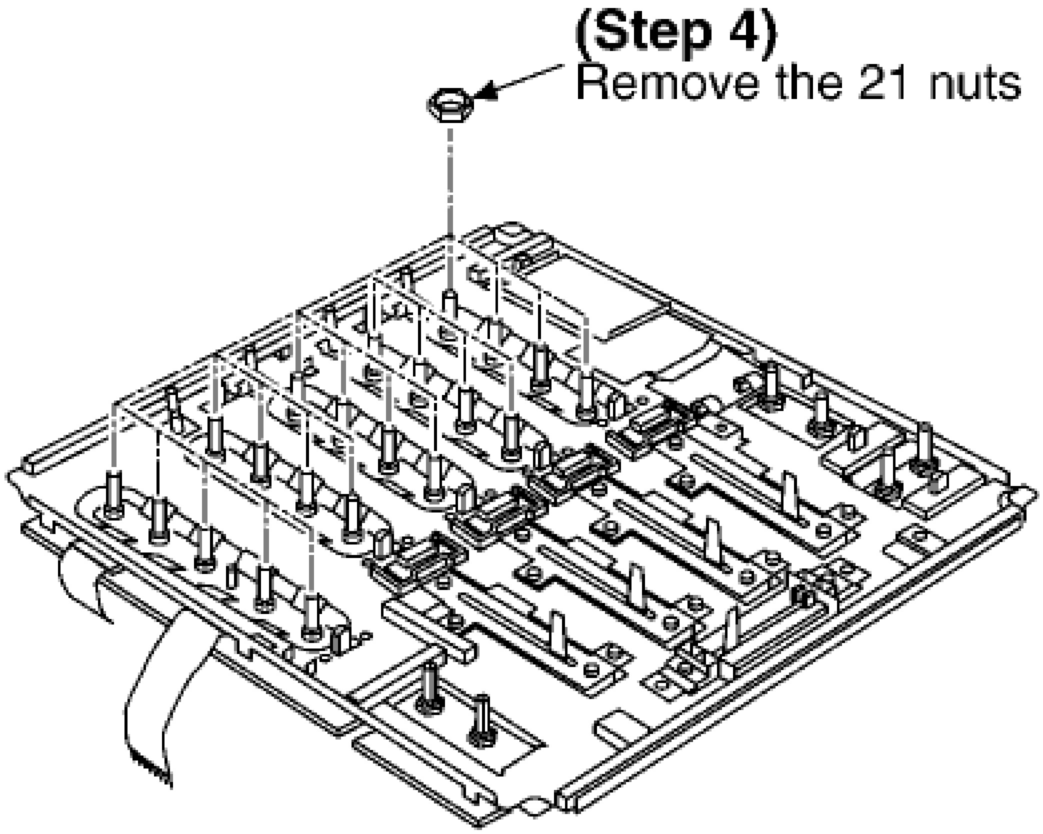
- Follow the (Step 1) - (Step14) of item6.1.
- Follow the (Step 1) - (Step 7) of item6.3.
- Follow the (Step 1) - (Step 5) of item6.5.1.
- Follow the (Step 1) - (Step 7) of item6.5.2.

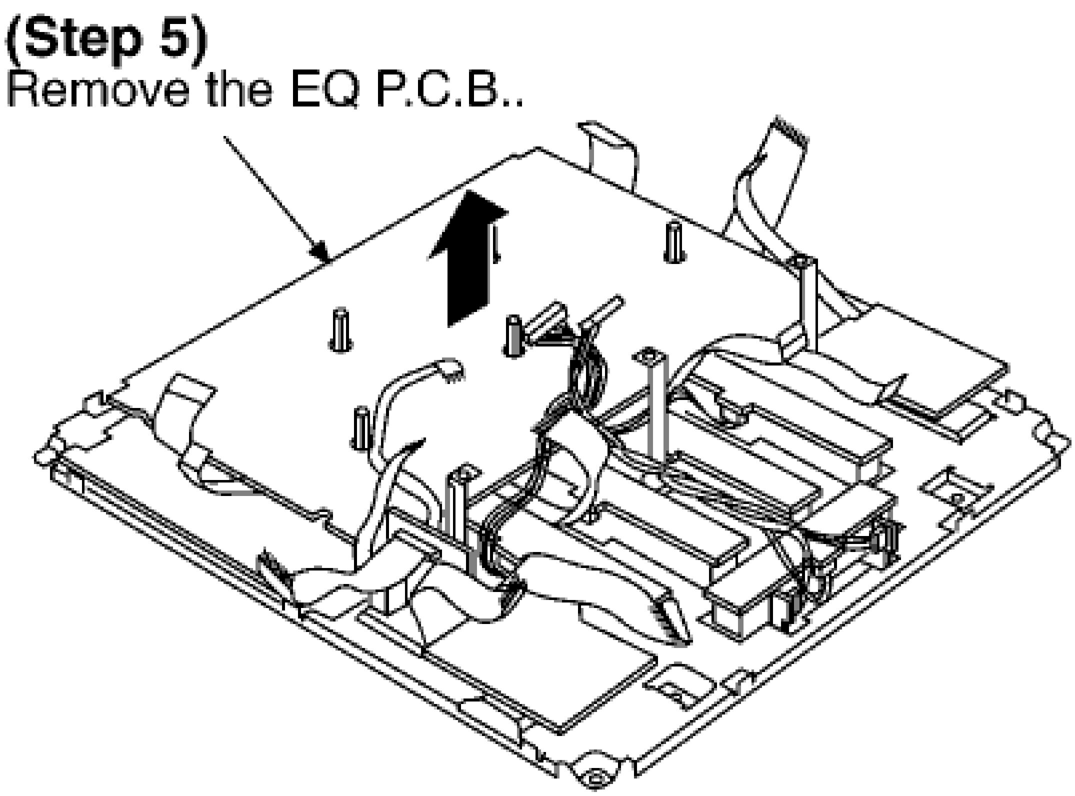
(Step 1)
Remove the 5 CUE/LED sheets,4 select SW sheets and 2 L/R sheets.



(Step 2)
Remove the select SW knob,nut and washer.(4 points)




(Step 4)
Remove the 21 nuts


(Step 5)
Remove the EQ P.C.B..

7 Schematic Diagram

TOP PREVIOUS NEXT

7.1 Schematic Diagram Notes

7.2 Schematic Diagram

TOP PREVIOUS NEXT

7.1 Schematic Diagram Notes

TOP PREVIOUS NEXT

- S601:

  Power

  OFF

  ON switch in “ON” position.

- S701:

  Cross fader Assign A switch.

- S702:

  Cross fader Assign B switch.

- S901:

  Cross fader curve switch. (CURVE)

- S902:

  Fader operation switch in “NORMAL” position. (CH1 FADER)

- S903:

  Fader operation switch in “NORMAL” position. (CH2 FADER)

- S904:

  Fader operation switch in “NORMAL” position. (CH3 FADER)

- S905:

  Fader operation switch in “NORMAL” position. (CH4 FADER)

- S906:

  Cross fader operation switch in “NORMAL” position. (CROSS FADER)

- S907:

  Fader start (ON, OFF) switch in “OFF” position. (FADER START)(CH4)

- S908:

  Fader start (ON, OFF) switch in “OFF” position. (FADER START)(CH1)

- S1001:

  L/R split (CH3/OFF/CH4) switch in “OFF” position.

- S1002:

  Input switch (CH1) in “CD/LINE DIGITAL” position.

- S1003:

  Input switch (CH2) in “LINE” position.

- S1004:

Input switch (CH4) in “CD/LINE DIGITAL” position.

- S1005:

  Input switch (CH3) in “LINE” position.

- S1006:

  L/R split (CH1/OFF/CH2) switch in “OFF” position.

- S1007:

  Monitor selector (CUE CH2) switch.

- S1008:

  Monitor selector (CUE CH3) switch.

- S1009:

  Monitor selector (CUE CH4) switch.

- S1010:

  Channel effect (CH2) switch in “OFF” position.

- S1011:

  Channel effect (CH1) switch in “OFF” position.

- S1012:

  Channel effect (CH3) switch in “OFF” position.

- S1013:

  Channel effect (CH4) switch in “OFF” position.

- S1014:

  Monitor selector (CUE EFFECT) switch.

- S1015:

  Effector output switch in “PRE” position.
  (PRE/POST)

- S1016:

  Monitor selector (CUE CH1) switch.

- S2001:

  Monitor mode switch in “STEREO” position. (MODE)

- S2004:

  Output separation ON, OFF switch in “ON” position. (SEPARATE OUT)

- VR801:

  CROSS FADER

- VR803:

  CHANNEL FADER (CH1)

- VR805:

CHANNEL FADER (CH2)

- VR807:

  CHANNEL FADER (CH3)

- VR809:

  CHANNEL FADER (CH4)

- VR1001-1, VR1001-2:

  Input level control (TRIM) (CH2)

- VR1003-1, VR1003-2:

  Input level control (TRIM) (CH3)

- VR1005-1, VR1005-2:

  Input level control (TRIM) (CH4)

- S1007:

  Microphon level volume control (MIC LEVEL)

- VR1008-1, VR1008-2:

  Input level control (TRIM) (CH1)

- VR1010-1, VR1010-2:

  Input effect control (RETURN)

- VR1012:

  Low-tone microphone control (LOW)

- VR1013:

  High-tone microphone control (HIGH)

- VR1014:

  Low-tone input control (LOW) (CH2)

- VR1016:

  Low-tone input control (LOW) (CH3)

- VR1018:

  Low-tone input control (LOW) (CH4)

- VR1020:

  Low-tone input control (LOW) (CH1)

- VR1025:

  Mid-tone input control (MID) (CH2)

- VR1026:

  Mid-tone input control (MID) (CH3)

- VR1027:

  Mid-tone input control (MID) (CH4)

- VR1029:

  High-tone input control (HIGH) (CH2)

- VR1031:

  High-tone input control (HIGH) (CH3)

- VR1033:

  High-tone input control (HIGH) (CH4)

- VR1035:

  Mid-tone input control (MID) (CH1)

- VR1036:

  High-tone input control (HIGH) (CH1)

- VR1037:

  Output effect control (SEND)

- VR2001:

  Monitor level volume control (LEVEL)

- VR2003:

  Master level volume control
  (MASTER LEVEL)

- VR2007:

  Monitor mixing control (MIXING)

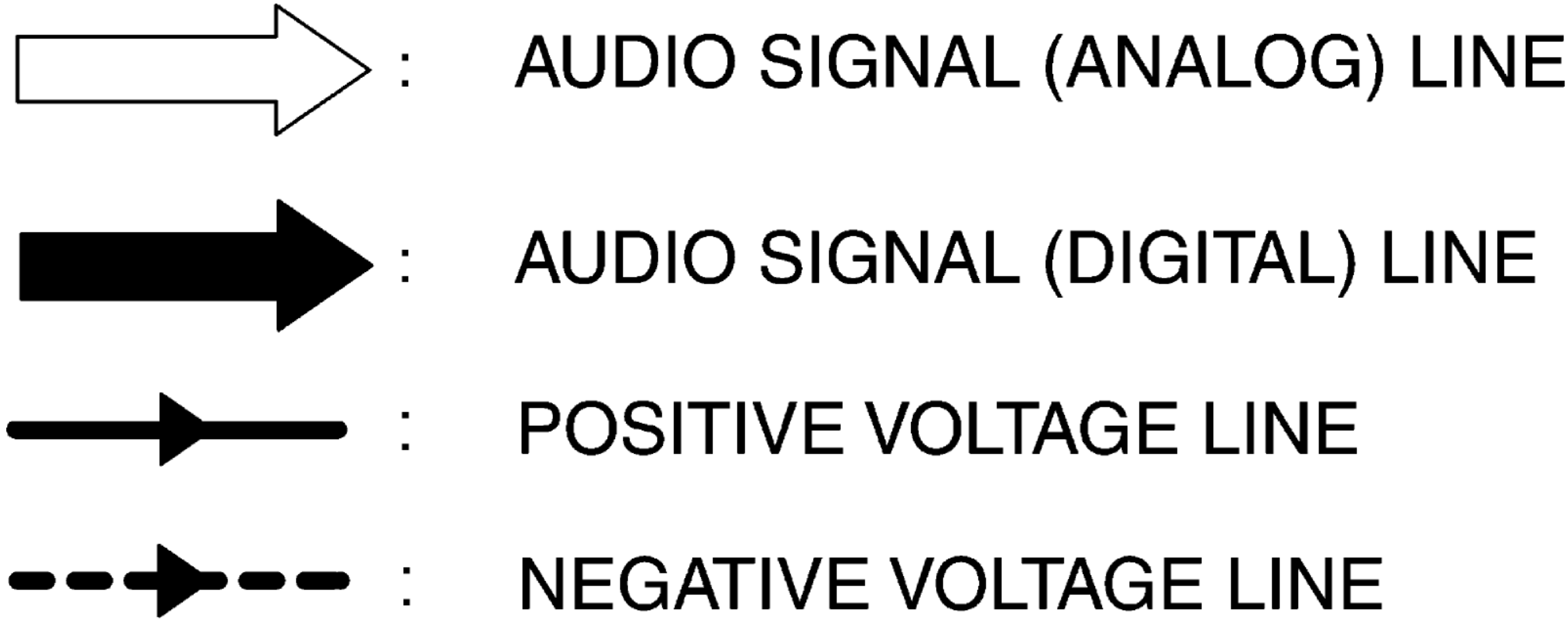
- VR2009:

  Master balance control
  (MASTER BALANCE)

- Indicated voltage values are the standard values for the unit measured by the DC electronic circuit tester (high-impedance) with the chassis taken as standard. Therefore, there may exist some errors in the voltage values, depending on theinternalimpedanceofthe DC circuit tester.

- No mark: All VR is set as a center position.

- Signal Line



Important safety notice:

Components identified by ⚠ mark have special characteristics important for safety.

Furthermore, special parts which have purpose of fire-retardant (resistors), high-quality sound (capacitors), low-noise (resistors), etc. are used. When replacing any of components, be sure to use only manufacture´s specified parts showninthepartslist.

Caution!

- IC and LSI are sensitive to static electricity.
- Secondary trouble can be prevented by taking care during repair.
- Cover the parts boxes made of plastics with aluminum foil.
- Ground the soldering iron.
- Put a conductive mat on the work table.
- Do not touch the legs of IC or LSI with the fingers directly.

CAUTION: FOR CONTINUED PROTECTION AGAINST FIRE HAZARD, REPLACE ONLY WITH SAME TYPE 500mA/1.6A 125V FUSES.

RISK OF FIRE-REPLACE FUSE AS MARKED.

FUSE CAUTION

This symbol located near the fuse indicates that the fuse used is fast operating type. For continued protection against fire hazard, replace with same type fuse. For fuse rating, refer to the rating adjacent to the symbol.

Ce symbole indique que le fusible utilisé est à rapide. Pour une protection permanente, n'utiliser que des fusibles de meme type. Ce dernier est indiqué là qù le présent symbole est apposé

TOP PREVIOUS NEXT

7.2 Schematic Diagram

TOP PREVIOUS NEXT

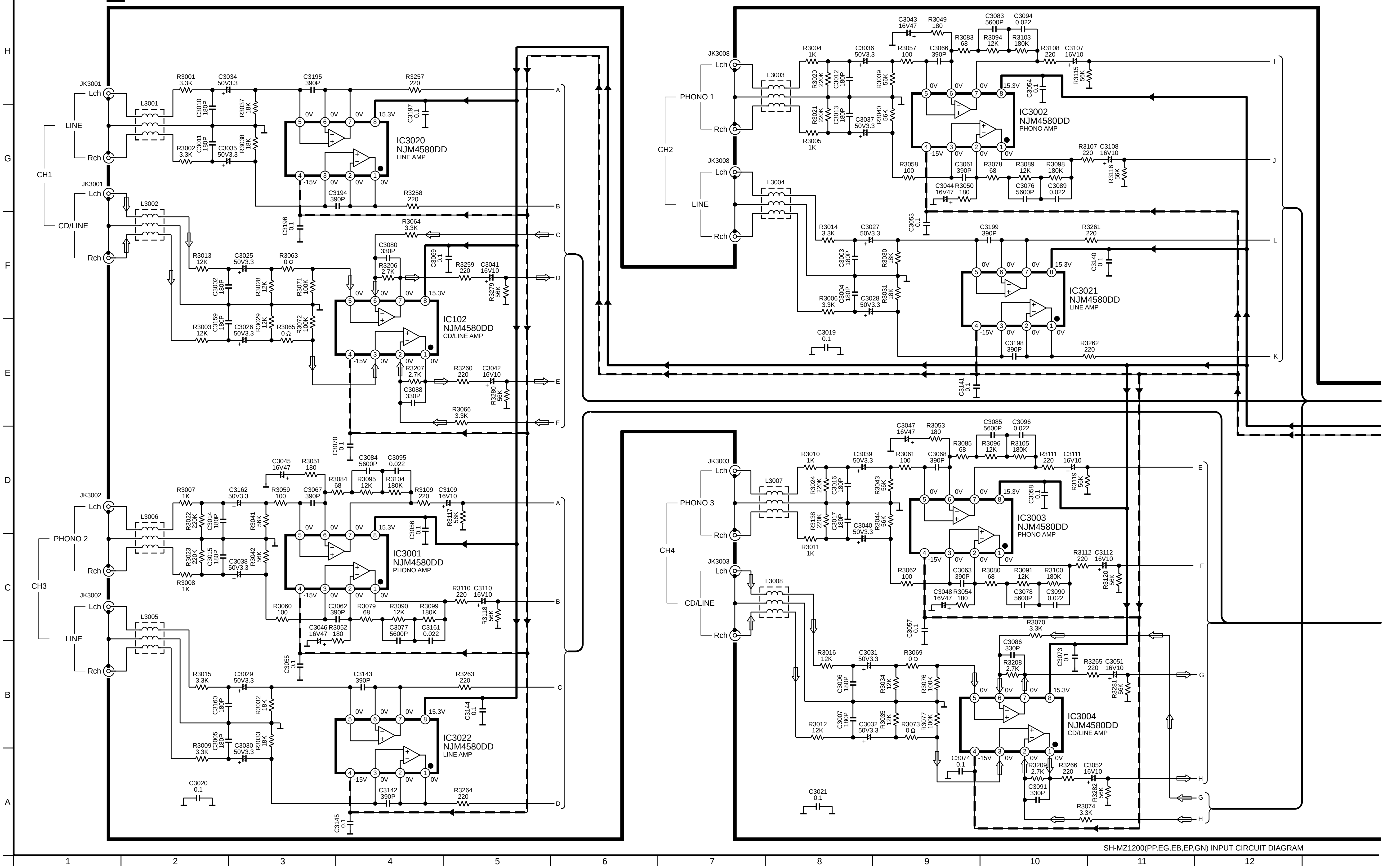
TOP PREVIOUS NEXT

SCHEMATIC DIAGRAM-1

A INPUT CIRCUIT

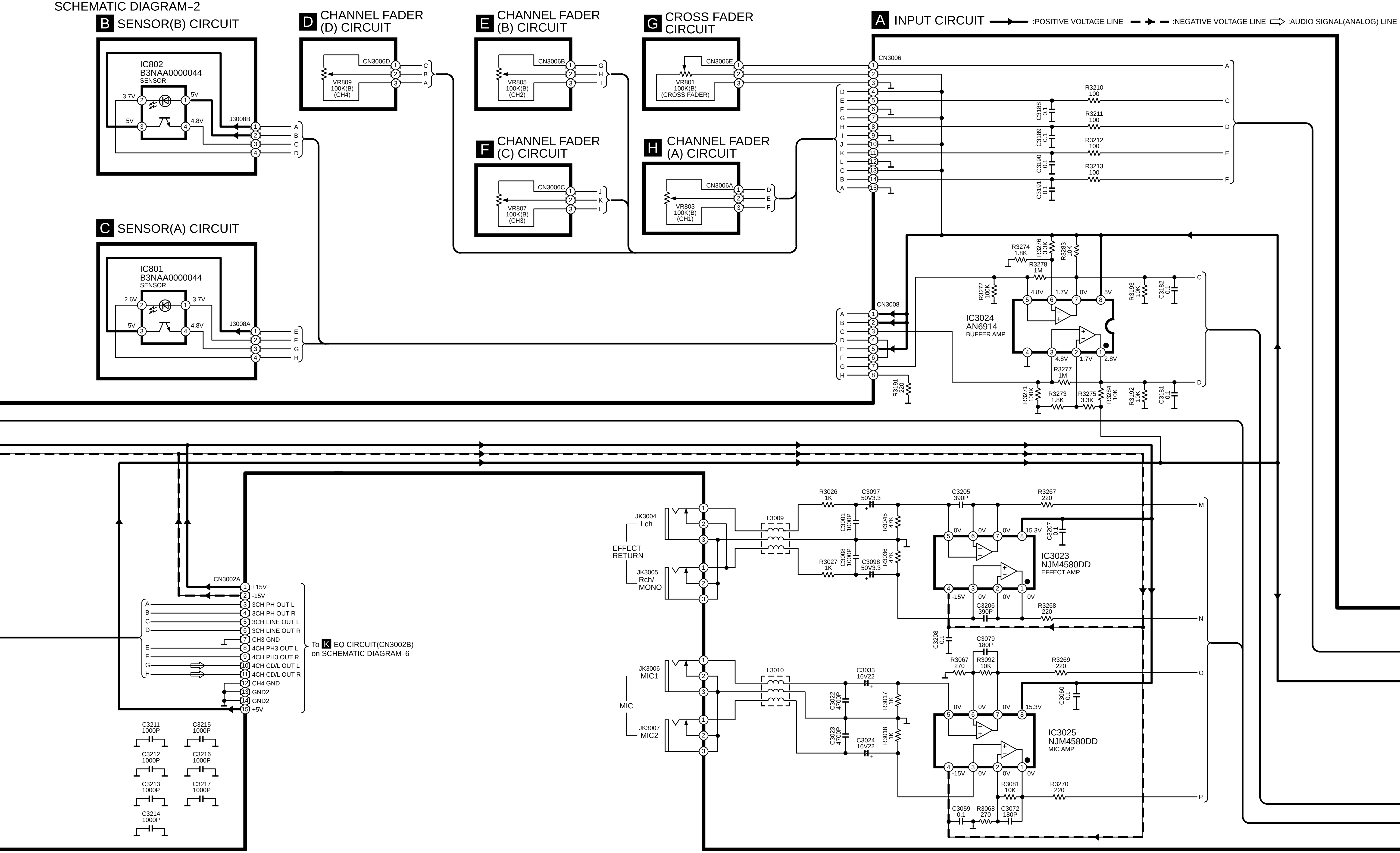
:POSITIVE VOLTAGE LINE :NEGATIVE VOLTAGE LINE :AUDIO SIGNAL(ANALOG) LINE

NOTE: The number which noted at the connectors on the schematic diagram as "SCHEMATIC DIAGRAM-1" or "SCHEMATIC DIAGRAM-2" indicates the schematic diagram serial number located on the left corner in the schematic diagram.



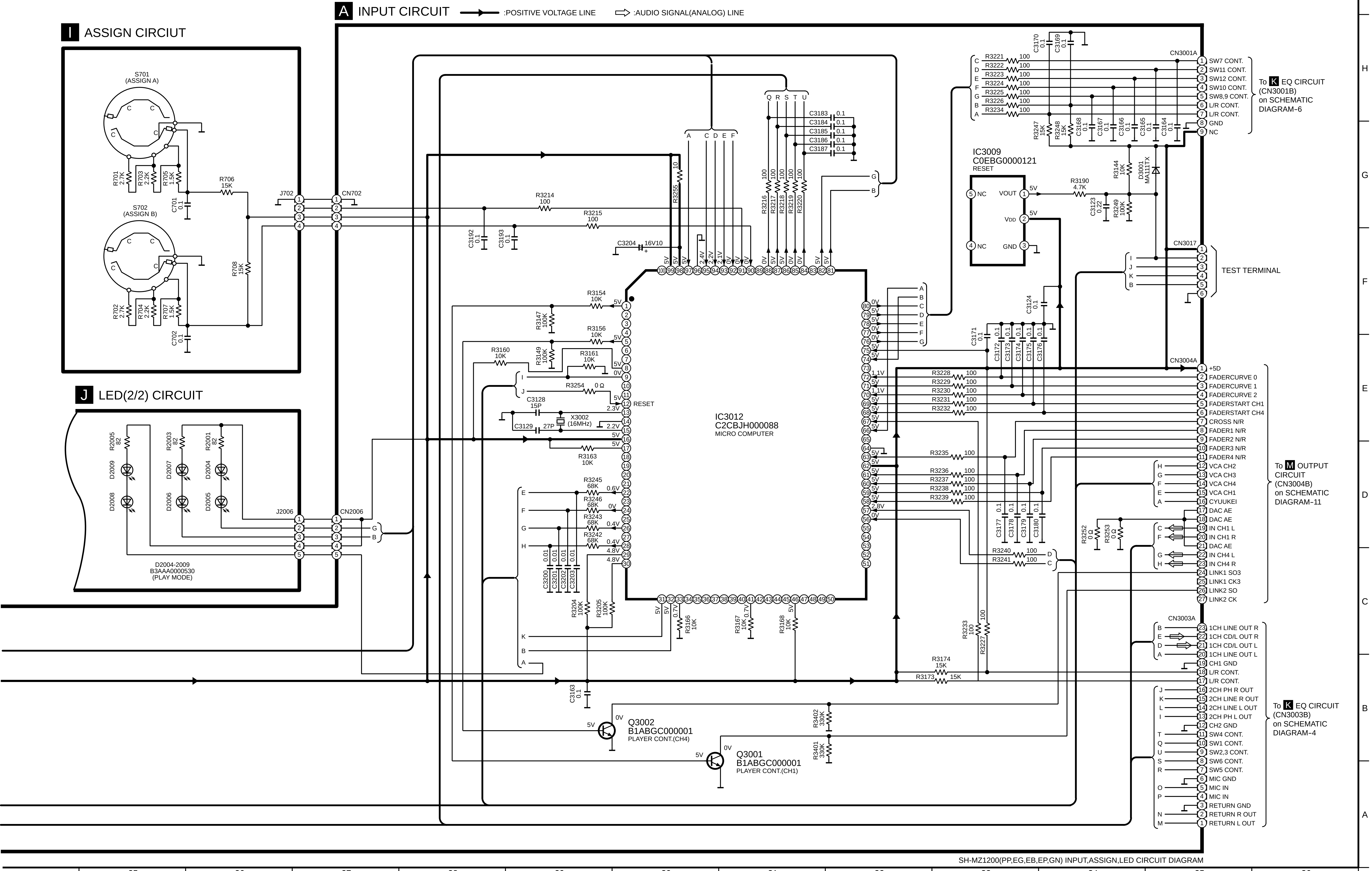
SH-MZ1200(PP,EG,EB,EP,GN) INPUT CIRCUIT DIAGRAM

SCHEMATIC DIAGRAM-2

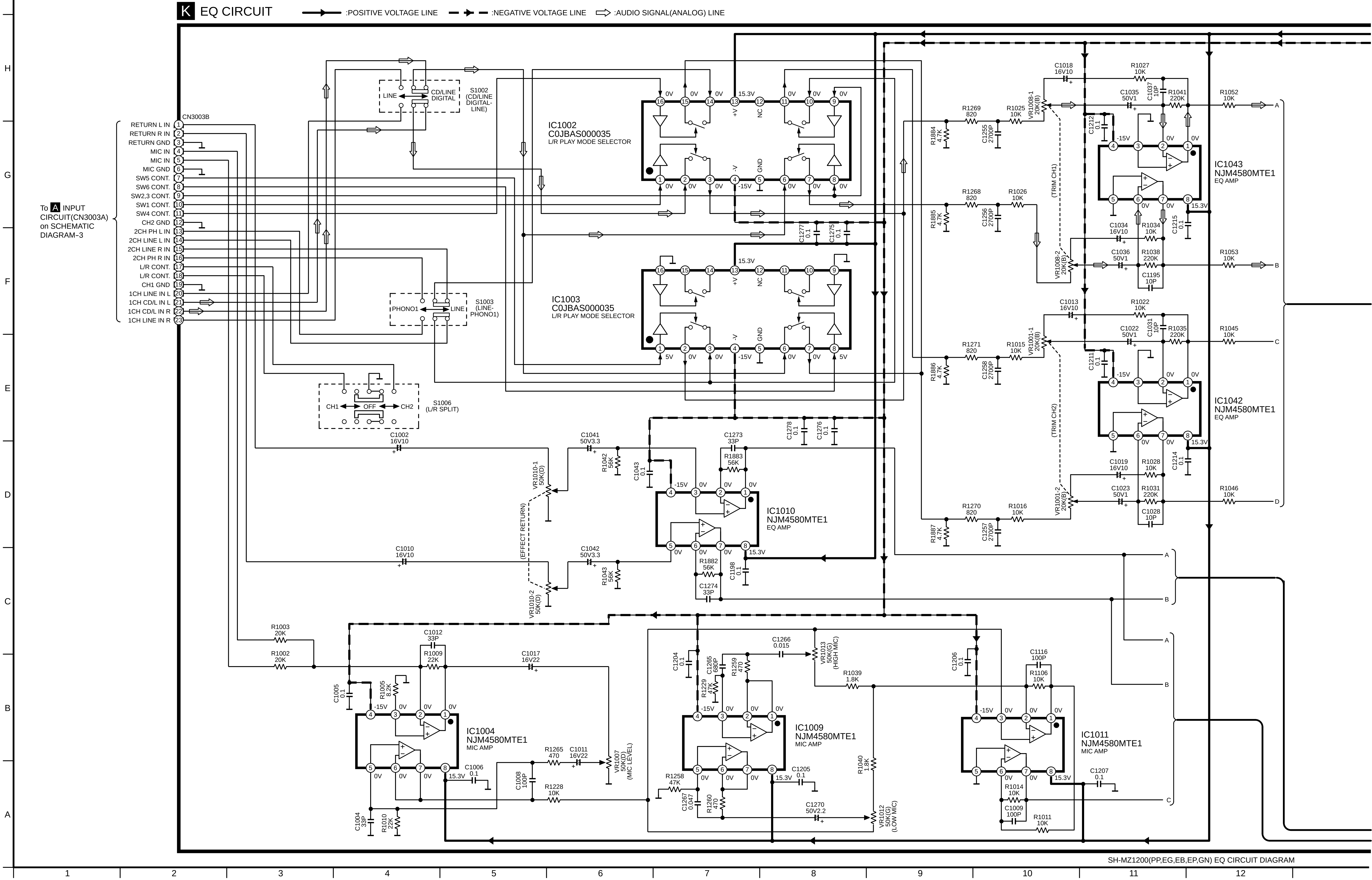


SH-MZ1200(PP,EG,EB,EP,GN) INPUT,SENSOR(A)/(B),CHANNEL FADER(A)/(B)/(C)/(D),CROSS FADER CIRCUIT DIAGRAM

13 14 15 16 17 18 19 20 21 22 23 24



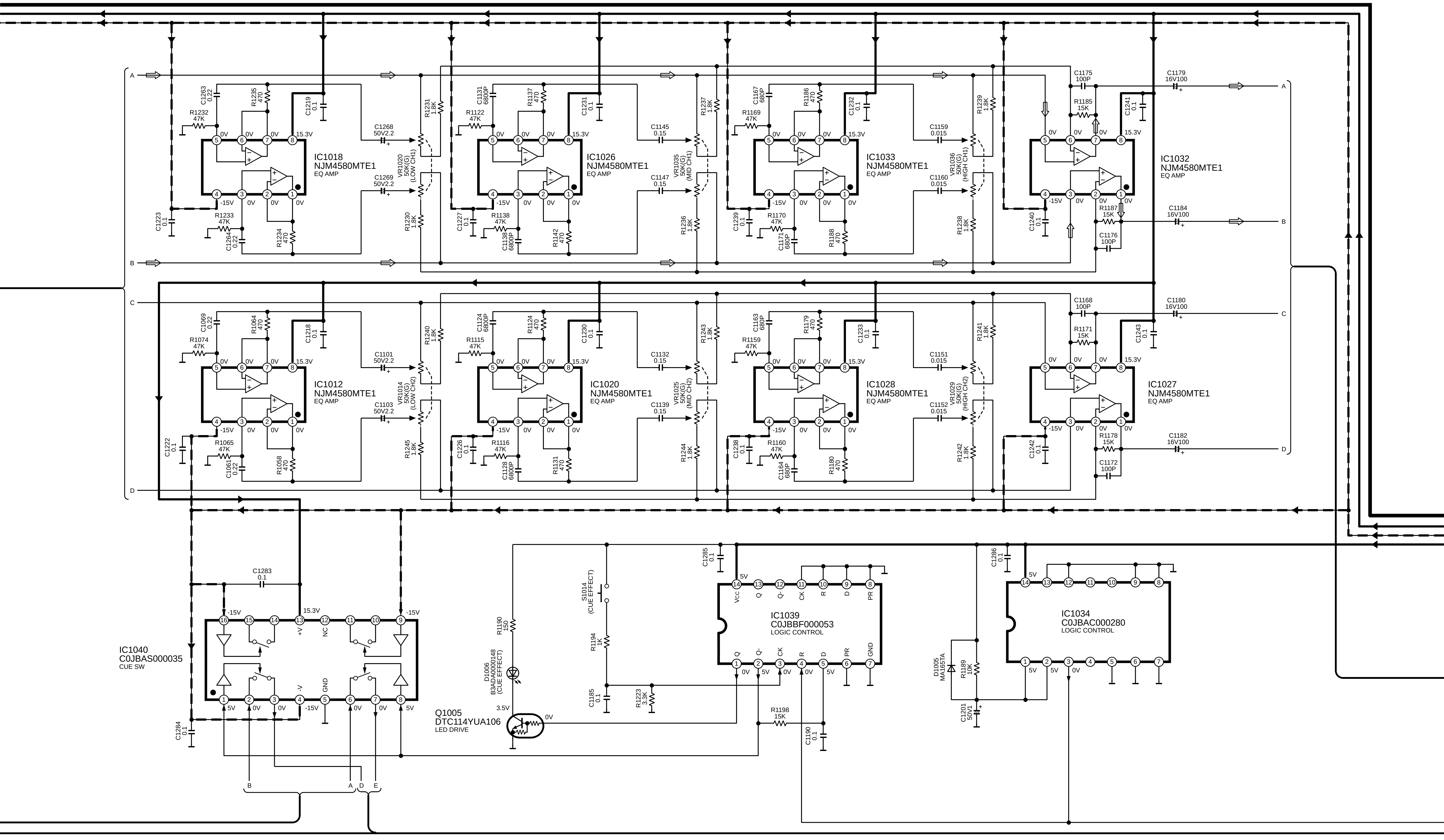
SH-MZ1200(PP,EG,EB,EP,GN) INPUT,ASSIGN,LED CIRCUIT DIAGRAM


K EQ CIRCUIT
:POSITIVE VOLTAGE LINE
:NEGATIVE VOLTAGE LINE
:AUDIO SIGNAL(ANALOG) LINE
To A INPUT CIRCUIT(CN3003A) on SCHEMATIC DIAGRAM-3
CN3003B
RETURN L IN
RETURN R IN
RETURN GND
MIC IN
MIC IN
MIC GND
SW5 CONT.
SW6 CONT.
SW2,3 CONT.
SW1 CONT.
SW4 CONT.
CH2 GND
2CH PH L IN
2CH LINE L IN
2CH LINE R IN
2CH PH R IN
L/R CONT.
L/R CONT.
CH1 GND
1CH LINE IN L
1CH CD/L IN L
1CH CD/L IN R
1CH LINE IN R
S1002 (CD/LINE DIGITAL-LINE)
LINE
CD/LINE DIGITAL
S1003 (LINE-PHONO1)
PHONO1
LINE
S1006 (L/R SPLIT)
CH1
OFF
CH2
IC1002
C0JBAS000035
L/R PLAY MODE SELECTOR
IC1003
C0JBAS000035
L/R PLAY MODE SELECTOR
IC1010
NJM4580MTE1
EQ AMP
IC1043
NJM4580MTE1
EQ AMP
IC1042
NJM4580MTE1
EQ AMP
IC1004
NJM4580MTE1
MIC AMP
IC1009
NJM4580MTE1
MIC AMP
IC1011
NJM4580MTE1
MIC AMP
VR1010-1 50K(D)
VR1010-2 50K(D)
(EFFECT RETURN)
VR1008-1 20K(B)
VR1008-2 20K(B)
(TRIM CH1)
VR1001-1 20K(B)
VR1001-2 20K(B)
(TRIM CH2)
VR1007 50K(D) (MIC LEVEL)
VR1013 50K(G) (HIGH MIC)
VR1012 50K(G) (LOW MIC)
15.3V
-15V
0V
5V

SCHEMATIC DIAGRAM–5

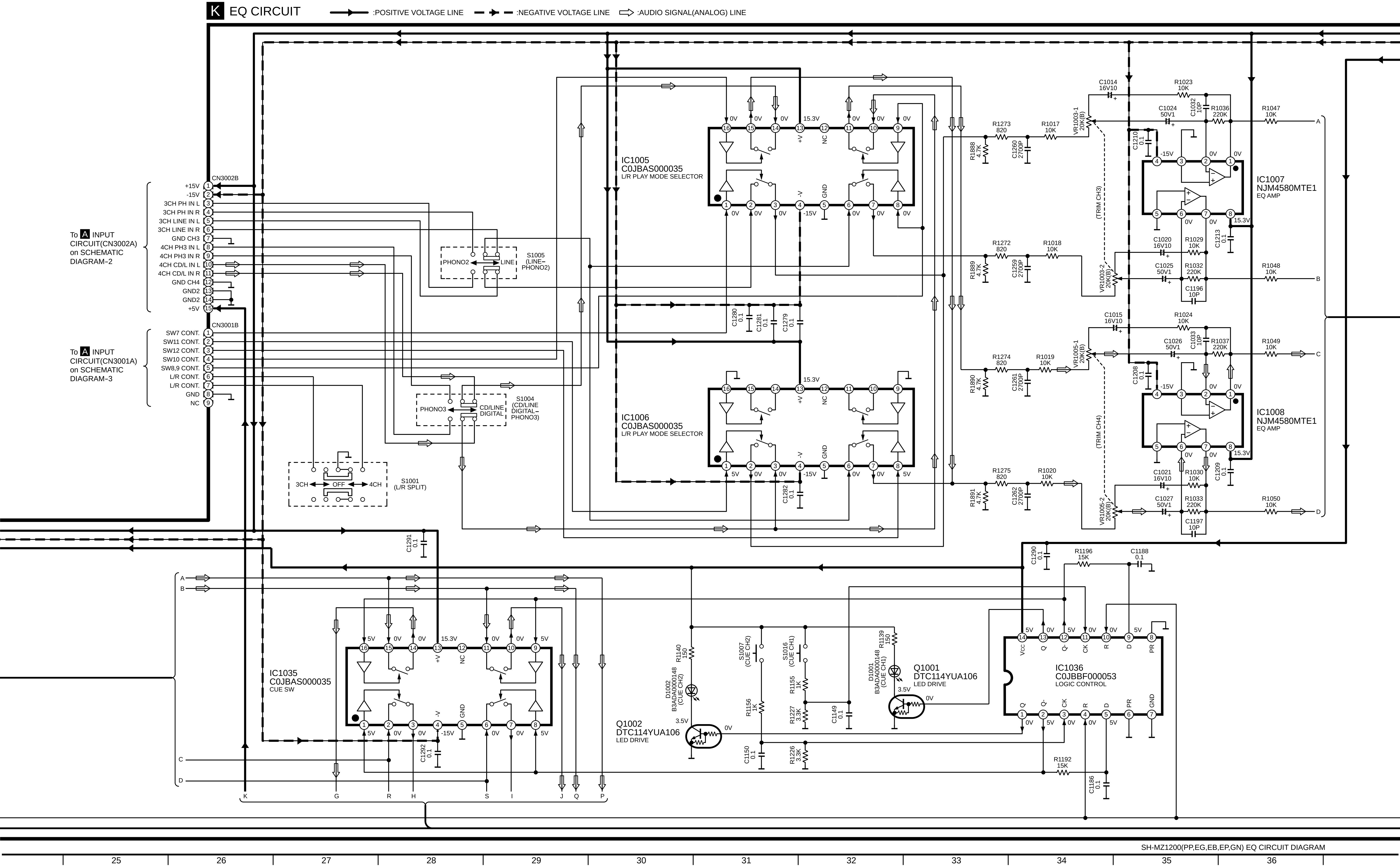
K EQ CIRCUIT

:POSITIVE VOLTAGE LINE :NEGATIVE VOLTAGE LINE :AUDIO SIGNAL(ANALOG) LINE



SCHEMATIC DIAGRAM-6

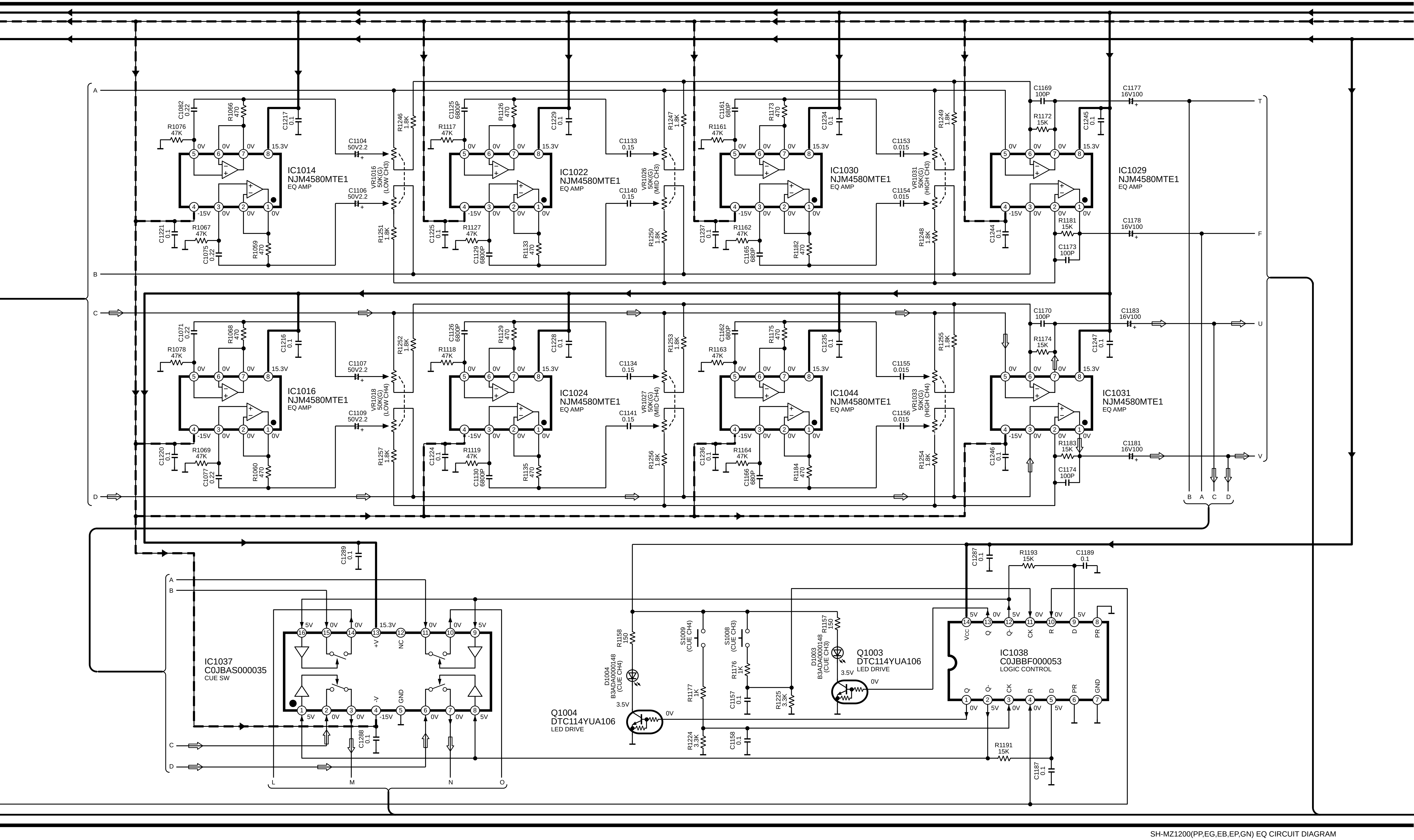
K EQ CIRCUIT



SCHEMATIC DIAGRAM-7

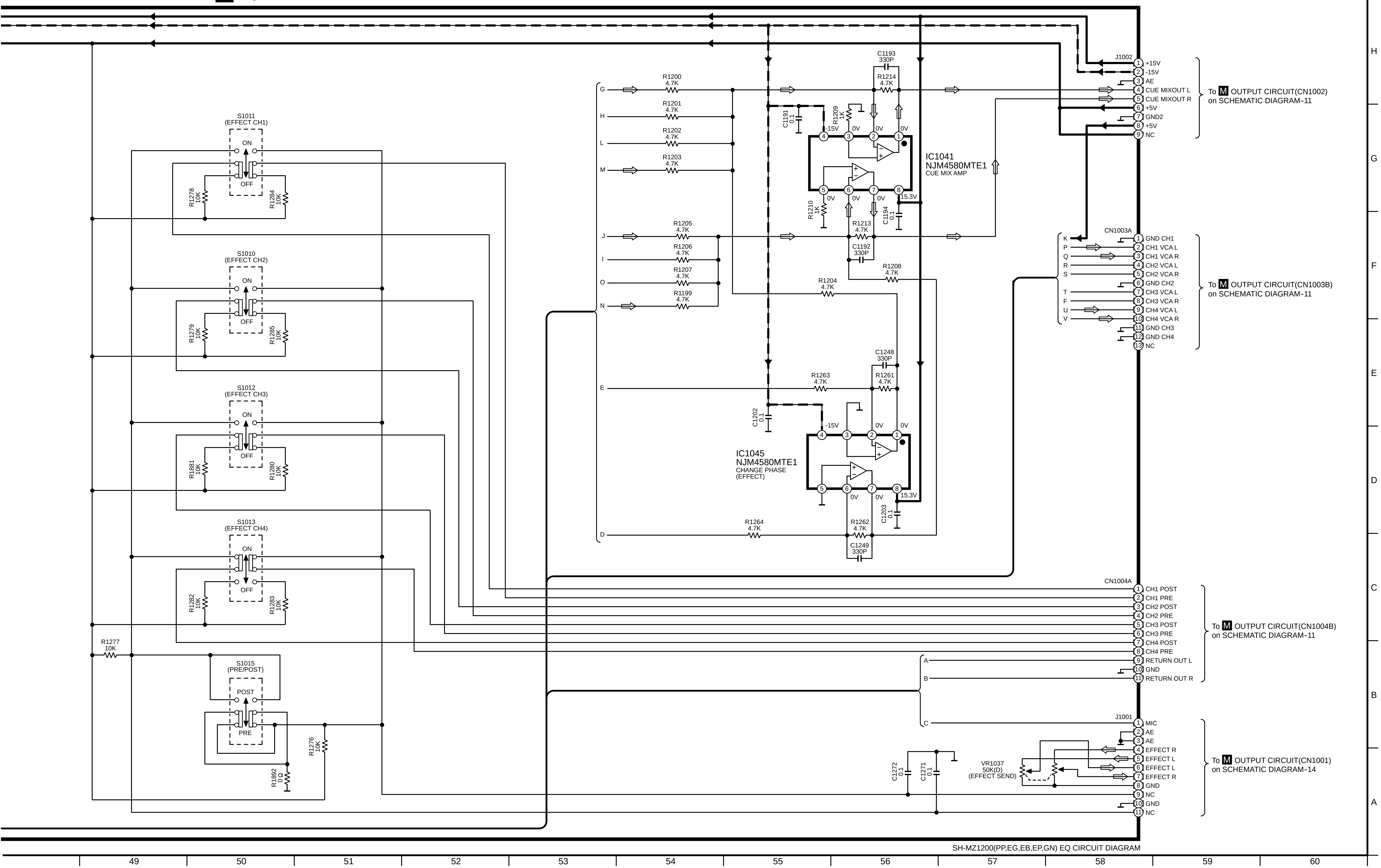
K EQ CIRCUIT

:POSITIVE VOLTAGE LINE :NEGATIVE VOLTAGE LINE :AUDIO SIGNAL(ANALOG) LINE



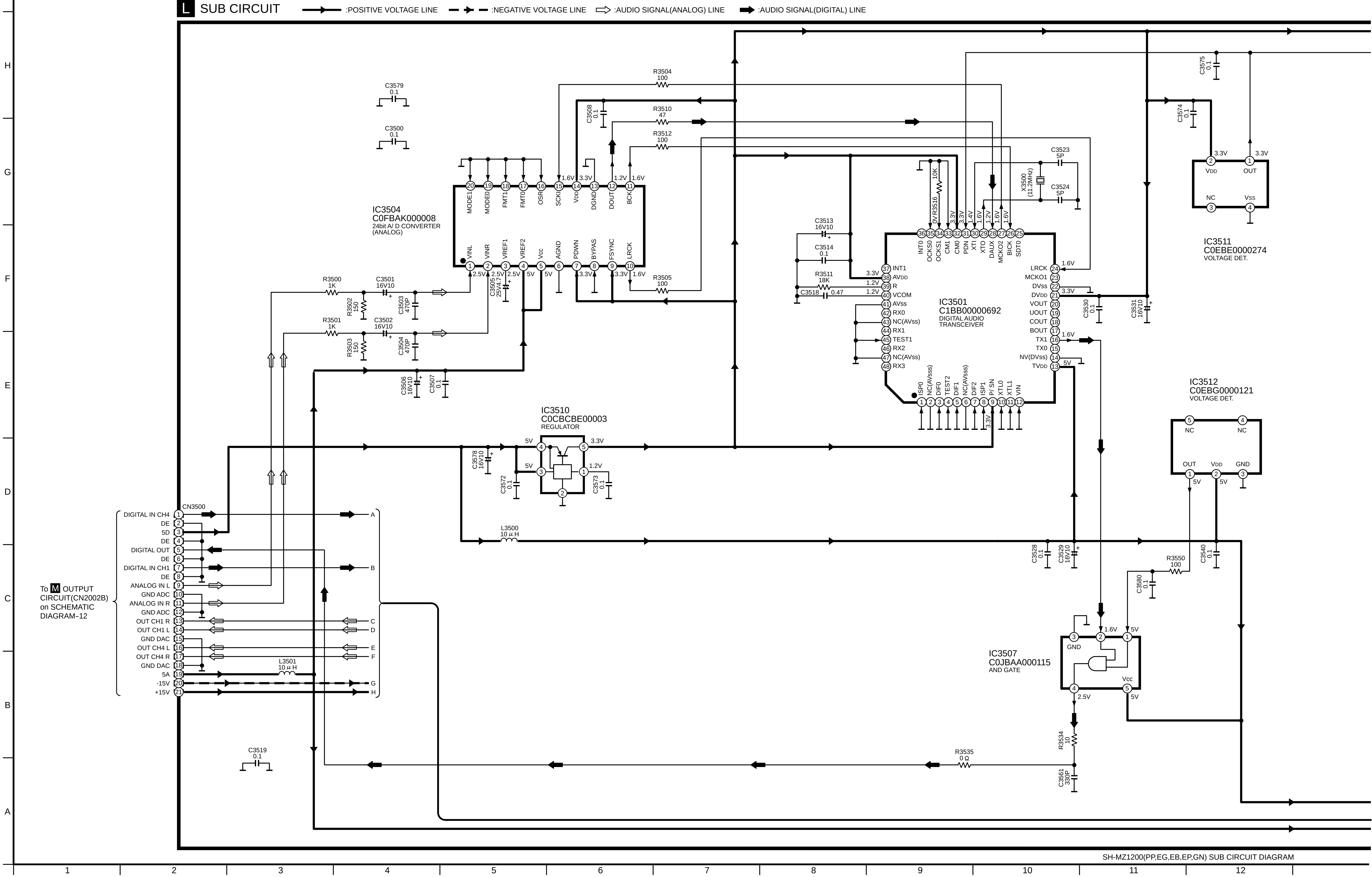
K EQ CIRCUIT

:POSITIVE VOLTAGE LINE :NEGATIVE VOLTAGE LINE :AUDIO SIGNAL(ANALOG) LINE



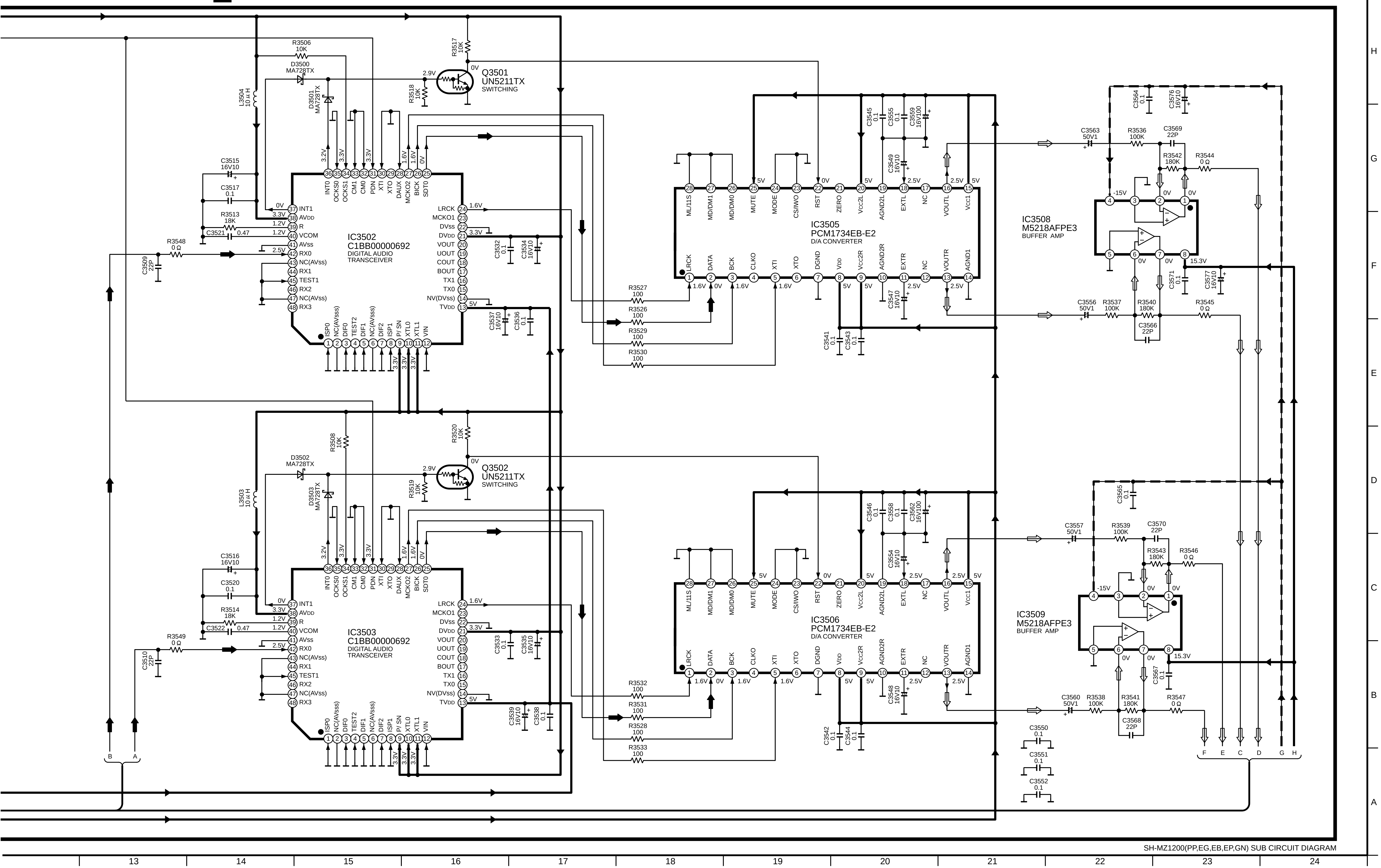
SCHEMATIC DIAGRAM-9

L SUB CIRCUIT



L SUB CIRCUIT

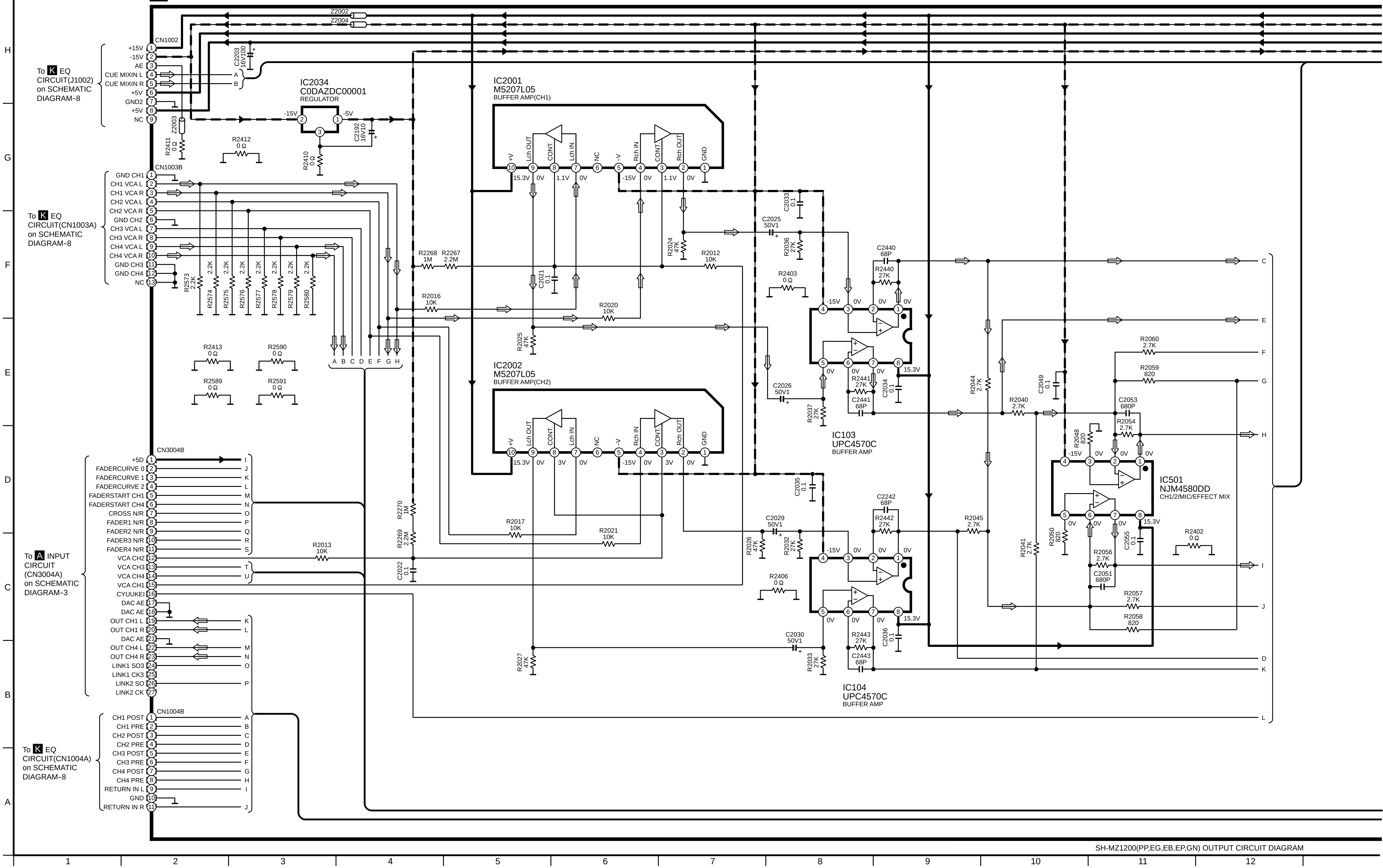
:POSITIVE VOLTAGE LINE :NEGATIVE VOLTAGE LINE :AUDIO SIGNAL(ANALOG) LINE :AUDIO SIGNAL(DIGITAL) LINE



SCHEMATIC DIAGRAM-11

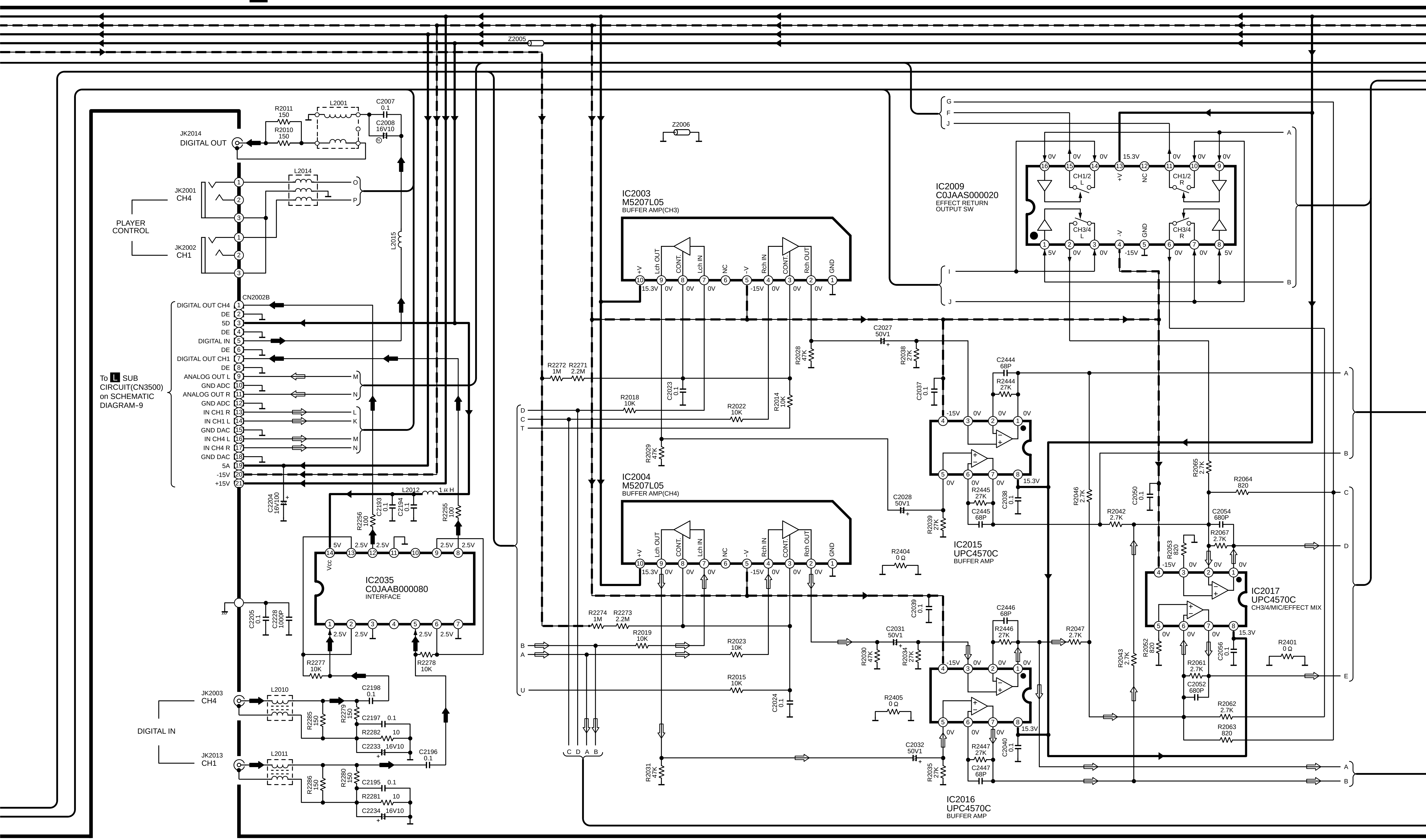
M OUTPUT CIRCUIT

:POSITIVE VOLTAGE LINE :NEGATIVE VOLTAGE LINE :AUDIO SIGNAL(ANALOG) LINE



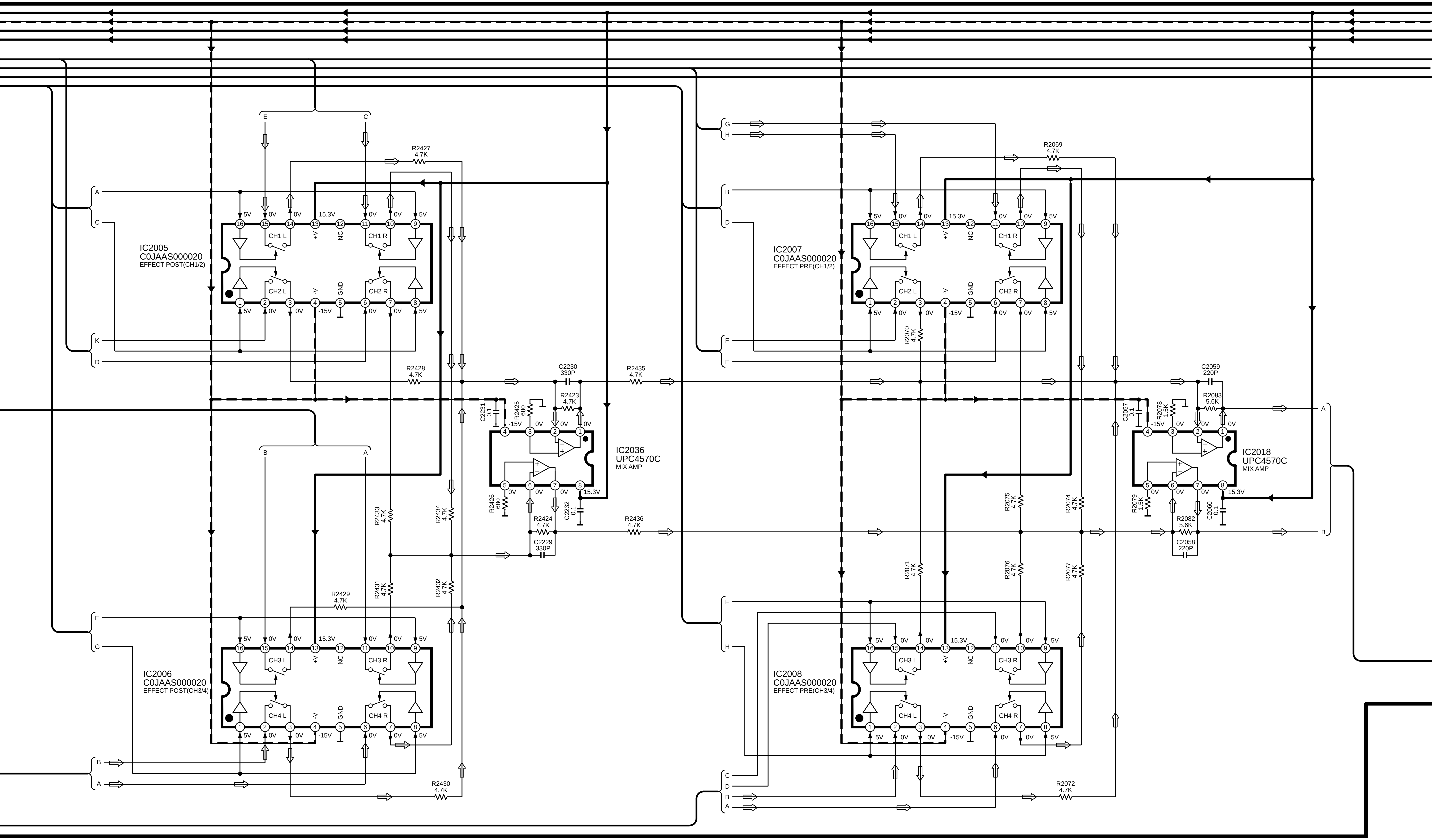
M OUTPUT CIRCUIT

:POSITIVE VOLTAGE LINE :NEGATIVE VOLTAGE LINE :AUDIO SIGNAL(ANALOG) LINE :AUDIO SIGNAL(DIGITAL) LINE



M OUTPUT CIRCUIT

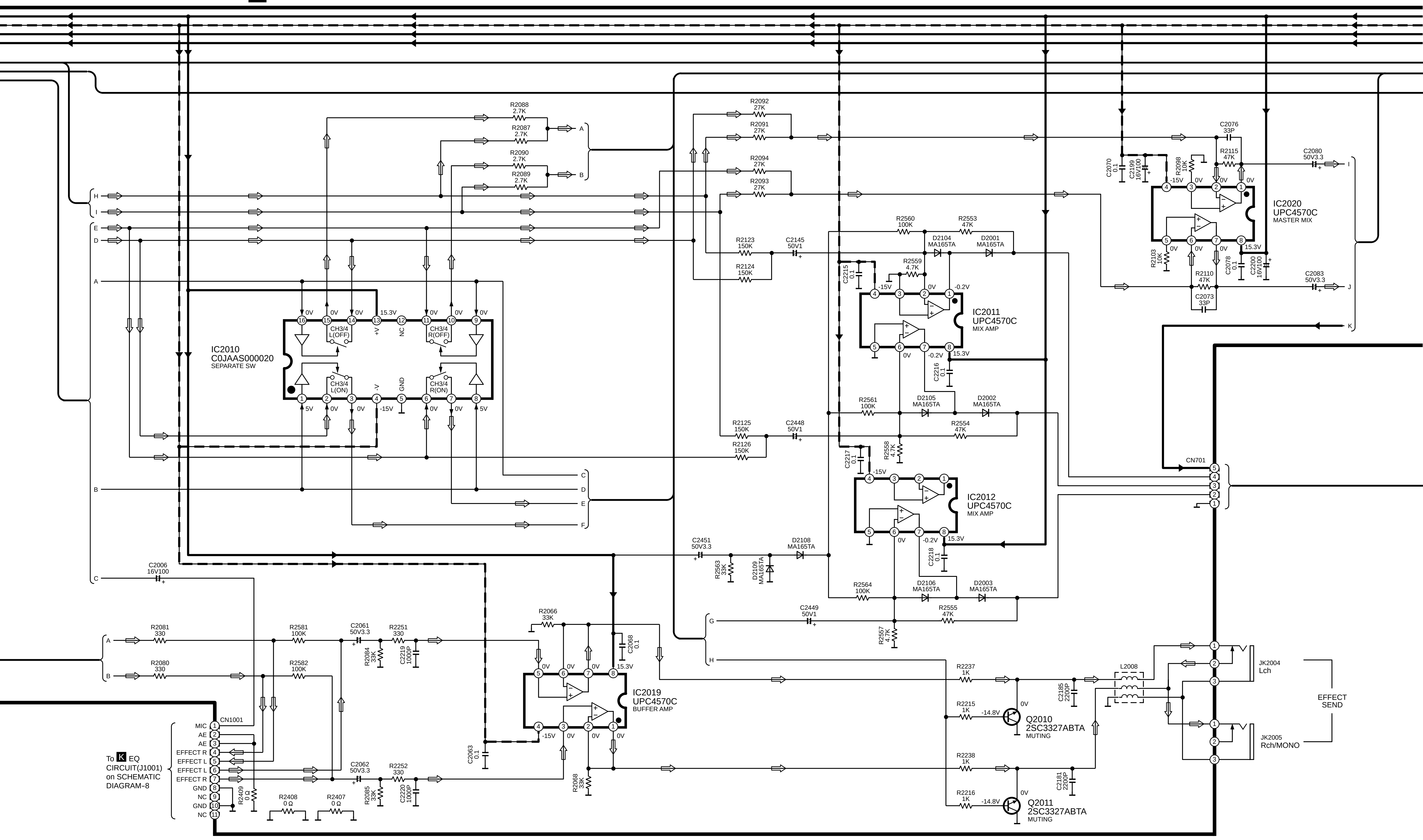
:POSITIVE VOLTAGE LINE :NEGATIVE VOLTAGE LINE :AUDIO SIGNAL(ANALOG) LINE



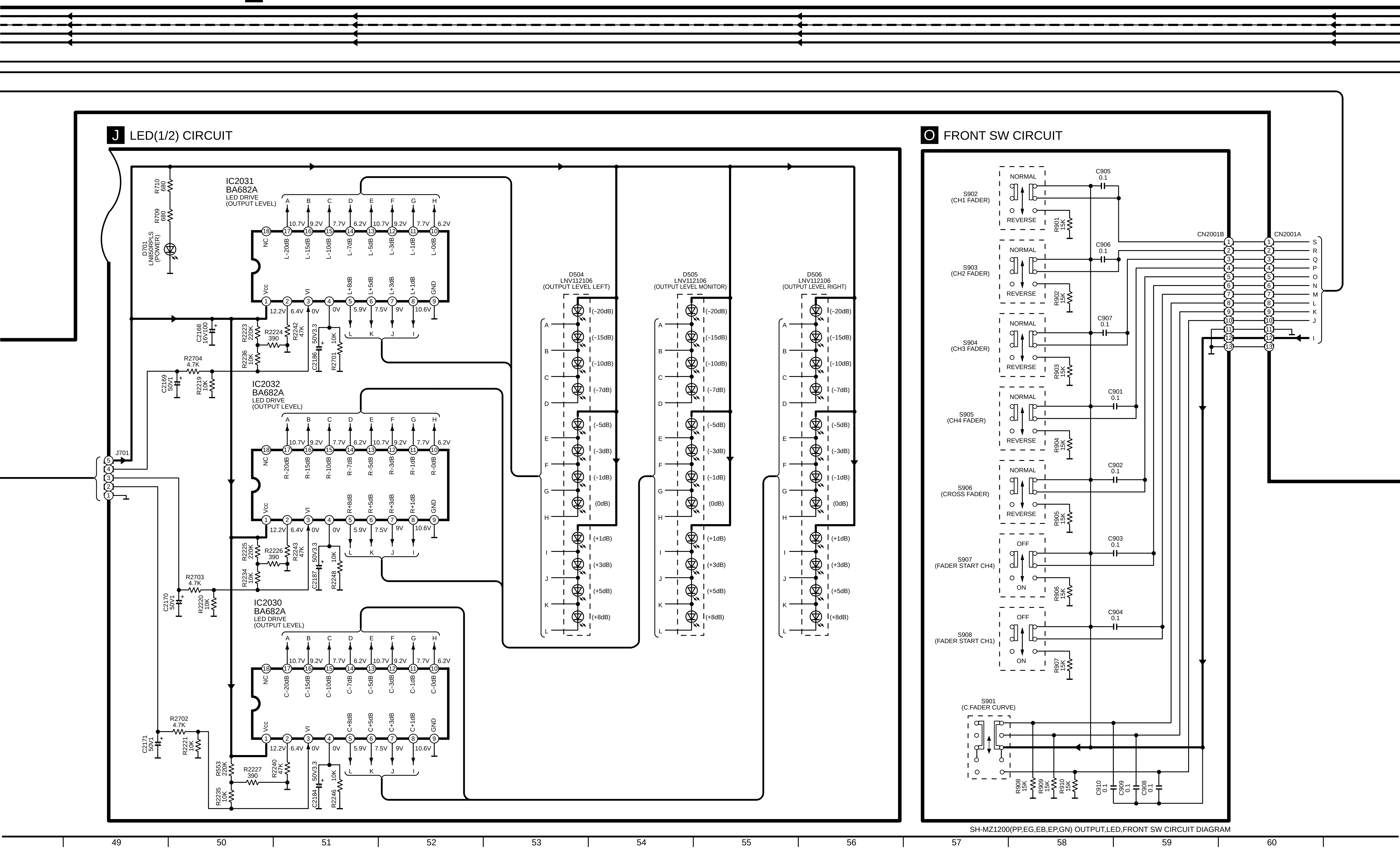
25 26 27 28 29 30 31 32 33 34 35 36

M OUTPUT CIRCUIT

:POSITIVE VOLTAGE LINE :NEGATIVE VOLTAGE LINE :AUDIO SIGNAL(ANALOG) LINE

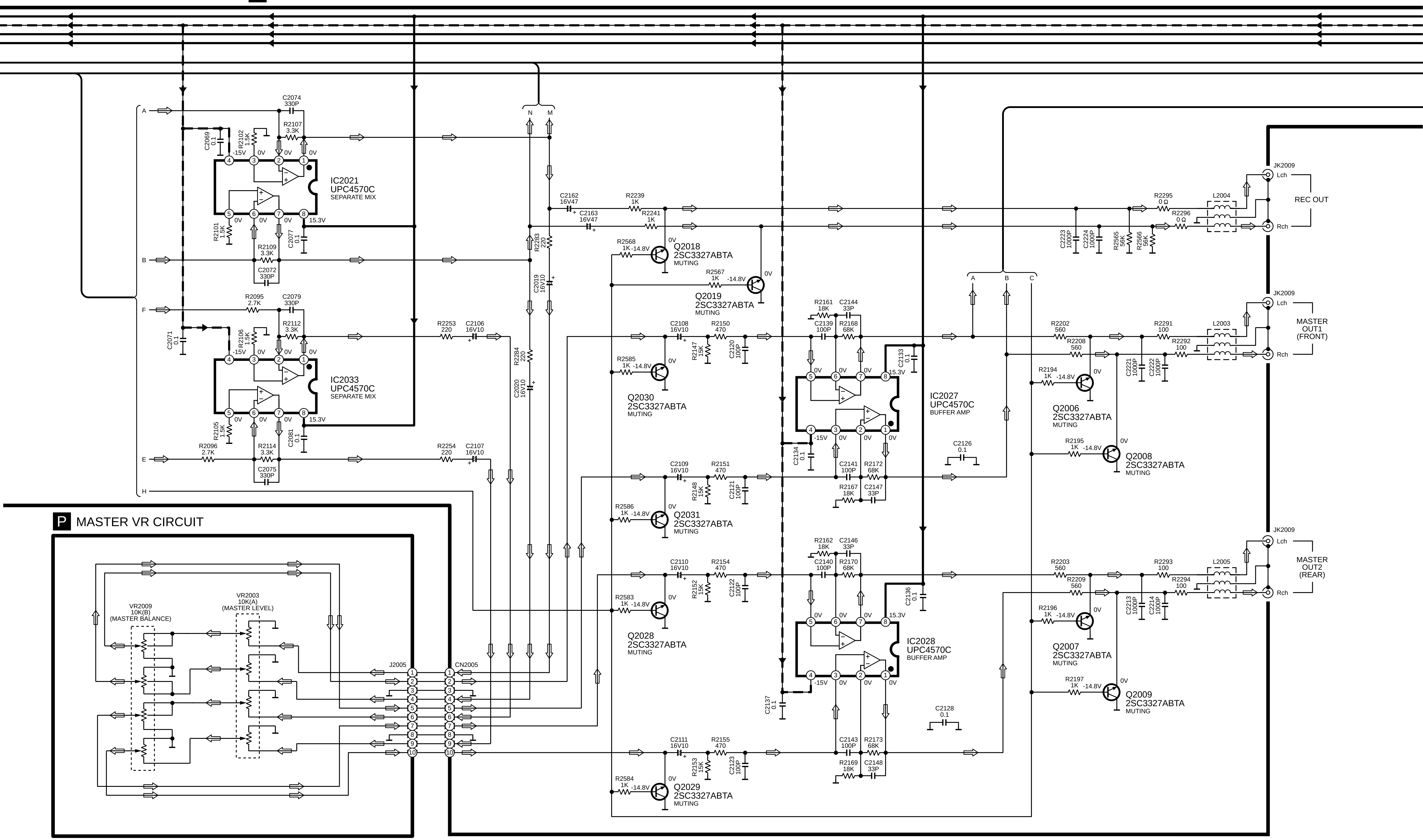


M OUTPUT CIRCUIT :POSITIVE VOLTAGE LINE :NEGATIVE VOLTAGE LINE



M OUTPUT CIRCUIT

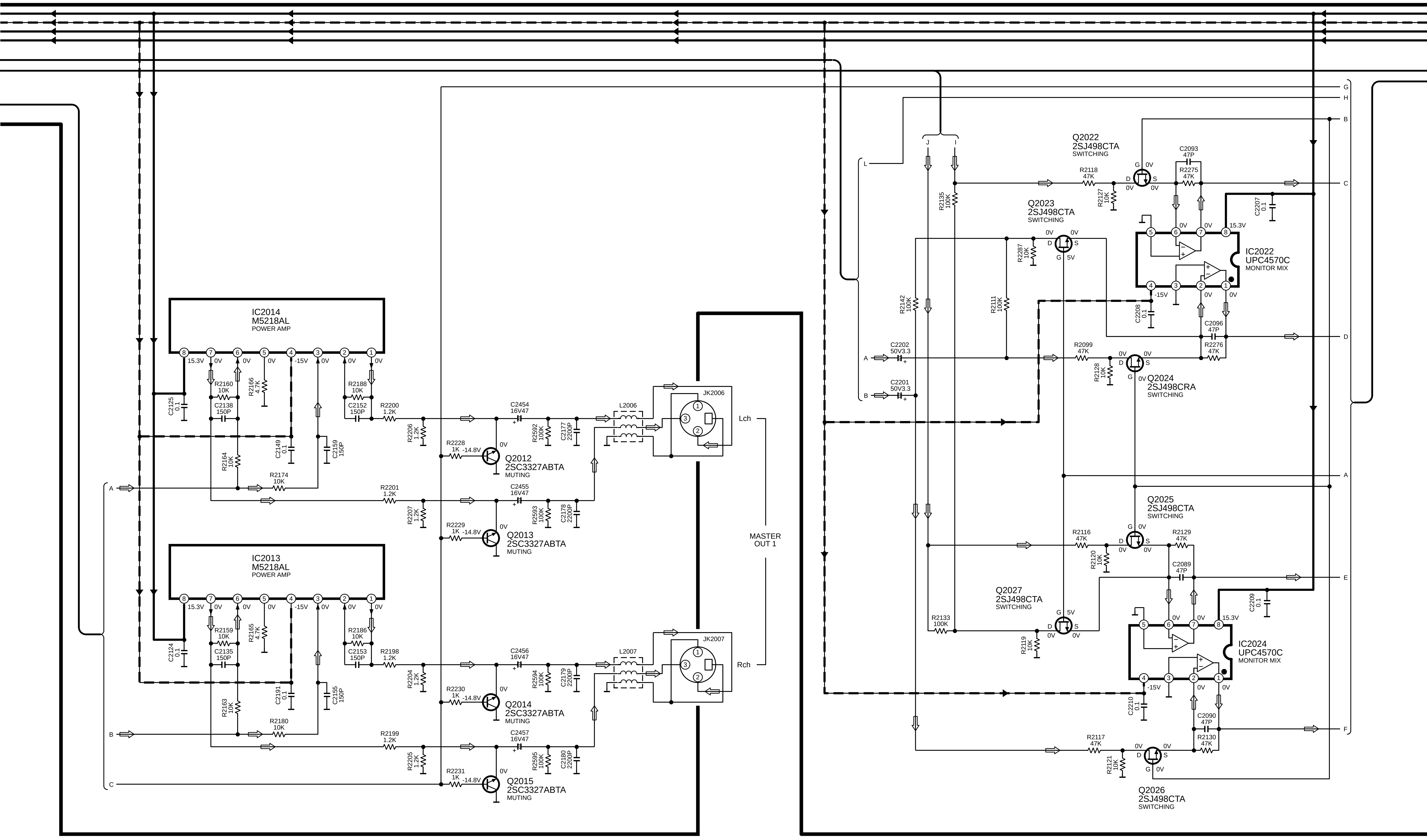
:POSITIVE VOLTAGE LINE :NEGATIVE VOLTAGE LINE :AUDIO SIGNAL(ANALOG) LINE



61 62 63 64 65 66 67 68 69 70 71 72

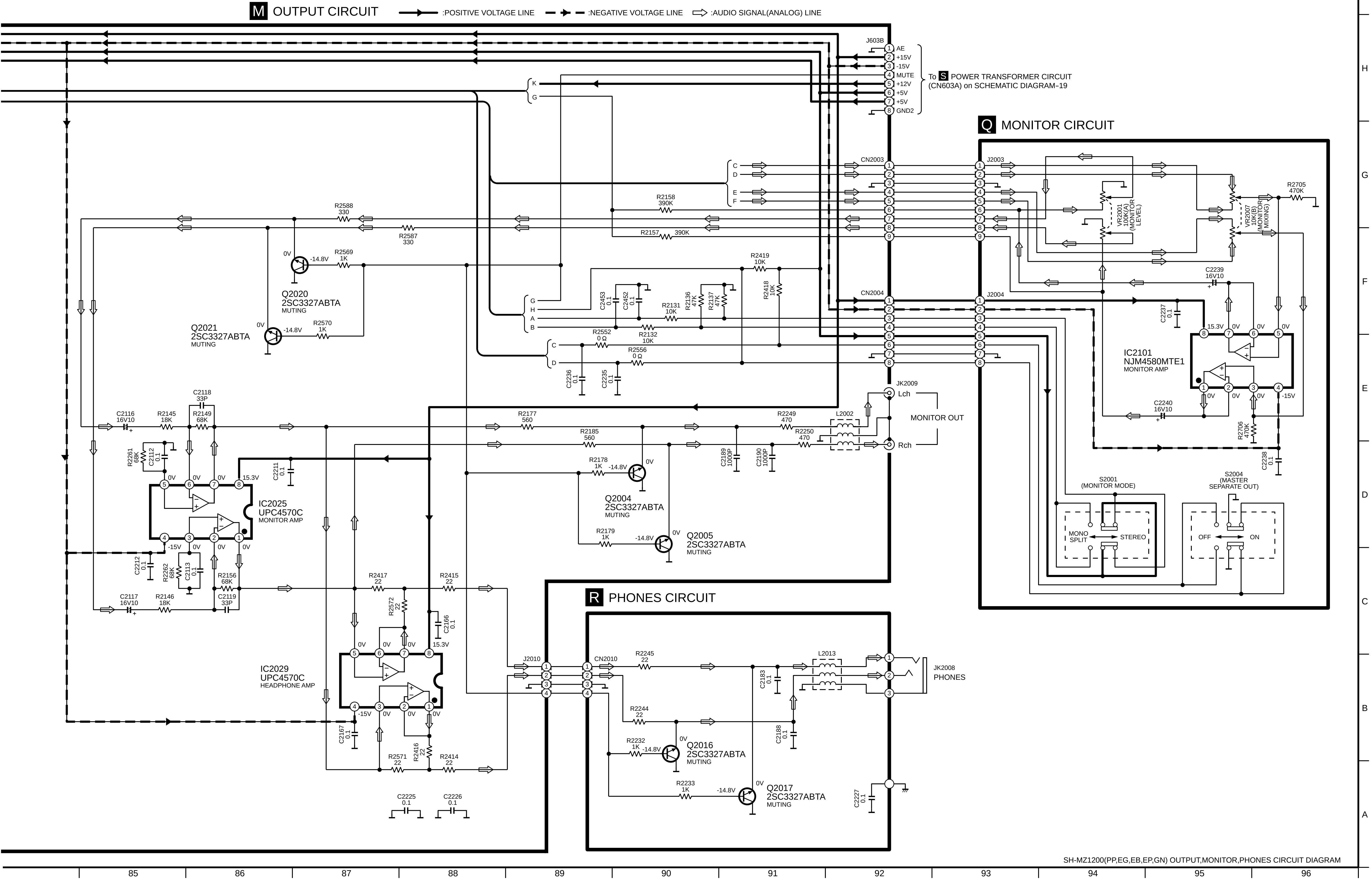
M OUTPUT CIRCUIT

:POSITIVE VOLTAGE LINE :NEGATIVE VOLTAGE LINE :AUDIO SIGNAL(ANALOG) LINE

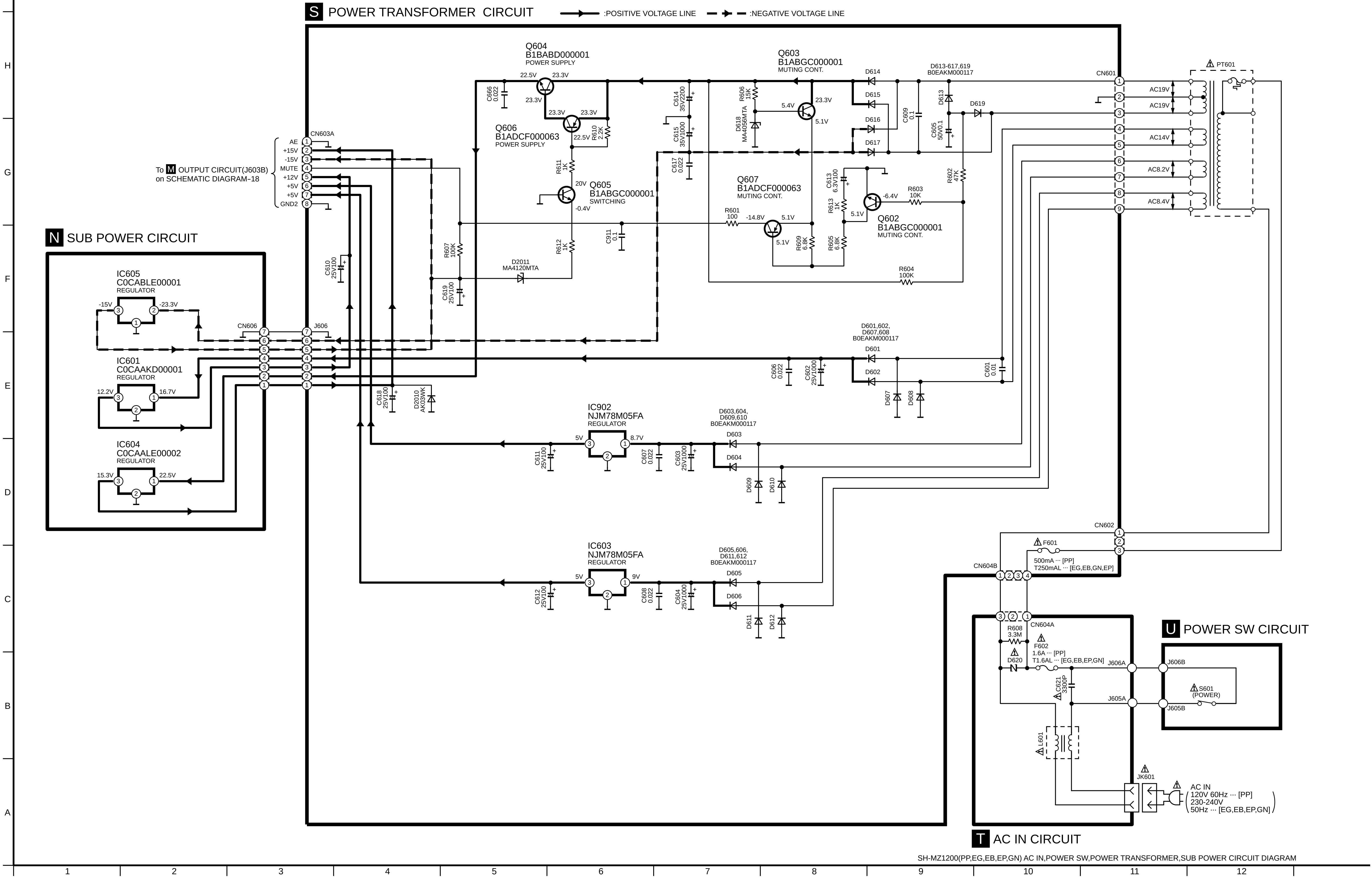


SH-MZ1200(PP,EG,EB,EP,GN) OUTPUT CIRCUIT DIAGRAM

SCHEMATIC DIAGRAM–18



SH-MZ1200(PP,EG,EB,EP,GN) OUTPUT,MONITOR,PHONES CIRCUIT DIAGRAM


S POWER TRANSFORMER CIRCUIT
:POSITIVE VOLTAGE LINE
:NEGATIVE VOLTAGE LINE
N SUB POWER CIRCUIT
U POWER SW CIRCUIT
T AC IN CIRCUIT
Q604 B1BABD000001 POWER SUPPLY
Q606 B1ADCF000063 POWER SUPPLY
Q605 B1ABGC000001 SWITCHING
Q603 B1ABGC000001 MUTING CONT.
Q607 B1ADCF000063 MUTING CONT.
Q602 B1ABGC000001 MUTING CONT.
D613-617,619 B0EAKM000117
D601,602, D607,608 B0EAKM000117
D603,604, D609,610 B0EAKM000117
D605,606, D611,612 B0EAKM000117
IC605 C0CABLE00001 REGULATOR
IC601 C0CAAKD00001 REGULATOR
IC604 C0CAALE00002 REGULATOR
IC902 NJM78M05FA REGULATOR
IC603 NJM78M05FA REGULATOR
D2011 MA4120MTA
D2010 AK03WK
D618 MA4056MTA
To M OUTPUT CIRCUIT(J603B) on SCHEMATIC DIAGRAM-18
CN603A
AE
+15V
-15V
MUTE
+12V
+5V
+5V
GND2
CN606
J606
CN601
CN602
CN604B
CN604A
PT601
AC19V
AC19V
AC14V
AC8.2V
AC8.4V
F601 500mA ··· [PP] T250mAL ··· [EG,EB,GN,EP]
F602 1.6A ··· [PP] T1.6AL ··· [EG,EB,EP,GN]
R608 3.3M
D620
C621 3300P
L601
J606A
J605A
J606B
J605B
S601 (POWER)
JK601
AC IN 120V 60Hz ··· [PP] 230-240V 50Hz ··· [EG,EB,EP,GN]

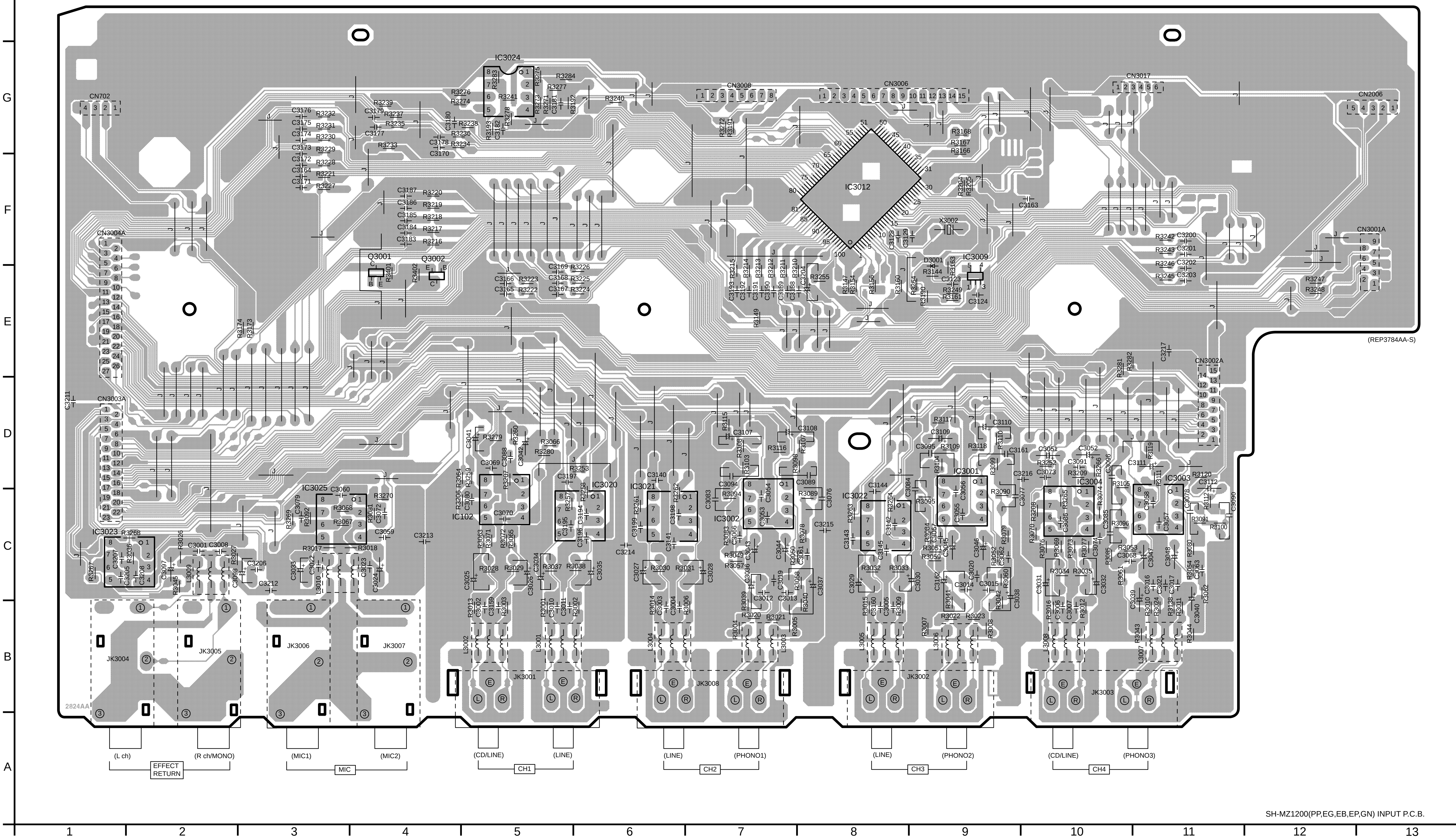
8 Printed Circuit Board Diagram

TOP PREVIOUS NEXT

TOP PREVIOUS NEXT

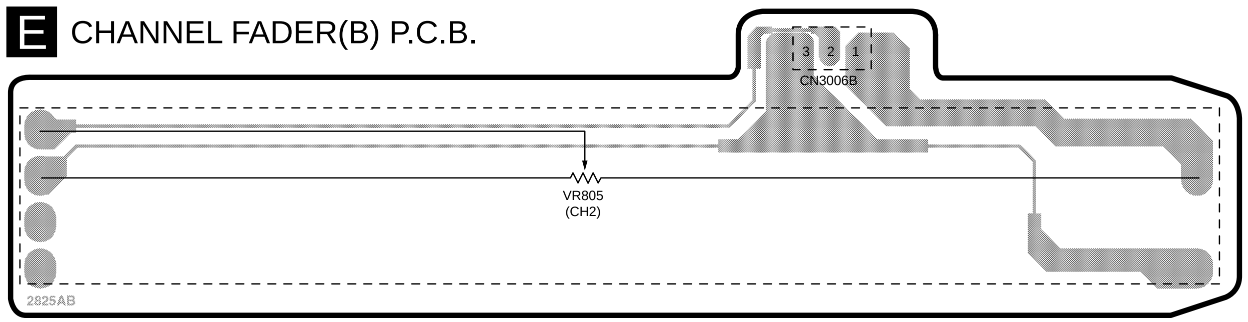
Note: This printed circuit board diagram may be modified at any time with the development of new technology.

A INPUT P.C.B.



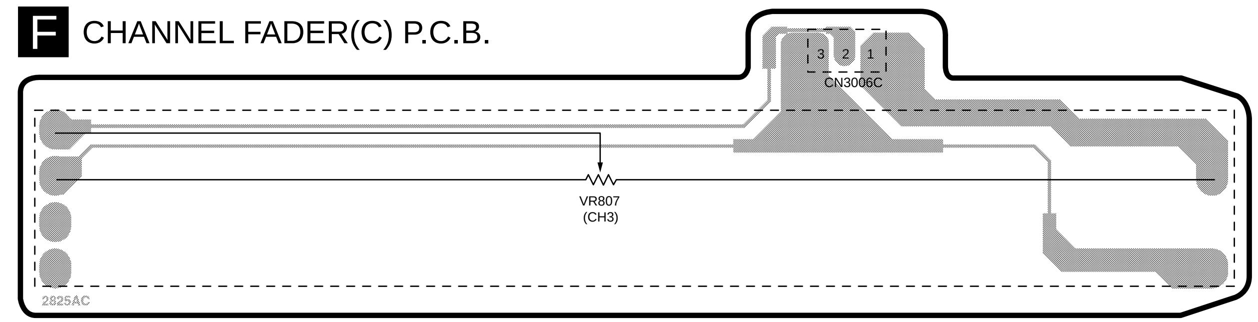
SH-MZ1200(PP,EG,EB,EP,GN) INPUT P.C.B.

E CHANNEL FADER(B) P.C.B.



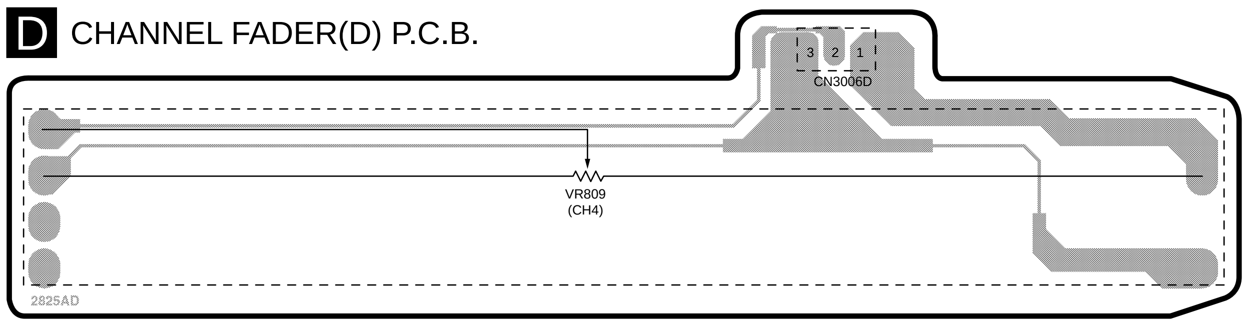
(REP3743A-ST)

F CHANNEL FADER(C) P.C.B.



(REP3743A-ST)

D CHANNEL FADER(D) P.C.B.

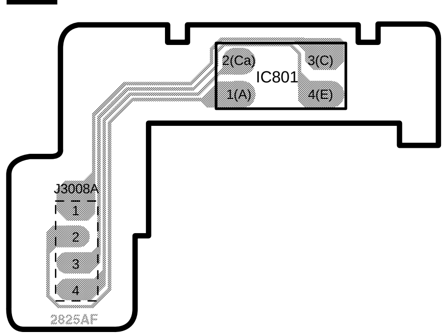


(REP3743A-ST)

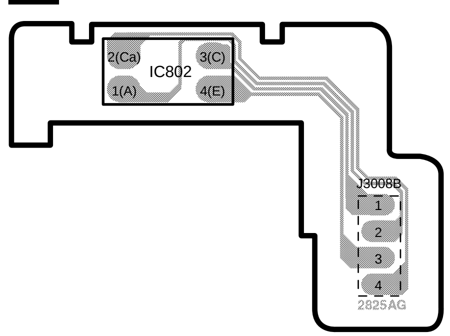
PHOTO INTERRUPTER P.C.B.

(REP3855A-S)

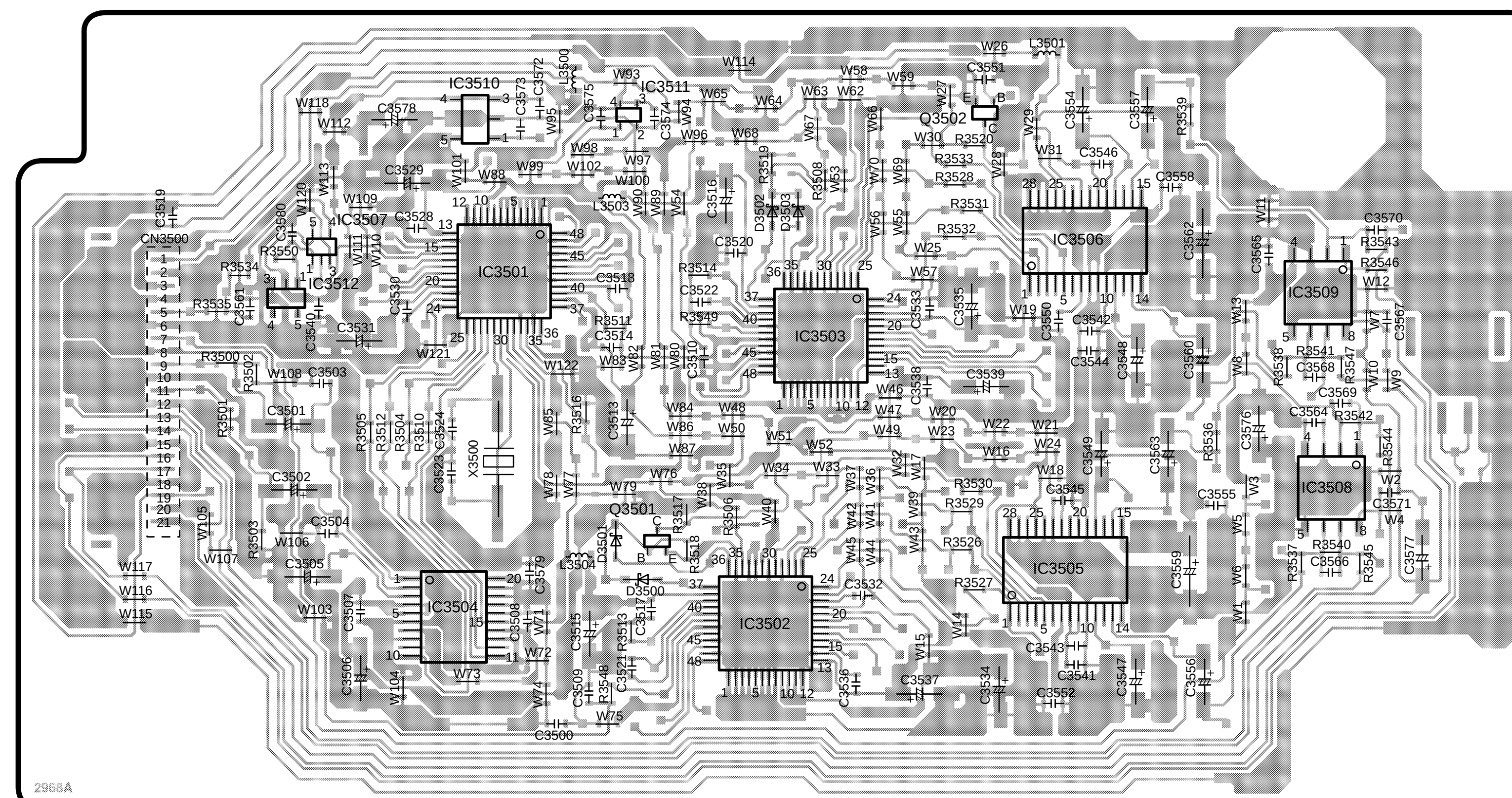
C SENSOR(A) P.C.B.



B SENSOR(B) P.C.B.

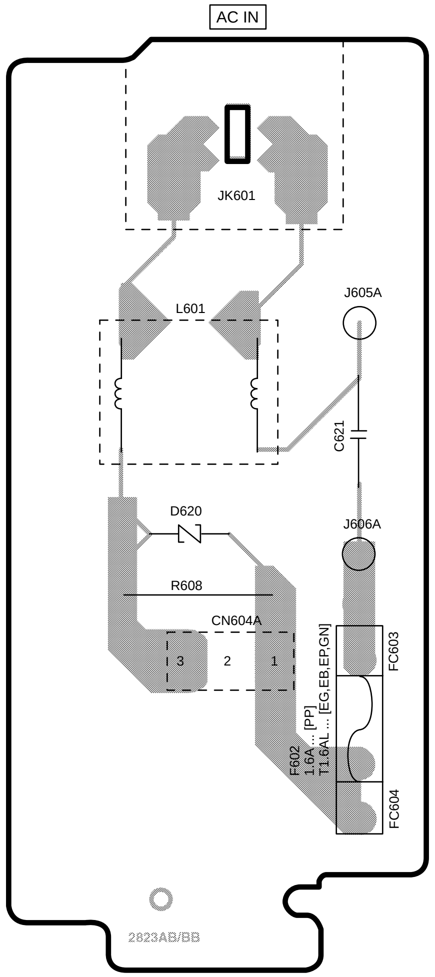


L SUB P.C.B.



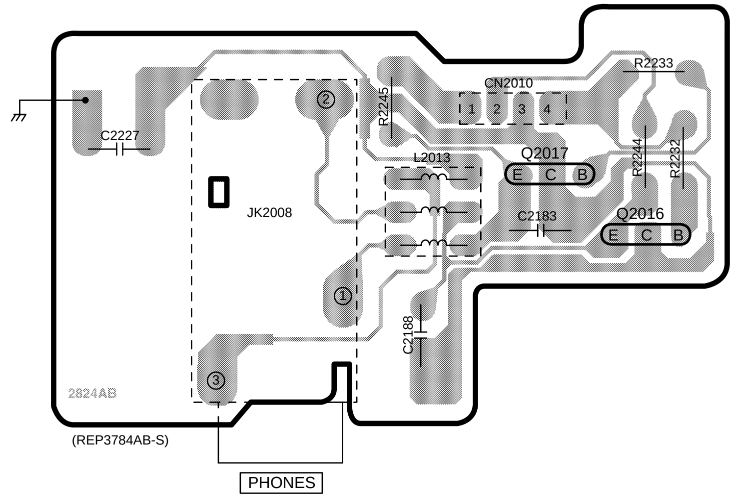
(RFKBMZ2968A)

T AC IN P.C.B.



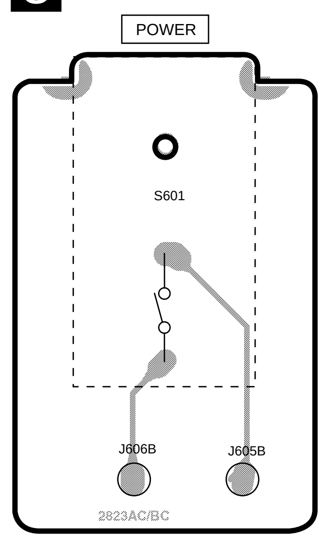
(REP3786BB-S ····· [PP]
REP3786CB-S ····· [EG,EB,EP,GN])

R PHONES P.C.B.



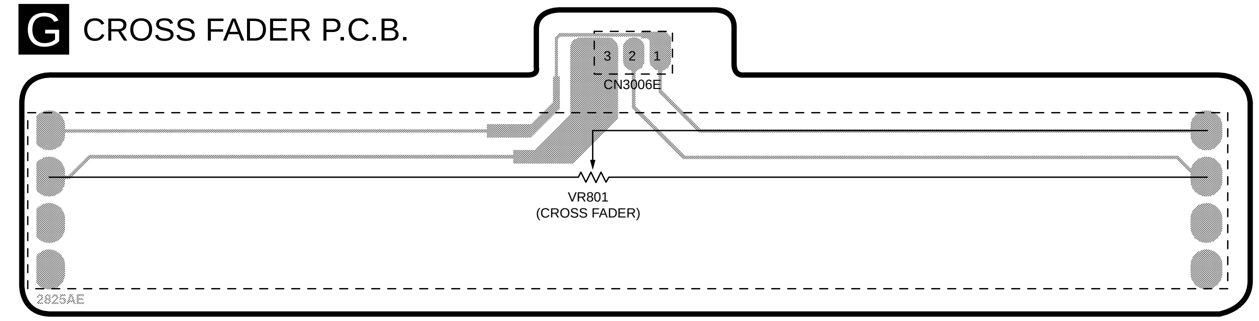
(REP3784AB-S)

U POWER SW P.C.B.



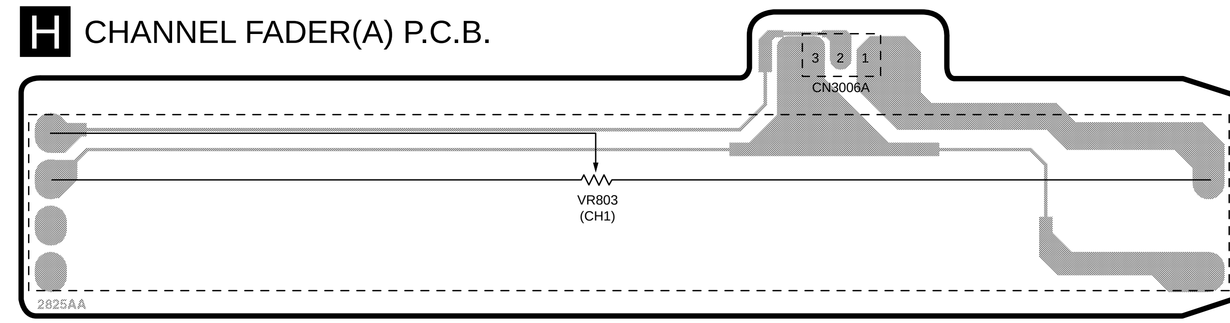
(REP3786BB-S ····· [PP]
REP3786CB-S ····· [EG,EB,EP,GN])

G CROSS FADER P.C.B.



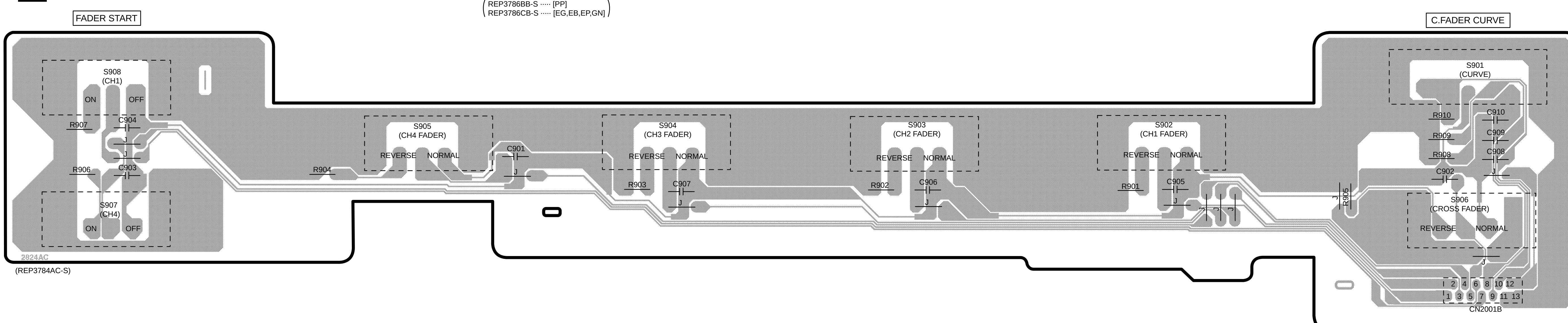
(REP3742A-ST)

H CHANNEL FADER(A) P.C.B.



(REP3743A-ST)

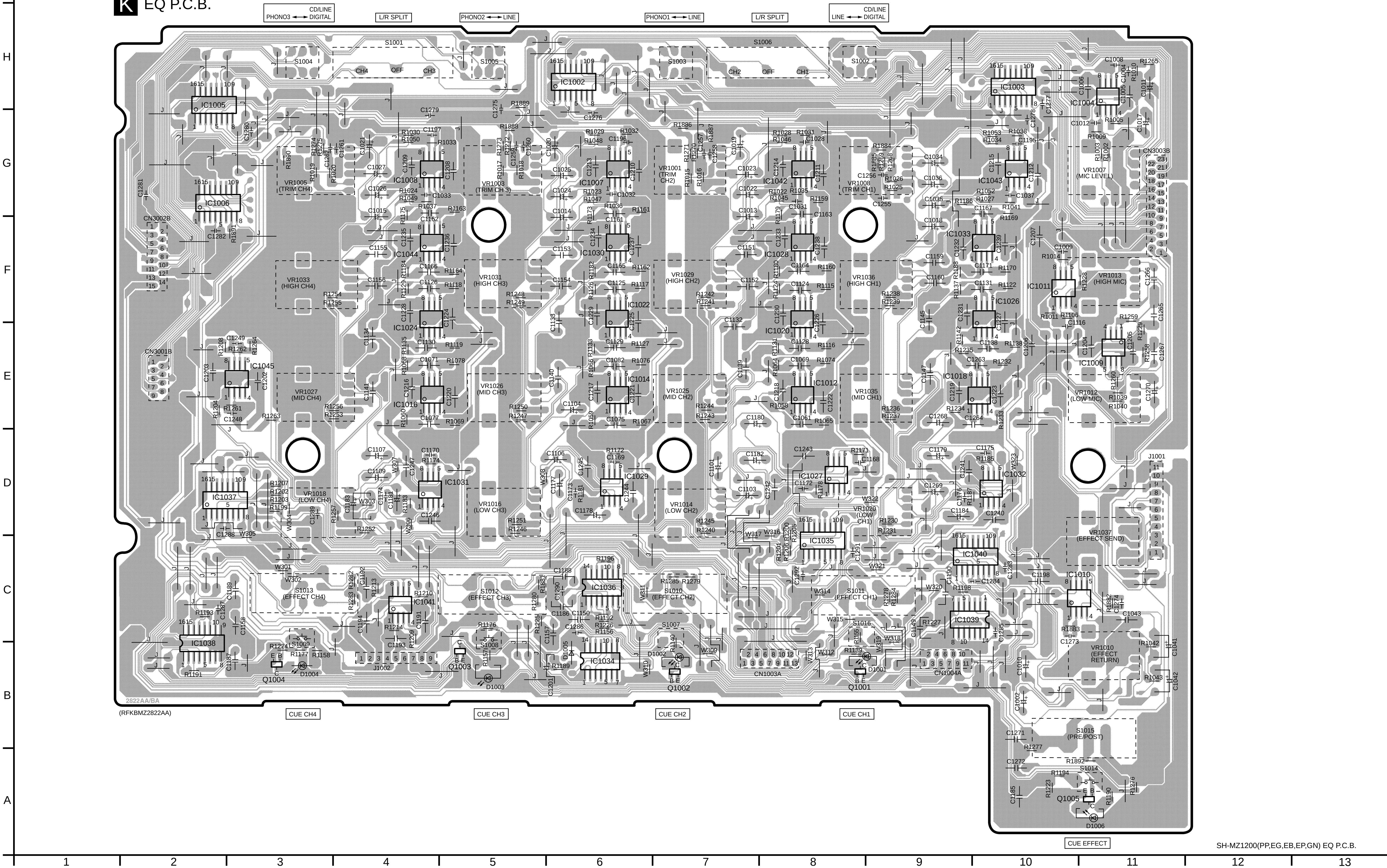
O FRONT SW P.C.B.



(REP3784AC-S)

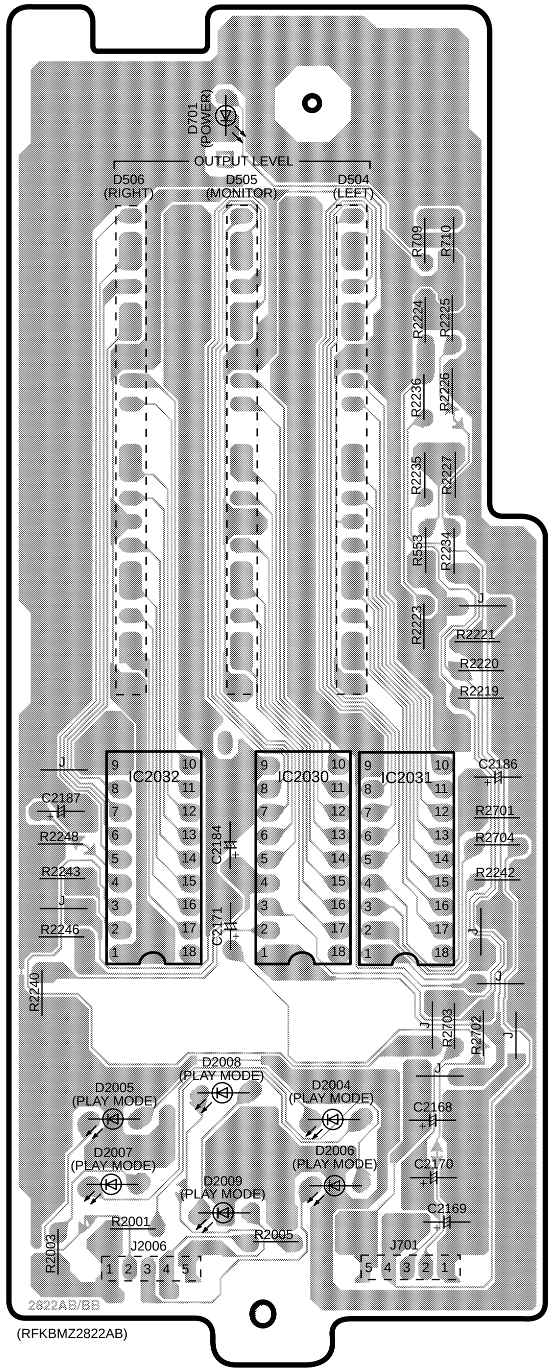
SH-MZ1200(PP,EG,EB,EP,GN) AC IN, POWER SW, CROSS FADER, CHANNEL FADER(A), PHONES, FRONT SW P.C.B.

K EQ P.C.B.



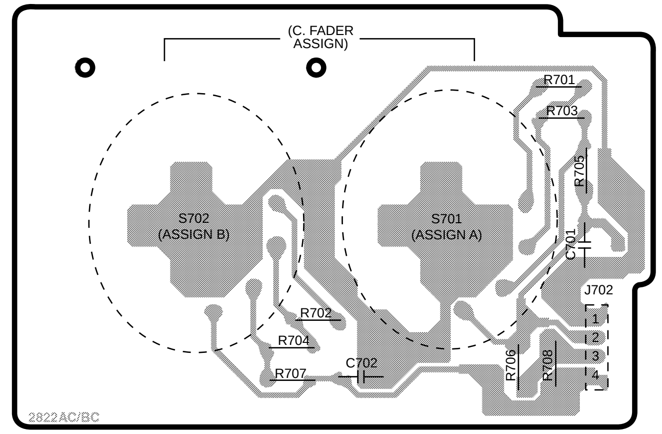
SH-MZ1200(PP,EG,EB,EP,GN) EQ P.C.B.

J LED P.C.B.



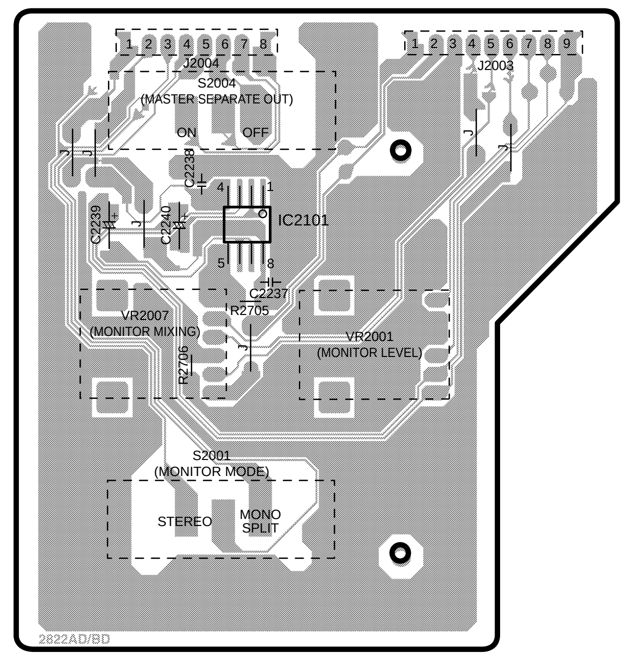
(RFKBMZ2822AB)

I ASSIGN P.C.B.



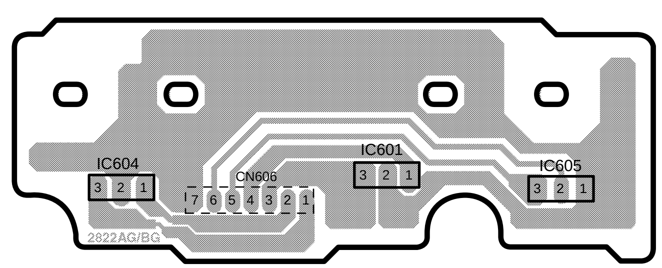
(RFKBMZ2822AC)

Q MONITOR P.C.B.



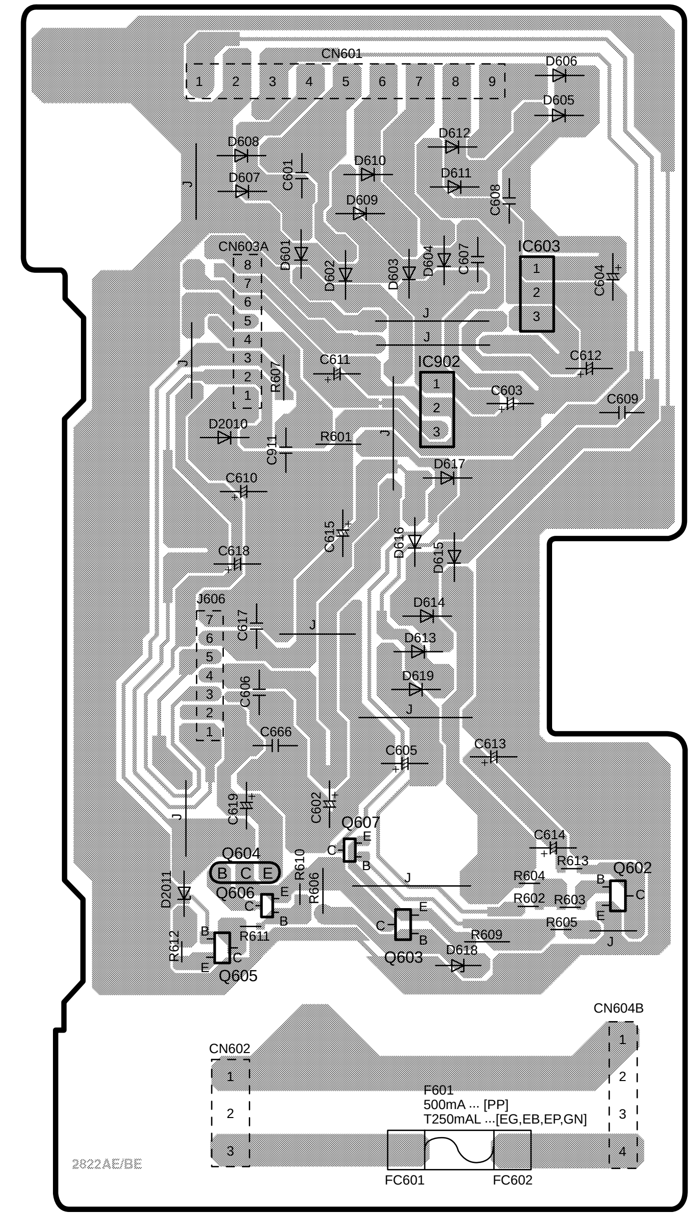
(RFKBMZ2822AD)

N SUB POWER P.C.B.



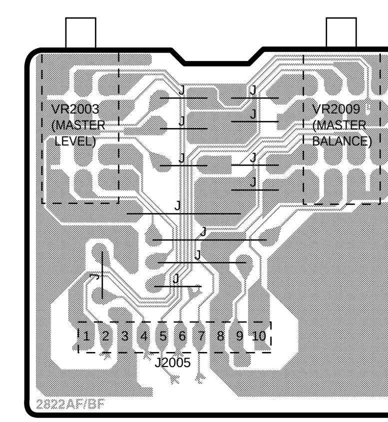
(REP3787AC-S ····· [PP]
REP3787BC-S ····· [EG,EB,EP,GN])

S POWER TRANSFORMER P.C.B.



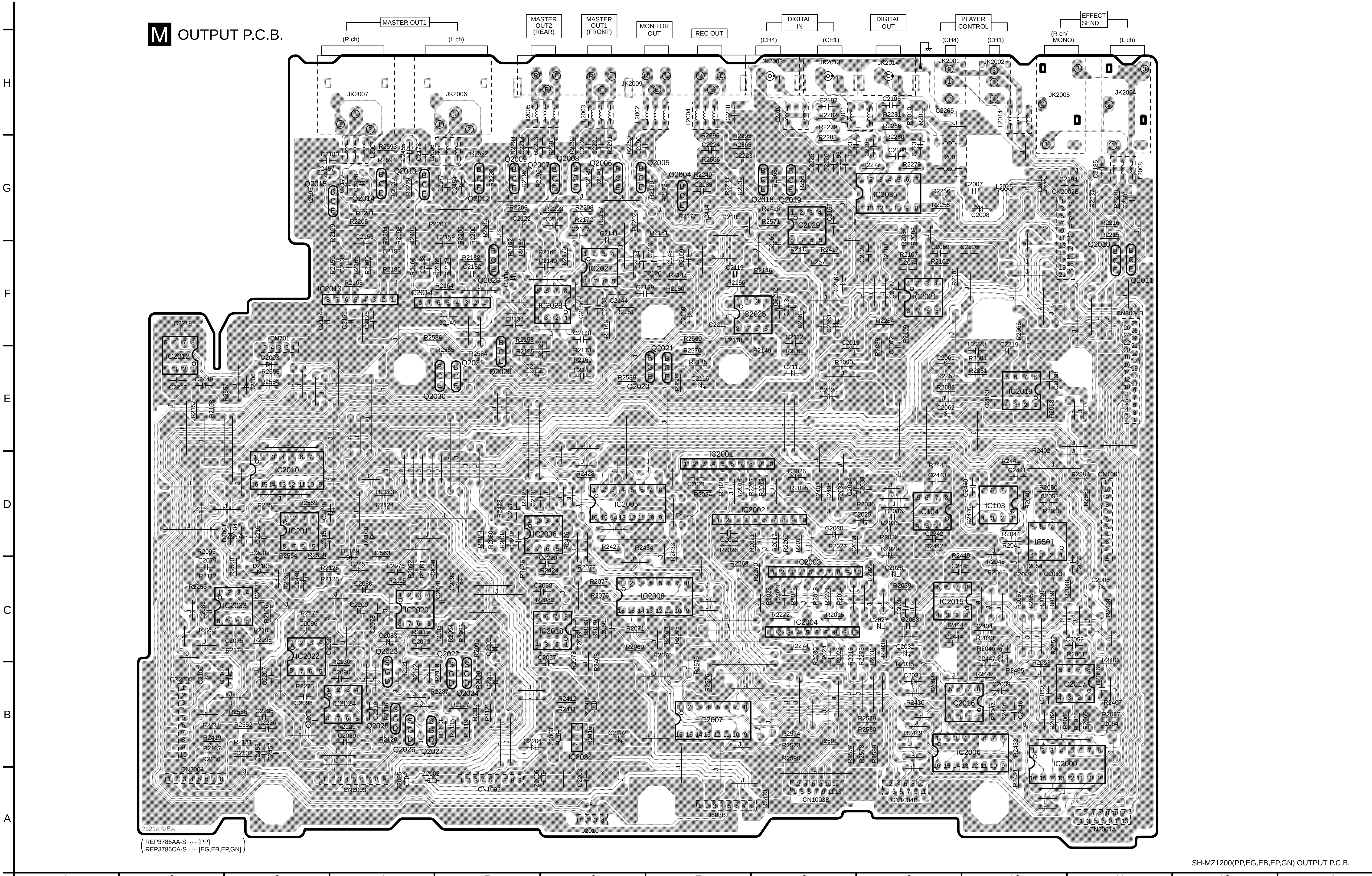
(REP3787AB-S ····· [PP]
REP3787BB-S ····· [EG,EB,EP,GN])

P MASTER VR P.C.B.



(RFKBMZ2822AF)

M OUTPUT P.C.B.

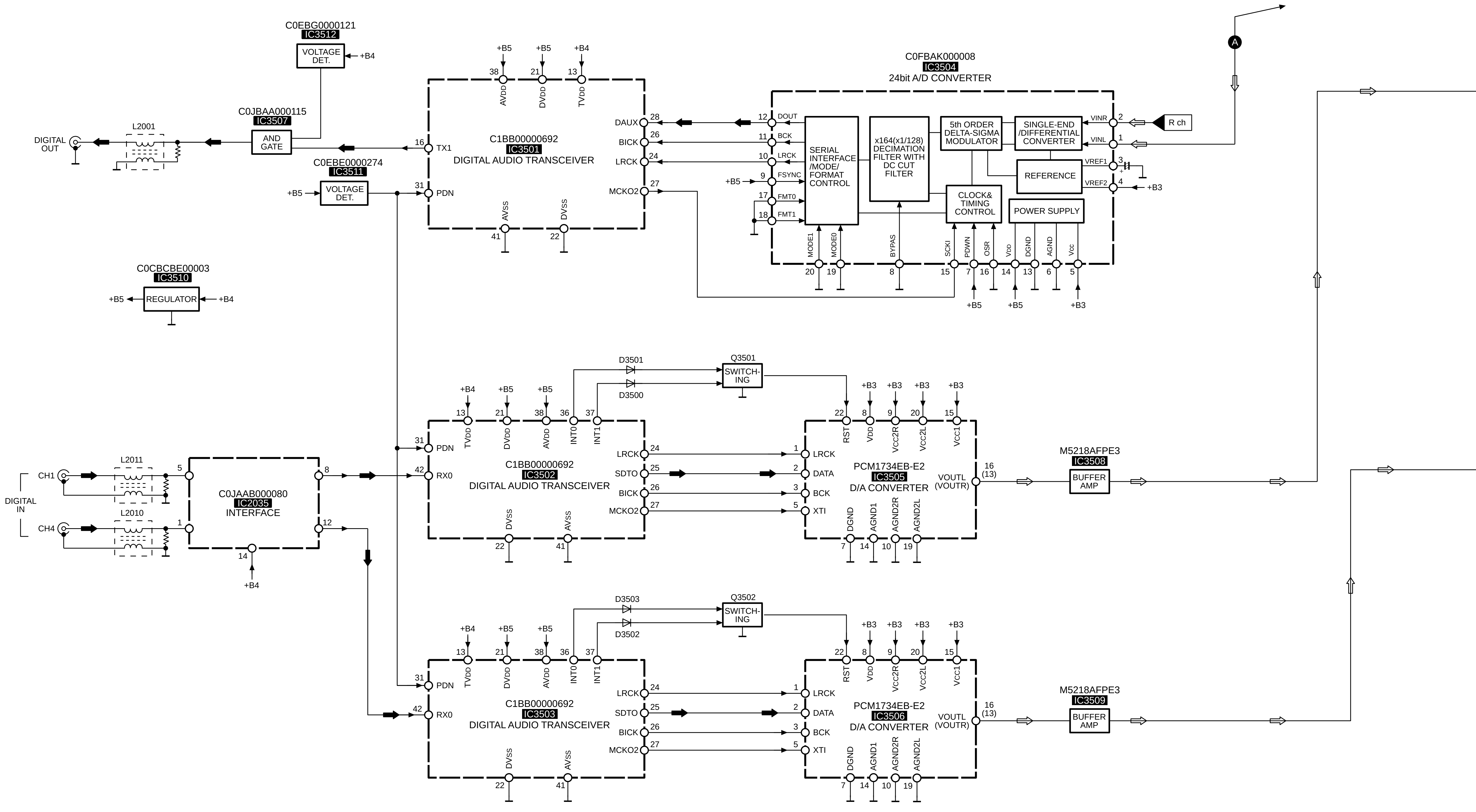


SH-MZ1200(PP,EG,EB,EP,GN) OUTPUT P.C.B.

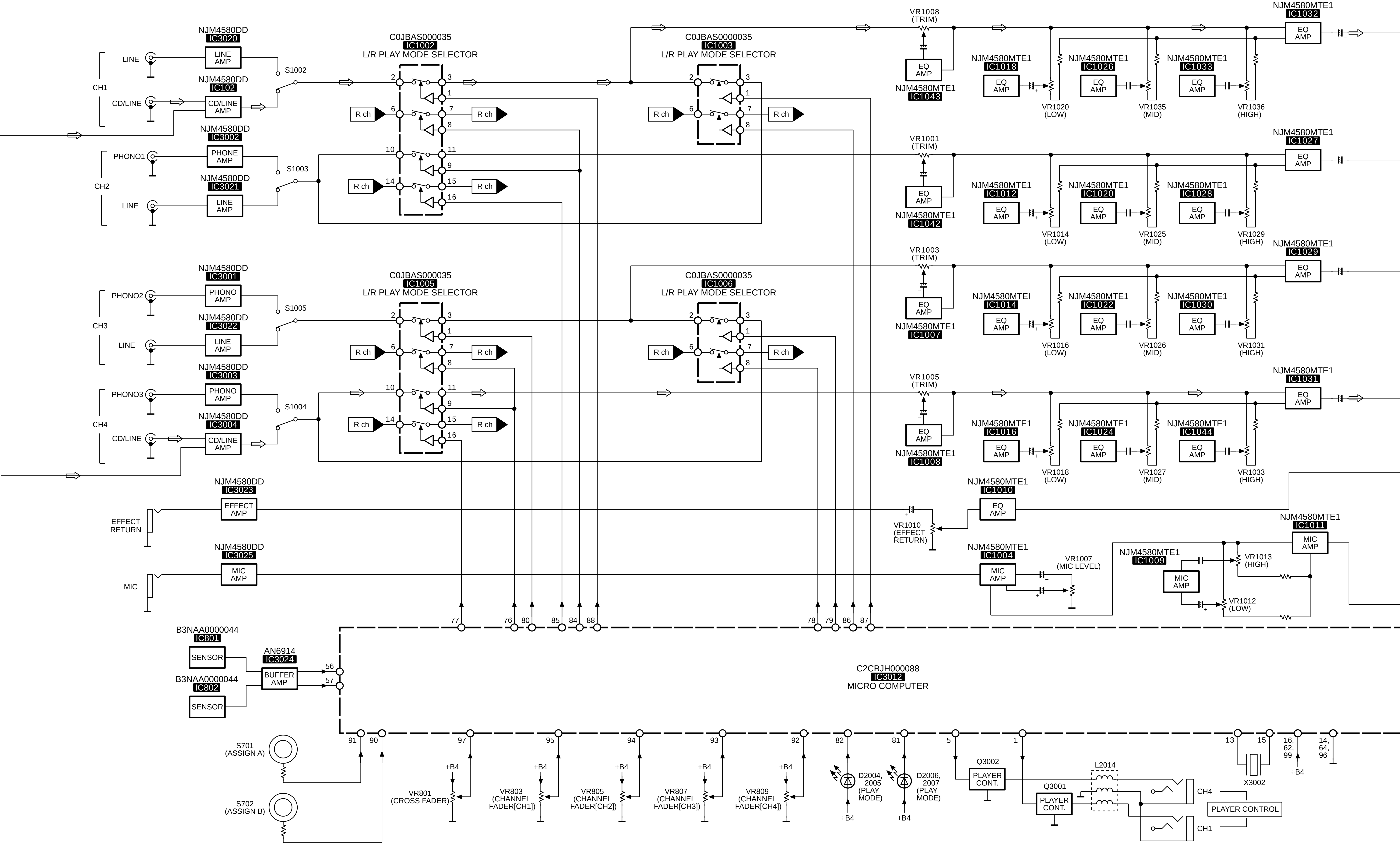
9 Block Diagram

TOP PREVIOUS NEXT

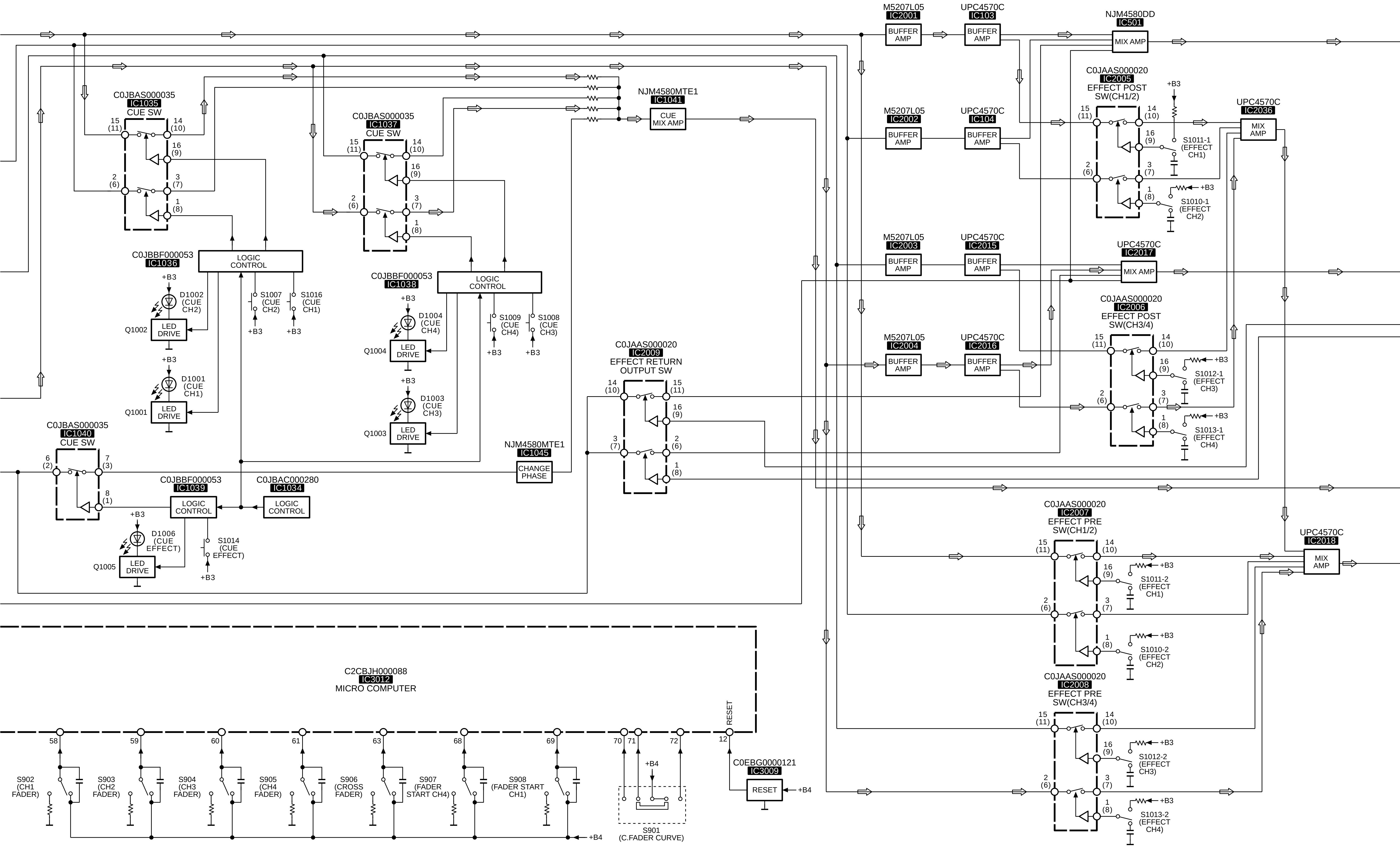
TOP PREVIOUS NEXT



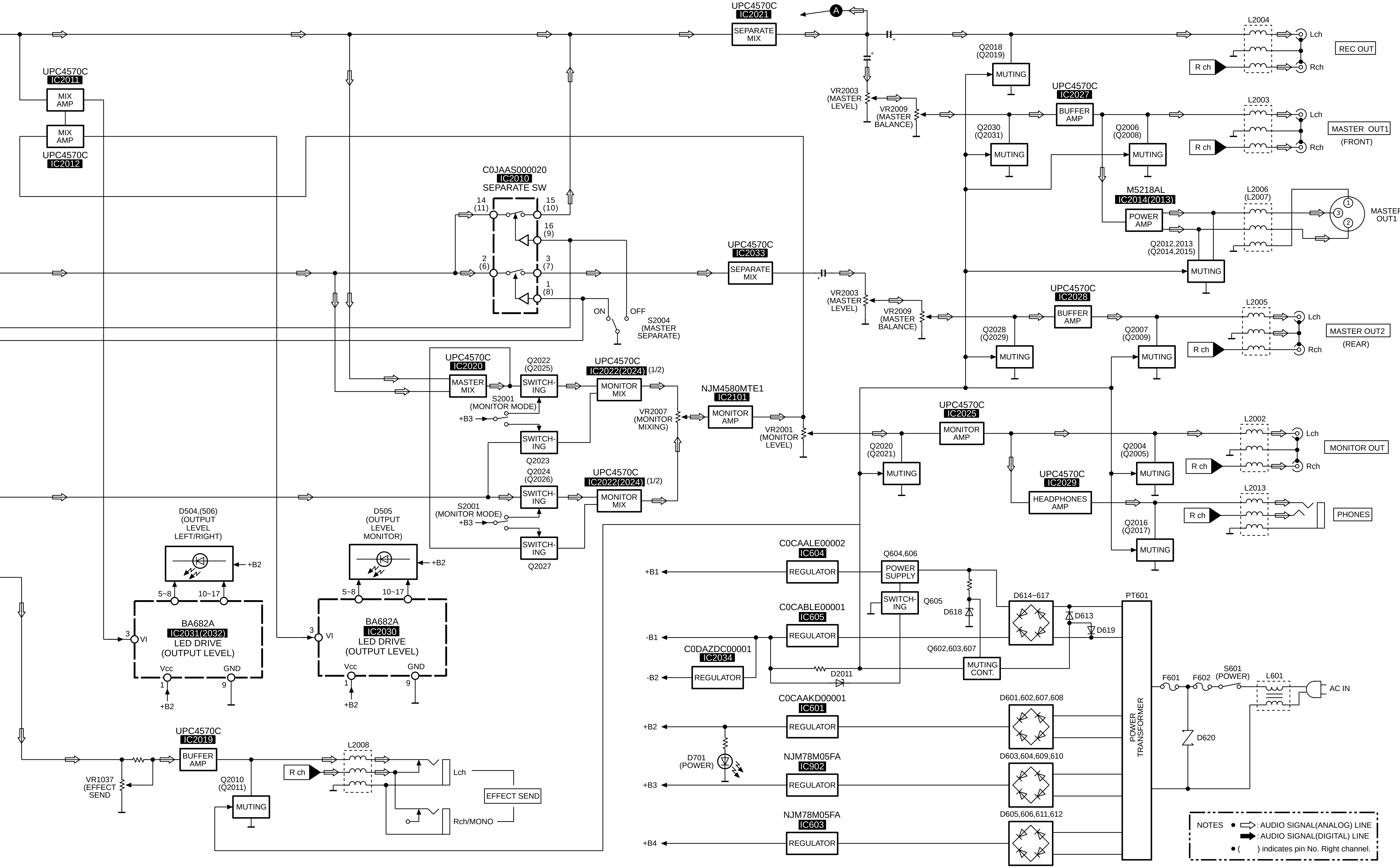
C0EBG0000121
IC3512
VOLTAGE DET.
C0JBAA000115
IC3507
AND GATE
DIGITAL OUT
L2001
C0EBE0000274
IC3511
VOLTAGE DET.
C1BB00000692
IC3501
DIGITAL AUDIO TRANSCEIVER
C0FBAK000008
IC3504
24bit A/D CONVERTER
SERIAL INTERFACE /MODE/ FORMAT CONTROL
x164(x1/128) DECIMATION FILTER WITH DC CUT FILTER
5th ORDER DELTA-SIGMA MODULATOR
SINGLE-END /DIFFERENTIAL CONVERTER
REFERENCE
CLOCK& TIMING CONTROL
POWER SUPPLY
R ch
C0CBCBE00003
IC3510
REGULATOR
D3501
D3500
Q3501
SWITCH-ING
C1BB00000692
IC3502
DIGITAL AUDIO TRANSCEIVER
PCM1734EB-E2
IC3505
D/A CONVERTER
M5218AFPE3
IC3508
BUFFER AMP
DIGITAL IN
CH1
CH4
L2011
L2010
C0JAAB000080
IC2035
INTERFACE
D3503
D3502
Q3502
SWITCH-ING
C1BB00000692
IC3503
DIGITAL AUDIO TRANSCEIVER
PCM1734EB-E2
IC3506
D/A CONVERTER
M5218AFPE3
IC3509
BUFFER AMP



SH-MZ1200(PP,EG,EB,EP,GN) BLOCK DIAGRAM

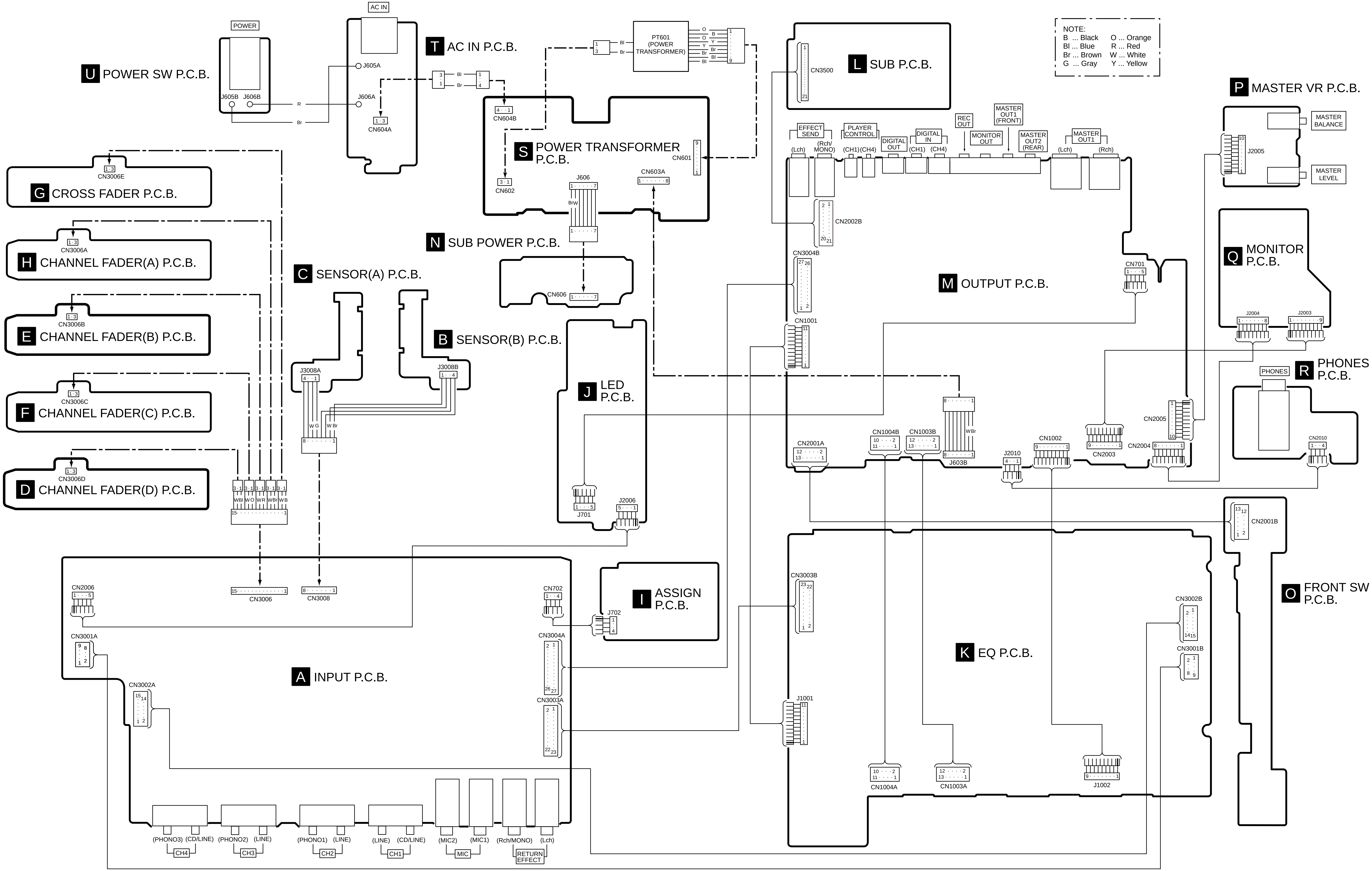


SH-MZ1200(PP,EG,EB,EP,GN) BLOCK DIAGRAM



SH-MZ1200(PP,EG,EP,EP,GN) BLOCK DIAGRAM

10 Wiring Connection Diagram

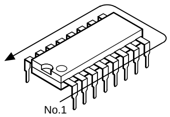

NOTE:
B ... Black
Bl ... Blue
Br ... Brown
G ... Gray
O ... Orange
R ... Red
W ... White
Y ... Yellow
U POWER SW P.C.B.
POWER
T AC IN P.C.B.
AC IN
PT601 (POWER TRANSFORMER)
S POWER TRANSFORMER P.C.B.
N SUB POWER P.C.B.
L SUB P.C.B.
P MASTER VR P.C.B.
MASTER BALANCE
MASTER LEVEL
Q MONITOR P.C.B.
R PHONES P.C.B.
PHONES
M OUTPUT P.C.B.
G CROSS FADER P.C.B.
H CHANNEL FADER(A) P.C.B.
E CHANNEL FADER(B) P.C.B.
F CHANNEL FADER(C) P.C.B.
D CHANNEL FADER(D) P.C.B.
C SENSOR(A) P.C.B.
B SENSOR(B) P.C.B.
J LED P.C.B.
I ASSIGN P.C.B.
A INPUT P.C.B.
K EQ P.C.B.
O FRONT SW P.C.B.
EFFECT SEND
PLAYER CONTROL
DIGITAL OUT
DIGITAL IN
REC OUT
MONITOR OUT
MASTER OUT1 (FRONT)
MASTER OUT2 (REAR)
MASTER OUT1
(PHONO3) (CD/LINE) CH4
(PHONO2) (LINE) CH3
(PHONO1) (LINE) CH2
(LINE) (CD/LINE) CH1
(MIC2) (MIC1) MIC
(Rch/MONO) (Lch) RETURN EFFECT

11 Type Illustration of IC’s, Transistors and Diodes

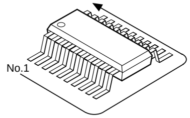
TOP PREVIOUS NEXT

TOP PREVIOUS NEXT

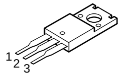
UPC4570C	8PIN
C0JAAS000020	16PIN
AN6914	8PIN



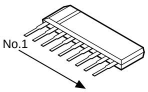
C0FBAK000008	20PIN
PCM1734EB-E2	28PIN
NJM4580MTE1	8PIN
C0JBAS000035	16PIN
M5218AFPE3	8PIN



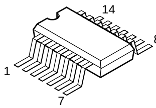
NJM78M05FA



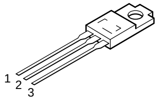
M5218AL	8PIN
M5207L05	10PIN



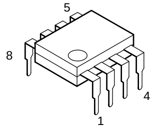
C0JBAC000280
C0JBBF000053



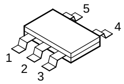
C0CAAKD00001
C0CAALE00002
C0CABLE00001



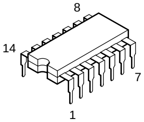
NJM4580DD



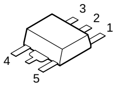
C0EBG0000121
C0JBAA000115



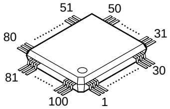
C0JAAB000080



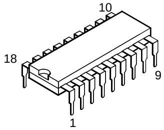
C0CBCBE00003



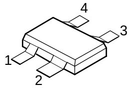
C2CBJH000088



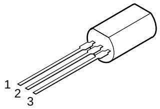
BA682A



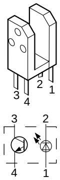
C0CEBE0000274



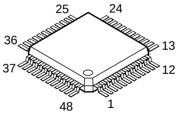
C0DAZDC00001



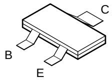
B3NAA0000044



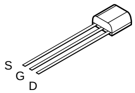
C1BB00000692



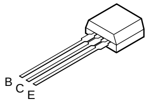
DTC114YUA106
B1ABGC000001
B1ADCF000063
UN5211TX



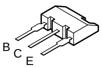
2SJ498CTA



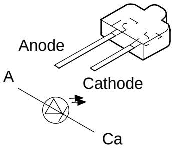
2SC3327ABTA



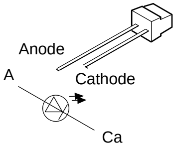
B1BABD000001



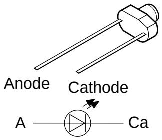
B3ADA0000148



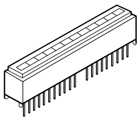
LN850RPLS



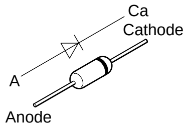
B3AAA0000530



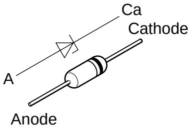
LNV112106



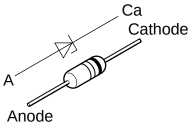
MA165TA



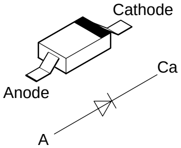
MA4120MTA



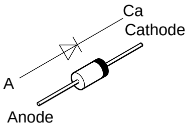
MA4056MTA



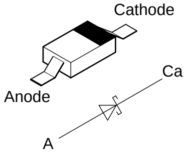
MA111TX



B0EAKM000117
AK03WK



MA728TX



12 Repracement Parts List

TOP PREVIOUS NEXT

Note:

- Important safety notice:
- Components identified by ⚠ mark have special characteristics important for safety.
- Furthermore, special parts which have purposes of fireretardant (resistors), high-quality sound (capacitors), low-noise (resistors), etc. are used.
- When replacing any of components, be sure to use only manufacture's specified parts shown in the parts list.
- The parenthesized indications in the Remarks columns specify the areas and the product colors. Parts without these indications can be used for all areas.
  - (EBK): SL-DZ1200EBK
  - (EBS): SL-DZ1200EBS
  - (EGK): SL-DZ1200EGK
  - (EGS): SL-DZ1200EGS
  - (EPK): SL-DZ1200EPK
  - (EPS): SL-DZ1200EPS
  - (GNK): SL-DZ1200GNK
  - (GNS): SL-DZ1200GNS
  - (PPK): SL-DZ1200PPK
  - (PPS): SL-DZ1200PPS

- Capacity values are in microfarads (uF) unless specified otherwise, P=Pico-farads (pF) F=Farads (F)
- Resistance values are in ohms, unless specified otherwise, 1K=1,000 (OHM), 1M=1,000k (OHM)
- The marking <RTL> indicates the retention time is limited for this item. After the discontinuation of this assembly in production, it will no longer be available.

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
1	REZ1604	WIRE KIT	1	
2	REZ1602	FLAT CABLE(15P)	1	
3	REZ1655	FLAT CABLE(15P)	1	
4	REZ1656	FLAT CABLE(9P)	1	
5	REZ1657	FLAT CABLE(13P)	1	
6	REZ1658	FLAT CABLE(13P)	1	
7	REZ1659	FLAT CABLE(11P)	1	
8	REZ1660	FLAT CABLE(27P)	1	
9	REZ1661	FLAT CABLE(23P)	1	
10	REZ1662	FLAT CABLE(21P)	1	
11	REZ1672	LEAD WIRE(2P)	1	
12	RGN2572-K	NAME PLATE	1	PPK PPS ⚠
12	RGN2574-K	NAME PLATE	1	EGS EGK EBS EBK EPS EPK ⚠
12	RGN2576-K	NAME PLATE	1	GNS GNK ⚠
13	RGV0194-S	KNOB,FADER	5	
14	RGW0257A-S	KNOB,TRIM	16	
15	RGW0258A-S	KNOB,MASTER	7	
16	RGW0400-S	KNOB,ASSIGN	2	
17	RGW0400A-S	KNOB,MASTER B	2	
18	RHD30110-K	SCREW	8	PPK EGK EBK EPK GNK
18	RHD30110-S	SCREW	8	EGS EBS EPS GNS PPS
19	RKW0744-K	LED DISPLAY BOARD	1	
20	RMF0347	COVER SHEET	4	

21	RMQ1283	COVER SHEET	2	
22	RMQ1284	COVER SHEET	1	
23	RMQ1329	COVER SHEET	7	
24	RMQ1348	COVER SHEET	2	
25	RMQ1360	COVER SHEET	3	
26	RMV0289	BLIND SHEET	1	
27	RMX0271	SPACER	3	
28	RMX0286	SPACER	4	
29	RQLS0091-1	DOC LABEL	1	PPK PPS
30	RQLS0102	FFC LABEL	1	PPK PPS
31	REZ1603	WIRE KIT	1	
32	RMQ1328	LED COVER	1	
33	RMR1600-K	METER FRAME	1	
34	RGU2252-W	KNOB,EFF	1	
35	RGU2252A-W	KNOB,CH1	1	
36	RGU2252B-W	KNOB,CH2	1	
37	RGU2252C-W	KNOB,CH3	1	
38	RGU2252D-W	KNOB,CH4	1	
39	RGV0324-S	KNOB,TOGGLE SW	4	
40	RHN50002	NUT	4	
41	RHN70005	NUT	2	
42	RHW53001	WASHER	4	
43	RMA1763	ANGLE	3	
44	RMK0589	CHASSIS	1	
45	RMQ1344	SHIELD PLATE	1	
46	RMQ1359	COVER	5	
47	RMS0832	FIXED AXIS	2	
48	RMS0833	GUIDE AXIS	2	
49	RMS0850	FIXED AXIS	1	
50	RMV0278	BARRIER	1	
51	REZ1605	FLAT CABLE(8P)	1	

52	RMQ1278	BRACKET	4	
53	XYN3+C5S	SCREW	8	
54	RMQ1279	BRACKET	1	
55	RMR1397-K	SENSOR P.C.B. BASE	2	
56	XTB3+6F	SCREW	2	
57	SHR411	RIVET	4	
58	XNS9	NUT	25	
59	XSN26+W4FZ	SCREW	21	
60	XTB3+6J	SCREW	18	
61	REZ1663	FLAT CABLE(7P)	1	
62	RHD30116	SCREW	3	
63	RKA0163-K	INSULATOR	4	
64	RKQ0089-4	PCB SUPPORT	2	
65	RKU0085-K	BOTTOM COVER	1	
66	RMV0281	BARRIER	1	
67	RMV0292	COVER	4	
68	RSC0746	SHIELD PLATE	1	
69	XTB3+8J	SCREW	7	
70	SHR301	CLAMPER	13	
71	SNE452S	NUT	6	
72	VMX1430	LOCKING CARD SPACER	2	
73	XTB3+18JFZ	SCREW	2	
74	XTB4+6F	SCREW	4	
75	RYP1219-K	TOP PANEL ASS’Y	1	PPK EGK EBK EPK GNK
75	RYP1219-S	TOP PANEL ASS’Y	1	EGS EBS EPS GNS PPS
76	RYP1222-K	FADER PANEL ASS’Y	1	PPK EGK EBK EPK GNK
76	RYP1222-S	FADER PANEL ASS’Y	1	EGS EBS EPS GNS PPS
77	REZ1654	WIRE(1P)	1	
78	RMA1762	ANGLE(M1/M2)	2	
79	RGQ0381-K	FRONT PANEL	1	
80	RHW1A001	WASHER	1	
81	RMA1761	ANGLE	1	

82	RMF0346	COVER SHEET	1	
83	XNS12FZ	NUT	7	
85	XTB3+4J	SCREW	1	
86	RMZ0339	ZNR COVER	1	
87	RGR0342A-A2	REAR PANEL	1	
88	RMR1597-K	BRACKET	1	
89	RMV0259	BARRIER	1	
91	XTBS3+8JFZ1	SCREW	39	
92	SBCG110B	KNOB	1	
93	SFNZC02M02	CAUTION LABEL	1	PPK PPS
94	SNEG770A	WASHER	6	
96	XSS3+6FZ	SCREW	4	PPK EGK EBK EPK GNK
96	XSS3+6FN	SCREW	4	EGS EBS EPS GNS PPS
98	XYN3+F8	SCREW	6	
99	RMN0799	SHIELD PLATE(SH1/SH2/SH3)	3	
100	RMV0284	SHIELD PLATE(SH4/SH5/SH6)	3	
101	RWZ190UTK070	TUBE	1	
102	RMQ1388	CUSHION	1	
103	RQLS0335	CAUTION LABEL	1	EXCEPT PP
A1	K2CB2CB00006	AC POWER SUPPLY CORD	1	PPK PPS ⚠
A1	RJA0019-2X	AC POWER SUPPLY CORD	1	EGS EGK EPS EPK ⚠
A1	RJA0053-3X	AC POWER SUPPLY CORD	1	EBS EBK ⚠
A1	K2CJ2DA00008	AC POWER SUPPLY CORD	1	GNS GNK ⚠
A2	RQT7230-1Y	O/I BOOK	1	PPK PPS English, Canadian French
A2	RQT7232-1D	O/I BOOK	1	EGS EGK (German), (Italian), (French), (Dutch), (Danish), (Spanish), (Swedish)
A2	RQT7231-1B	O/I BOOK	1	EBS EBK EPS EPK GNS GNK (English)

A2	RQT7233-1Q	O/I BOOK	1	EPS EPK (Polish), (Czech)
C601	F1D1H103A046	50V 0.01U	1	
C602-04	ECA1EAM102XB	25V 1000U	3	
C605	ECA1HAK0R1XB	50V 0.1U	1	
C606-08	ECBA1E223ZF5	25V 0.022U	3	ECBT1E223ZF3
C609	ECQE1104KF	25V 0.1U	1	
C610-12	ECA1EAM101XB	25V 100U	3	
C613	ECA0JAK101XB	6.3V 100U	1	
C614	ECA1VAM222X	35V 2200U	1	
C615	ECA1VAM102X	35V 1000U	1	
C617	ECBA1E223ZF5	25V 0.022U	1	ECBT1E223ZF3
C618,19	ECA1EAM101XB	25V 100U	2	
C621	F1BAF3320028	3300P	1	⚠
C666	ECBA1E223ZF5	25V 0.022U	1	ECBT1E223ZF3
C701,02	F1D1H1040002	50V 0.1U	2	
C901-11	F1D1H1040002	50V 0.1U	11	
C1002	ECA1CAK100XB	16V 10U	1	
C1004	ECJ1VC1H330J	50V 33P	1	
C1005,06	F1D1H1040002	50V 0.1U	2	
C1008,09	ECJ1XC1H101J	50V 100P	2	F1H1H101A004
C1010	ECA1CAK100XB	16V 10U	1	
C1011	ECA1CAK220XB	16V 22U	1	
C1012	ECJ1VC1H330J	50V 33P	1	
C1013-15	ECA1CAK100XB	16V 10U	3	
C1017	ECA1CAK220XB	16V 22U	1	
C1018-21	ECA1CAK100XB	16V 10U	4	
C1022-27	ECA1HAK010XI	50V 1U	6	
C1028	ECJ1VC1H100C	50V 10P	1	
C1031-33	ECJ1VC1H100C	50V 10P	3	
C1034	ECA1CAK100XB	16V 10U	1	
C1035,36	ECA1HAK010XI	50V 1U	2	
C1037	ECJ1VC1H100C	50V 10P	1	

C1041,42	ECA1HAK3R3XB	50V 3.3U	2	
C1043	F1D1H1040002	50V 0.1U	1	
C1061	ECQV1H224JL3	50V 0.22U	1	
C1069	ECQV1H224JL3	50V 0.22U	1	
C1071	ECQV1H224JL3	50V 0.22U	1	
C1075	ECQV1H224JL3	50V 0.22U	1	
C1077	ECQV1H224JL3	50V 0.22U	1	
C1082	ECQV1H224JL3	50V 0.22U	1	
C1101	ECA1HAK2R2XB	50V 2.2U	1	
C1103,04	ECA1HAK2R2XB	50V 2.2U	2	
C1106,07	ECA1HAK2R2XB	50V 2.2U	2	
C1109	ECA1HAK2R2XB	50V 2.2U	1	
C1116	ECJ1XC1H101J	50V 100P	1	F1H1H101A004
C1124-26	ECQB1H682JF	50V 6800P	3	
C1128-31	ECQB1H682JF	50V 6800P	4	
C1132-34	ECQV1H154JM	50V 0.15U	3	
C1138	ECQB1H682JF	50V 6800P	1	
C1139-41	ECQV1H154JM	50V 0.15U	3	
C1145	ECQV1H154JM	50V 0.15U	1	
C1147	ECQV1H154JM	50V 0.15U	1	
C1149,50	ECQV1H104JL	50V 0.1U	2	
C1151-56	ECQB1H153JF3	50V 0.015U	6	
C1157,58	ECQV1H104JL	50V 0.1U	2	
C1159,60	ECQB1H153JF3	50V 0.015U	2	
C1161-67	ECQB1H681JF3	50V 680P	7	
C1168-70	ECJ1XC1H101J	50V 100P	3	F1H1H101A004
C1171	ECQB1H681JF3	50V 680P	1	
C1172-76	ECJ1XC1H101J	50V 100P	5	F1H1H101A004
C1177-84	ECA1CAK101XB	16V 100U	8	
C1185-90	ECQV1H104JL	50V 0.1U	6	
C1191	F1D1H1040002	50V 0.1U	1	
C1192,93	ECBT1H331KB3	50V 330P	2	
C1194	F1D1H1040002	50V 0.1U	1	
C1195-97	ECJ1VC1H100C	50V 10P	3	

C1198	F1D1H1040002	50V 0.1U	1	
C1201	ECA1HAK010XI	50V 1U	1	
C1202-47	F1D1H1040002	50V 0.1U	46	
C1248,49	ECJ1VC1H331J	50V 330P	2	
C1255-62	ECJ1VB1H272K	50V 2700P	8	
C1263,64	ECQV1H224JL3	50V 0.22U	2	
C1265	ECQB1H681JF3	50V 680P	1	
C1266	ECQB1H153JF3	50V 0.015U	1	
C1267	ECQB1H473JF3	50V 0.047U	1	
C1268-70	ECA1HAK2R2XB	50V 2.2U	3	
C1271,72	ECQV1H104JL	50V 0.1U	2	
C1273,74	ECJ1VC1H330J	50V 33P	2	
C1275-92	ECJ1VF1H104Z	50V 0.1U	18	
C2006	ECA1CAK101XB	16V 100U	1	
C2007	F1D1H1040002	50V 0.1U	1	
C2008	ECEA1CKN100	16V 10U	1	
C2019,20	ECA1CAK100XB	16V 10U	2	
C2021-24	F1D1H1040002	50V 0.1U	4	
C2025-32	ECA1HAK010XI	50V 1U	8	
C2033-40	ECBT1H104ZF5	50V 0.1U	8	F1E1H104A001
C2049,50	ECBT1H104ZF5	50V 0.1U	2	F1E1H104A001
C2051-54	ECBA1H681KB5	50V 680P	4	F1D1H681A014
C2055-57	ECBT1H104ZF5	50V 0.1U	3	F1E1H104A001
C2058,59	ECBT1H221KB3	50V 220P	2	
C2060	ECBT1H104ZF5	50V 0.1U	1	F1E1H104A001
C2061,62	ECA1HAK3R3XB	50V 3.3U	2	
C2063	ECBT1H104ZF5	50V 0.1U	1	F1E1H104A001
C2068-71	ECBT1H104ZF5	50V 0.1U	4	F1E1H104A001
C2072	ECBT1H331KB3	50V 330P	1	
C2073	ECBT1H330J5	50V 33P	1	F1D1H330A006
C2074,75	ECBT1H331KB3	50V 330P	2	
C2076	ECBT1H330J5	50V 33P	1	F1D1H330A006
C2077,78	ECBT1H104ZF5	50V 0.1U	2	F1E1H104A001
C2079	ECBT1H331KB3	50V 330P	1	

C2080	ECA1HAK3R3XB	50V 3.3U	1	
C2081	ECBT1H104ZF5	50V 0.1U	1	F1E1H104A001
C2083	ECA1HAK3R3XB	50V 3.3U	1	
C2089,90	ECBA1H470J5	50V 47P	2	
C2093	ECBA1H470J5	50V 47P	1	
C2096	ECBA1H470J5	50V 47P	1	
C2106-11	ECA1CAK100XB	16V 10U	6	
C2112,13	F1D1H1040002	50V 0.1U	2	
C2116,17	ECA1CAK100XB	16V 10U	2	
C2118,19	ECBT1H330J5	50V 33P	2	F1D1H330A006
C2120-23	ECBA1H101KB5	50V 100P	4	
C2124-26	ECBT1H104ZF5	50V 0.1U	3	F1E1H104A001
C2128	ECBT1H104ZF5	50V 0.1U	1	F1E1H104A001
C2133,34	ECBT1H104ZF5	50V 0.1U	2	F1E1H104A001
C2135	ECBT1H151KB5	50V 150P	1	F1D1H151A012
C2136,37	ECBT1H104ZF5	50V 0.1U	2	F1E1H104A001
C2138	ECBT1H151KB5	50V 150P	1	F1D1H151A012
C2139-41	ECBA1H101KB5	50V 100P	3	
C2143	ECBA1H101KB5	50V 100P	1	
C2144	ECBT1H330J5	50V 33P	1	F1D1H330A006
C2145	ECA1HAK010XI	50V 1U	1	
C2146-48	ECBT1H330J5	50V 33P	3	F1D1H330A006
C2149	ECBT1H104ZF5	50V 0.1U	1	F1E1H104A001
C2152,53	ECBT1H151KB5	50V 150P	2	F1D1H151A012
C2155	ECBT1H151KB5	50V 150P	1	F1D1H151A012
C2159	ECBT1H151KB5	50V 150P	1	F1D1H151A012
C2162,63	ECA1CAK470XB	16V 47U	2	
C2166,67	ECBT1H104ZF5	50V 0.1U	2	F1E1H104A001
C2168	ECA1CAK101XB	16V 100U	1	
C2169-71	ECA1HAK010XI	50V 1U	3	
C2177-81	ECBT1C222MR5	16V 2200P	5	F1D1C222A002
C2183	ECBT1H104ZF5	50V 0.1U	1	F1E1H104A001
C2184	ECA1HAK3R3XB	50V 3.3U	1	
C2185	F1D1H222A046	50V 2200P	1	

C2186,87	ECA1HAK3R3XB	50V 3.3U	2	
C2188	ECBT1H104ZF5	50V 0.1U	1	F1E1H104A001
C2189,90	ECBT1H102KB3	50V 1000P	2	
C2191	ECBT1H104ZF5	50V 0.1U	1	F1E1H104A001
C2192	ECA1CAK100XB	16V 10U	1	
C2193-98	F1D1H1040002	50V 0.1U	6	
C2199,00	ECA1CAK101XB	16V 100U	2	
C2201,02	ECA1HAK3R3XB	50V 3.3U	2	
C2203,04	ECA1CAK101XB	16V 100U	2	
C2205	ECBT1H104ZF5	50V 0.1U	1	F1E1H104A001
C2207-12	ECBT1H104ZF5	50V 0.1U	6	F1E1H104A001
C2213,14	ECBT1H102KB3	50V 1000P	2	
C2215-18	ECBT1H104ZF5	50V 0.1U	4	F1E1H104A001
C2219-24	ECBT1H102KB3	50V 1000P	6	
C2225,26	F1D1H1040002	50V 0.1U	2	
C2227	ECBT1H104ZF5	50V 0.1U	1	F1E1H104A001
C2228	ECBT1H102KB3	50V 1000P	1	
C2229,30	ECBT1H331KB3	50V 330P	2	
C2231,32	F1D1H1040002	50V 0.1U	2	
C2233,34	ECA1CAK100XB	16V 10U	2	
C2235,36	F1D1H1040002	50V 0.1U	2	
C2237,38	ECJ1VF1H104Z	50V 0.1U	2	
C2239,40	ECA1CAK100XB	16V 10U	2	
C2242	F1D1H680A006	50V 68P	1	
C2440,41	F1D1H680A006	50V 68P	2	
C2443-47	F1D1H680A006	50V 68P	5	
C2448,49	ECA1HAK010XI	50V 1U	2	
C2451	ECA1HAK3R3XB	50V 3.3U	1	
C2452,53	F1D1H1040002	50V 0.1U	2	
C2454-57	ECA1CAK470XB	16V 47U	4	
C3001	ECJ1VB1H102K	50V 1000P	1	
C3002-07	ECJ1VC1H181J	50V 180P	6	
C3008	ECJ1VB1H102K	50V 1000P	1	
C3010-17	ECJ1VC1H181J	50V 180P	8	

C3019-21	ECJ1VF1H104Z	50V 0.1U	3	
C3022,23	ECJ1VB1H472K	50V 4700P	2	
C3024	ECA1CAK220XB	16V 22U	1	
C3025-32	ECA1HAK3R3XB	50V 3.3U	8	
C3033	ECA1CAK220XB	16V 22U	1	
C3034-40	ECA1HAK3R3XB	50V 3.3U	7	
C3041,42	ECA1CAK100XB	16V 10U	2	
C3043-48	ECA1CAK470XB	16V 47U	6	
C3051,52	ECA1CAK100XB	16V 10U	2	
C3053-60	ECJ1VF1H104Z	50V 0.1U	8	
C3061-63	ECJ1VC1H391J	50V 390P	3	
C3066-68	ECJ1VC1H391J	50V 390P	3	
C3069,70	ECJ1VF1H104Z	50V 0.1U	2	
C3072	ECJ1VC1H181J	50V 180P	1	
C3073,74	ECJ1VF1H104Z	50V 0.1U	2	
C3076-78	ECQB1H562JF	50V 5600P	3	
C3079	ECJ1VC1H181J	50V 180P	1	
C3080	ECJ1XC1H331J	50V 330P	1	F1H1H331A004
C3083-85	ECQB1H562JF	50V 5600P	3	
C3086	ECJ1XC1H331J	50V 330P	1	F1H1H331A004
C3088	ECJ1XC1H331J	50V 330P	1	F1H1H331A004
C3089,90	ECQB1H223JF	50V 0.022U	2	
C3091	ECJ1XC1H331J	50V 330P	1	F1H1H331A004
C3094-96	ECQB1H223JF	50V 0.022U	3	
C3097,98	ECA1HAK3R3XB	50V 3.3U	2	
C3107-12	ECA1CAK100XB	16V 10U	6	
C3123	ECJ1VB1A224K	10V 0.22U	1	
C3124	ECJ1VF1H104Z	50V 0.1U	1	
C3128	ECJ1VC1H150J	50V 15P	1	
C3129	ECJ1VC1H270J	50V 27P	1	
C3140,41	ECJ1VF1H104Z	50V 0.1U	2	
C3142,43	ECJ1VC1H391J	50V 390P	2	
C3144,45	ECJ1VF1H104Z	50V 0.1U	2	
C3159,60	ECJ1VC1H181J	50V 180P	2	

C3161	ECQB1H223JF	50V 0.022U	1	
C3162	ECA1HAK3R3XB	50V 3.3U	1	
C3163-93	ECJ1VF1H104Z	50V 0.1U	31	
C3194,95	ECJ1VC1H391J	50V 390P	2	
C3196,97	ECJ1VF1H104Z	50V 0.1U	2	
C3198,99	ECJ1VC1H391J	50V 390P	2	
C3200-03	ECJ1VB1H103K	50V 0.01U	4	
C3204	ECA1CAK100XB	16V 10U	1	
C3205,06	ECJ1VC1H391J	50V 390P	2	
C3207,08	ECJ1VF1H104Z	50V 0.1U	2	
C3211-17	ECJ1VB1H102K	50V 1000P	7	
C3500	ECJ1VF1H104Z	50V 0.1U	1	
C3501,02	EEEHB1C100R	16V 10U	2	
C3503,04	ECJ1VC1H471J	50V 470P	2	
C3505	EEEHB1E4R7R	25V 4.7U	1	
C3506	EEEHB1C100R	16V 10U	1	
C3507,08	ECJ1VF1H104Z	50V 0.1U	2	
C3509,10	ECJ1XC1H220J	50V 22P	2	
C3513	EEEHB1C100R	16V 10U	1	
C3514	ECJ1VF1H104Z	50V 0.1U	1	
C3515,16	EEEHB1C100R	16V 10U	2	
C3517	ECJ1VF1H104Z	50V 0.1U	1	
C3518	ECJ1VB0J474K	6.3V 0.47U	1	
C3519,20	ECJ1VF1H104Z	50V 0.1U	2	
C3521,22	ECJ1VB0J474K	6.3V 0.47U	2	
C3523,24	ECJ1VC1H050C	50V 5P	2	
C3528	ECJ1VF1H104Z	50V 0.1U	1	
C3529	EEEHB1C100R	16V 10U	1	
C3530	ECJ1VF1H104Z	50V 0.1U	1	
C3531	EEEHB1C100R	16V 10U	1	
C3532,33	ECJ1VF1H104Z	50V 0.1U	2	
C3534,35	EEEHB1C100R	16V 10U	2	
C3536	ECJ1VF1H104Z	50V 0.1U	1	
C3537	EEEHB1C100R	16V 10U	1	

C3538	ECJ1VF1H104Z	50V 0.1U	1	
C3539	EEEHB1C100R	16V 10U	1	
C3540-46	ECJ1VF1H104Z	50V 0.1U	7	
C3547-49	EEEHB1C100R	16V 10U	3	
C3550-52	ECJ1VF1H104Z	50V 0.1U	3	
C3554	EEEHB1C100R	16V 10U	1	
C3555	ECJ1VF1H104Z	50V 0.1U	1	
C3556,57	EEE1HA010SR	50V 1U	2	
C3558	ECJ1VF1H104Z	50V 0.1U	1	
C3559	EEE1CA101WP	16V 100U	1	
C3560	EEE1HA010SR	50V 1U	1	
C3561	ECJ1XC1H331J	50V 330P	1	F1H1H331A004
C3562	EEE1CA101WP	16V 100U	1	
C3563	EEE1HA010SR	50V 1U	1	
C3564,65	ECJ1VF1H104Z	50V 0.1U	2	
C3566	ECJ1XC1H220J	50V 22P	1	
C3567	ECJ1VF1H104Z	50V 0.1U	1	
C3568-70	ECJ1XC1H220J	50V 22P	3	
C3571	ECJ1VF1H104Z	50V 0.1U	1	
C3572,73	ECJ1XB1C104K	16V 0.1U	2	
C3574,75	ECJ1VF1H104Z	50V 0.1U	2	
C3576-78	EEEHB1C100R	16V 10U	3	
C3579,80	ECJ1VF1H104Z	50V 0.1U	2	
CN601	K1KA09A00052	CONNECTOR(9P)	1	
CN602	K1KA02A00104	CONNECTOR(3P)	1	
CN603A	TJS1A8840	PLUG(8P)	1	K1KA08A00221
CN604B	RJP1A4204	PLUG(3P)	1	K1KA02A00112
CN604A	TJS5A8100	PLUG(4P)	1	K1KA02B00052
CN606	K1KA07B00027	CONNECTOR(7P)	1	
CN701	RJS5T7ZA	SOCKET(5P)	1	K1MP05B00004
CN702	RJS4T7ZA	CONNECTOR(4P)	1	K1MP04B00005
CN1001	RJS11T7ZA	SOCKET(11P)	1	K1MN11B00028
CN1002	RJS9T7ZA	CONNECTOR(9P)	1	K1MP09B00004

CN1003A	K1MN13B00039	CONNECTOR(13P)	1	
CN1003B	K1MN13B00039	CONNECTOR(13P)	1	
CN1004A	RJS2A7711	CONNECTOR(11P)	1	K1MN11B00065
CN1004B	RJS2A7711	CONNECTOR(11P)	1	K1MN11B00065
CN2001A	K1MN13B00039	CONNECTOR(13P)	1	
CN2001B	K1MN13B00039	CONNECTOR(13P)	1	
CN2002B	RJS2A5621	CONNECTOR(21P)	1	K1MN21A00008
CN2003	RJS9T7ZA	CONNECTOR(9P)	1	K1MP09B00004
CN2004	K1MP08B00001	CONNECTOR(8P)	1	
CN2005	RJS10T7ZA	SOCKET(10P)	1	K1MP10B00007
CN2006	RJS5T7ZA	SOCKET(5P)	1	K1MP05B00004
CN2010	RJS4T7ZA	CONNECTOR(4P)	1	K1MP04B00005
CN3001A	K1MN09B00076	CONNECTOR1PIECE(9P)	1	
CN3001B	K1MN09B00076	CONNECTOR1PIECE(9P)	1	
CN3002A	K1MN15B00057	CONNECTOR(15P)	1	
CN3002B	K1MN15B00057	CONNECTOR(15P)	1	
CN3003A	K1MN23B00029	CONNECTOR(23P)	1	
CN3003B	K1MN23B00029	CONNECTOR(23P)	1	
CN3004A	K1MN27B00019	CONNECTOR(27P)	1	
CN3004B	K1MN27B00019	CONNECTOR(27P)	1	
CN3006A	K1KA03A00213	PLUG(3P)	1	
CN3006D	K1KA03A00213	PLUG(3P)	1	
CN3006E	K1KA03A00213	PLUG(3P)	1	
CN3006C	K1KA03A00213	PLUG(3P)	1	
CN3006B	K1KA03A00213	PLUG(3P)	1	
CN3006	K1KA15B00031	CONNECTOR(15P)	1	
CN3008	RJP8G17ZA	CONNECTOR(8P)	1	K1KA08B00161
CN3017	RJT068W06H	CONECTER 6P	1	K1KA06B00120
CN3500	VJS3913B021	SOCKET(21P)	1	K1MN21B00044
D504-06	LNV112106	LED	3	
D601-17	B0EAKM000117	DIODE	17	
D618	MAZ40560MF	DIODE	1	
D619	B0EAKM000117	DIODE	1	

D620	ERZV10V511CS	ZNR	1	⚠
D701	LN850RPLS	LED	1	
D1001-04	B3ADA0000148	LED	4	
D1005	MA2C16500E	DIODE	1	
D1006	B3ADA0000148	LED	1	
D2001-03	MA2C16500E	DIODE	3	
D2004-09	B3AAA0000530	LED	6	
D2010	AK03WK	DIODE	1	B0JAMD000005
D2011	MA4120M	DIODE	1	MAZ41200M
D2104-06	MA2C16500E	DIODE	3	
D2108,09	MA2C16500E	DIODE	2	
D3001	MA2J11100L	DIODE	1	
D3500-03	MA2J72800L	DIODE	4	
F601	XBA1C05NB5	FUSE	1	K5D501AQ0001 PPK PPS ⚠
F601	XBA2C025TB0	FUSE	1	K5D251BL0002 EXCEPT PP ⚠ ;
F602	K5D162AQ0004	FUSE	1	PPK PPS ⚠
F602	K5D162BK0005	FUSE	1	EXCEPT PP ⚠
IC102	NJM4580DD	IC	1	C0AABB000086
IC103,04	UPC4570C	IC	2	C0AABB000016
IC501	NJM4580DD	IC	1	C0AABB000086
IC601	UPC78N12H	IC	1	C0CAAKD00001
IC603	NJM78M05FA	IC	1	C0CAADE00007
IC604	C0CAALE00002	IC	1	
IC605	C0CABLE00001	IC	1	
IC801,02	B3NAA0000044	PHOTO INTERRUPTER	2	
IC902	NJM78M05FA	IC	1	C0CAADE00007
IC1002,03	C0JBAS000035	IC	2	
IC1004	NJM4580MTE1	IC	1	C0ABBB000127
IC1005,06	C0JBAS000035	IC	2	
IC1007-12	NJM4580MTE1	IC	6	C0ABBB000127
IC1014	NJM4580MTE1	IC	1	C0ABBB000127
IC1016	NJM4580MTE1	IC	1	C0ABBB000127

IC1018	NJM4580MTE1	IC	1	C0ABBB000127
IC1020	NJM4580MTE1	IC	1	C0ABBB000127
IC1022	NJM4580MTE1	IC	1	C0ABBB000127
IC1024	NJM4580MTE1	IC	1	C0ABBB000127
IC1026-33	NJM4580MTE1	IC	8	C0ABBB000127
IC1034	C0JBAC000280	IC	1	
IC1035	C0JBAS000035	IC	1	
IC1036	C0JBBF000053	IC	1	
IC1037	C0JBAS000035	IC	1	
IC1038,39	C0JBBF000053	IC	2	
IC1040	C0JBAS000035	IC	1	
IC1041-45	NJM4580MTE1	IC	5	C0ABBB000127
IC2001-04	M5207L05	IC	4	C1AB00000743
IC2005-10	C0JAAS000020	IC	6	
IC2011,12	UPC4570C	IC	2	C0AABB000016
IC2013,14	C0AABB000054	IC	2	
IC2015-22	UPC4570C	IC	8	C0AABB000016
IC2024,25	UPC4570C	IC	2	C0AABB000016
IC2027-29	UPC4570C	IC	3	C0AABB000016
IC2030-32	BA682A	IC	3	C0HAZ0000042
IC2033	UPC4570C	IC	1	C0AABB000016
IC2034	C0DAZDC00001	IC	1	
IC2035	TC74HCU04AP	IC	1	C0JAAB000080
IC2036	UPC4570C	IC	1	C0AABB000016
IC2101	NJM4580MTE1	IC	1	C0ABBB000127
IC3001-04	NJM4580DD	IC	4	C0AABB000086
IC3009	C0EBG0000121	IC	1	
IC3012	C2CBJH000088	IC	1	
IC3020-23	NJM4580DD	IC	4	C0AABB000086
IC3024	AN6914	IC	1	
IC3025	NJM4580DD	IC	1	C0AABB000086
IC3501-03	C1BB00000692	IC	3	
IC3504	C0FBAK000008	IC	1	
IC3505,06	PCM1716ET2	IC	2	C0FBBK000009

IC3507	C0JBAA000345	IC	1	C0JBAA000115
IC3508,09	M5218AFPE3	IC	2	C0ABBB000163
IC3510	C0CBCBE00003	IC	1	
IC3511	C0EBE0000274	IC	1	
IC3512	C0EBG0000121	IC	1	
J701	RJS2A1305	CABLE HOLDER	1	K1YF05000001
J702	RJS2A1304	CABLE HOLDER	1	K1ZZ00000832
J1001	RJS2A1311	CABLE HOLDER	1	K1YF11000001
J1002	RJS2A1309	CABLE HOLDER	1	K1YA09000001
J2003	RJS2A1309	CABLE HOLDER	1	K1YA09000001
J2004	RJS2A1308	CABLE HOLDER	1	K1YF08000002
J2005	RJS2A1310	CABLE HOLDER	1	K1YF10000002
J2006	RJS2A1305	CABLE HOLDER	1	K1YF05000001
J2010	RJS2A1304	CABLE HOLDER	1	K1ZZ00000832
JK601	K2AA2B000002	JACK,AC INLET	1	EXCEPT PP
JK601	SJSD16-1	JACK,AC INLET	1	K2AB2K000003 PPK PPS ;
JK2001,02	RJJ33T01	JACK,PLAYER CONTROL	2	K2HC103B0088
JK2003	K2HA102B0076	JACK,DIGITAL IN	1	
JK2004,05	VJJ0360	JACK,EFFECT SEND	2	K2HB102J0036
JK2006,07	K1CA103B0004	JACK,MASTER OUT 1	2	
JK2008	RJJ63TA01	JACK,PHONES	1	K2HB103J0064
JK2009	K2HA816B0006	JACK,OUTPUT TERMINAL	1	
JK2013,14	K2HA102B0076	JACK,DIGITAL IN/OUT	2	
JK3001,02	K2HA406B0024	JACK,INPUT TERMINAL	2	
JK3003	K2HA407B0005	JACK,INPUT TERMINAL	1	
JK3004-07	VJJ0360	JACK,INPUT TERMINAL	4	K2HB102J0036
JK3008	K2HA406B0024	JACK,INPUT TERMINAL	1	
KIT1	REP3742A-ST	CROSS FADER VR ASS’Y	1	
KIT2	REP3743A-ST	CHANNEL FADER VR ASS’Y	1	
L601	G0B123E00001	COIL	1	

L2001	G4B1B0000005	TRANSFORMER	1	
L2002-08	G0ZZ00002172	COIL	7	
L2010,11	G0B150A00003	COIL	2	
L2012	RLQZP1R0KT-Y	COIL	1	G0C1R0KA0029
L2013,14	G0ZZ00002172	COIL	2	
L2015	G0A200D00002	COIL	1	G0A100G00005
L3001-10	G0ZZ00002172	COIL	10	
L3500,01	VLQ0911K100	COIL	2	G1C100K00019
L3503,04	VLQ0911K100	COIL	2	G1C100K00019
P1	RPG6737	PACKING CASE	1	PPS
P1	RPG6738	PACKING CASE	1	PPK
P1	RPG6739	PACKING CASE	1	EGS,EPS
P1	RPG6740	PACKING CASE	1	EGK,EPK
P1	RPG6743	PACKING CASE	1	EBS
P1	RPG6744	PACKING CASE	1	EBK
P1	RPG6745	PACKING CASE	1	GNS
P1	RPG6746	PACKING CASE	1	GNK
P2	RPN1648	CUSHION	2	
P3	SPP756-1	PROTECTION BAG(UNIT)	1	
P4	RPF0378	PROTECTION BAG	1	
P5	XZB10X30C03Z	PROTECTION BAG(AC CORD)	1	
P6	RPQ1666	PAD	1	EBS EBK GNS GNK
PCB1	REP3784AA-S	INPUT P.C.B. ASS’Y	1	[RTL]
PCB2	REP3784AB-S	HP P.C.B. ASS’Y	1	[RTL]
PCB3	REP3784AC-S	FRONT SW P.C.B. ASS’Y	1	[RTL]
PCB4	REP3786AA-S	OUTPUT P.C.B. ASS’Y	1	[RTL]PPK PPS
PCB4	REP3786CA-S	OUTPUT P.C.B. ASS’Y	1	[RTL]EXCEPT PP
PCB5	REP3786BB-S	POWER SW P.C.B. ASS’Y	1	[RTL]PPK PPS
PCB5	REP3786CB-S	POWER SW P.C.B. ASS’Y	1	[RTL]EXCEPT PP
PCB6	RFKBMZ2822AA	EQ P.C.B. ASS’Y	1	[RTL]
PCB7	REP3787AB-S	POWER SOURCE PCB ASS’Y	1	[RTL]PPK PPS
PCB7	REP3787BB-S	POWER SOURCE PCB ASS’Y	1	[RTL]EXCEPT PP

PCB8	REP3787AC-S	SUB POWER PCB ASS'Y	1	[RTL]PPK PPS
PCB8	REP3787BC-S	SUB POWER PCB ASS'Y	1	[RTL]EXCEPT PP
PCB9	RFKBMZ2822AD	MONITOR VR P.C.B. ASS'Y	1	[RTL]
PCB10	RFKBMZ2822AB	LED P.C.B. ASS'Y	1	[RTL]
PCB11	RFKBMZ2822AF	MASTER VR P.C.B. ASS'Y	1	[RTL]
PCB12	RFKBMZ2822AC	ASSIGN P.C.B. ASS'Y	1	[RTL]
PCB13	RFKBMZ2968A	SUB P.C.B. ASS'Y	1	[RTL]
PCB14	REP3855A-S	PHOTO INTERRUP.PCB ASS'Y	1	[RTL]
PCB15	REP3742A-ST	CROSS FADER VR ASS'Y	1	
PCB16	REP3743A-ST	CHANNEL FADER VR ASS'Y	1	
PT601	G4C7ABD00003	POWER TRANSFORMER	1	PPK PPS ⚠
PT601	G4C7ACH00004	POWER TRANSFORMER	1	EXCEPT PP ⚠
Q602,03	B1ABGC000001	TRANSISTOR	2	
Q604	2SD1858	TRANSISTOR	1	B1BABD000001
Q605	B1ABGC000001	TRANSISTOR	1	
Q606,07	B1ADCF000063	TRANSISTOR	2	
Q1001-05	DTC114YUA106	TRANSISTOR	5	B1GBCFJN0009
Q2004-21	2SC3327A	TRANSISTOR	18	
Q2022-27	2SJ498CDTA	TRANSISTOR	6	B1DEDQ000004
Q2028-31	2SC3327A	TRANSISTOR	4	
Q3001,02	B1ABGC000001	TRANSISTOR	2	
Q3501,02	UN5211	TRANSISTOR	2	UNR5211
R553	ERDS2FJ224	1/4W 220K	1	
R601	ERDS2FJ101	1/4W 100	1	
R602	ERJ3GEYJ473V	1/10W 47K	1	D0GB473JA002
R603	ERJ3GEYJ103V	1/10W 10K	1	D0GB103JA002
R604	ERJ3GEYJ104	1/10W 100K	1	
R605	ERJ3GEYJ682V	1/10W 6.8K	1	D0GB682JA002
R606	ERDS2FJ153	1/4W 15K	1	
R607	ERDS2FJ104	1/4W 100K	1	
R608	ERC12UGK335D	1/2W 3.3M	1	

R609	ERDS2TJ682	1/4W 6.8K	1	
R610	ERJ3GEYJ222V	1/10W 2.2K	1	
R611-13	ERJ3GEYJ102V	1/10W 1K	3	
R701,02	ERDS2FJ272	1/4W 2.7K	2	
R703,04	ERDS2FJ222	1/4W 2.2K	2	
R705	ERDS2FJ152	1/4W 1.5K	1	
R706	ERDS2FJ153	1/4W 15K	1	
R707	ERDS2FJ152	1/4W 1.5K	1	
R708	ERDS2FJ153	1/4W 15K	1	
R709,10	ERDS2FJ681	1/4W 680	2	
R901-10	ERDS2FJ153	1/4W 15K	10	
R1002,03	ERJ3GEYJ203	1/10W 20K	2	
R1005	ERJ3GEYJ822V	1/10W 8.2K	1	D0GB822JA002
R1009,10	ERJ3GEYJ223V	1/10W 22K	2	D0GB223JA002
R1011	ERJ3GEYJ103V	1/10W 10K	1	D0GB103JA002
R1014-20	ERJ3GEYJ103V	1/10W 10K	7	D0GB103JA002
R1022-30	ERJ3GEYJ103V	1/10W 10K	9	D0GB103JA002
R1031-33	ERJ3GEYJ224V	1/10W 220K	3	D0GB224JA002
R1034	ERJ3GEYJ103V	1/10W 10K	1	D0GB103JA002
R1035-38	ERJ3GEYJ224V	1/10W 220K	4	D0GB224JA002
R1039,40	ERJ3GEYJ182V	1/10W 1.8K	2	
R1041	ERJ3GEYJ224V	1/10W 220K	1	D0GB224JA002
R1042,43	ERJ3GEYJ563V	1/10W 56K	2	
R1045-50	ERJ3GEYJ103V	1/10W 10K	6	D0GB103JA002
R1052,53	ERJ3GEYJ103V	1/10W 10K	2	D0GB103JA002
R1058-60	ERJ3GEYJ471V	1/10W 470	3	
R1064	ERJ3GEYJ471V	1/10W 470	1	
R1065	ERJ3GEYJ473V	1/10W 47K	1	D0GB473JA002
R1066	ERJ3GEYJ471V	1/10W 470	1	
R1067	ERJ3GEYJ473V	1/10W 47K	1	D0GB473JA002
R1068	ERJ3GEYJ471V	1/10W 470	1	
R1069	ERJ3GEYJ473V	1/10W 47K	1	D0GB473JA002
R1074	ERJ3GEYJ473V	1/10W 47K	1	D0GB473JA002
R1076	ERJ3GEYJ473V	1/10W 47K	1	D0GB473JA002

R1078	ERJ3GEYJ473V	1/10W 47K	1	D0GB473JA002
R1106	ERJ3GEYJ103V	1/10W 10K	1	D0GB103JA002
R1115-19	ERJ3GEYJ473V	1/10W 47K	5	D0GB473JA002
R1122	ERJ3GEYJ473V	1/10W 47K	1	D0GB473JA002
R1124	ERJ3GEYJ471V	1/10W 470	1	
R1126	ERJ3GEYJ471V	1/10W 470	1	
R1127	ERJ3GEYJ473V	1/10W 47K	1	D0GB473JA002
R1129	ERJ3GEYJ471V	1/10W 470	1	
R1131	ERJ3GEYJ471V	1/10W 470	1	
R1133	ERJ3GEYJ471V	1/10W 470	1	
R1135	ERJ3GEYJ471V	1/10W 470	1	
R1137	ERJ3GEYJ471V	1/10W 470	1	
R1138	ERJ3GEYJ473V	1/10W 47K	1	D0GB473JA002
R1139,40	ERJ3GEYJ151V	1/10W 150	2	
R1142	ERJ3GEYJ471V	1/10W 470	1	
R1155,56	ERJ3GEYJ102V	1/10W 1K	2	
R1157,58	ERJ3GEYJ151V	1/10W 150	2	
R1159-64	ERJ3GEYJ473V	1/10W 47K	6	D0GB473JA002
R1169,70	ERJ3GEYJ473V	1/10W 47K	2	D0GB473JA002
R1171,72	ERJ3GEYD153V	1/10W 15K	2	D0HB153ZA002
R1173	ERJ3GEYJ471V	1/10W 470	1	
R1174	ERJ3GEYD153V	1/10W 15K	1	D0HB153ZA002
R1175	ERJ3GEYJ471V	1/10W 470	1	
R1176,77	ERJ3GEYJ102V	1/10W 1K	2	
R1178	ERJ3GEYD153V	1/10W 15K	1	D0HB153ZA002
R1179,80	ERJ3GEYJ471V	1/10W 470	2	
R1181	ERJ3GEYD153V	1/10W 15K	1	D0HB153ZA002
R1182	ERJ3GEYJ471V	1/10W 470	1	
R1183	ERJ3GEYD153V	1/10W 15K	1	D0HB153ZA002
R1184	ERJ3GEYJ471V	1/10W 470	1	
R1185	ERJ3GEYD153V	1/10W 15K	1	D0HB153ZA002
R1186	ERJ3GEYJ471V	1/10W 470	1	
R1187	ERJ3GEYD153V	1/10W 15K	1	D0HB153ZA002
R1188	ERJ3GEYJ471V	1/10W 470	1	

R1189	ERJ3GEYJ103V	1/10W 10K	1	D0GB103JA002
R1190	ERJ3GEYJ151V	1/10W 150	1	
R1191-93	ERJ3GEYD153V	1/10W 15K	3	D0HB153ZA002
R1194	ERJ3GEYJ102V	1/10W 1K	1	
R1196	ERJ3GEYD153V	1/10W 15K	1	D0HB153ZA002
R1198	ERJ3GEYD153V	1/10W 15K	1	D0HB153ZA002
R1199-08	ERJ3GEYJ472V	1/10W 4.7K	10	
R1209,10	ERJ3GEYJ102V	1/10W 1K	2	
R1213,14	ERJ3GEYJ472V	1/10W 4.7K	2	
R1223-27	ERJ3GEYJ332V	1/10W 3.3K	5	D0GB332JA002
R1228	ERJ3GEYJ103V	1/10W 10K	1	D0GB103JA002
R1229	ERJ3GEYJ473V	1/10W 47K	1	D0GB473JA002
R1230,31	ERJ3GEYJ182V	1/10W 1.8K	2	
R1232,33	ERJ3GEYJ473V	1/10W 47K	2	D0GB473JA002
R1234,35	ERJ3GEYJ471V	1/10W 470	2	
R1236-57	ERJ3GEYJ182V	1/10W 1.8K	22	
R1258	ERJ3GEYJ473V	1/10W 47K	1	D0GB473JA002
R1259,60	ERJ3GEYJ471V	1/10W 470	2	
R1261-64	ERJ3GEYJ472V	1/10W 4.7K	4	
R1265	ERJ3GEYJ471V	1/10W 470	1	
R1268-75	ERJ3GEYJ821V	1/10W 820	8	
R1276-80	ERJ3GEYJ103V	1/10W 10K	5	D0GB103JA002
R1282-85	ERJ3GEYJ103V	1/10W 10K	4	D0GB103JA002
R1881	ERJ3GEYJ103V	1/10W 10K	1	D0GB103JA002
R1882,83	ERJ3GEYJ563V	1/10W 56K	2	
R1884-91	ERJ3GEYJ472V	1/10W 4.7K	8	
R1892	ERJ3GEY0R00V	1/10W 0	1	
R2001	ERDS2FJ820	1/4W 82	1	
R2003	ERDS2FJ820	1/4W 82	1	
R2005	ERDS2FJ820	1/4W 82	1	
R2010,11	ERDS2FJ151	1/4W 150	2	
R2012-23	ERDS2FJ103	1/4W 10K	12	
R2024-31	ERDS2FJ473	1/4W 47K	8	
R2032-39	ERDS2FJ273	1/4W 27K	8	

R2040-47	ERDS2FJ272	1/4W 2.7K	8	
R2048	ERDS2FJ821	1/4W 820	1	
R2050	ERDS2FJ821	1/4W 820	1	
R2052,53	ERDS2FJ821	1/4W 820	2	
R2054	ERDS2FJ272	1/4W 2.7K	1	
R2056,57	ERDS2FJ272	1/4W 2.7K	2	
R2058,59	ERDS2FJ821	1/4W 820	2	
R2060-62	ERDS2FJ272	1/4W 2.7K	3	
R2063,64	ERDS2FJ821	1/4W 820	2	
R2065	ERDS2FJ272	1/4W 2.7K	1	
R2066	ERDS2FJ333	1/4W 33K	1	
R2067	ERDS2FJ272	1/4W 2.7K	1	
R2068	ERDS2FJ333	1/4W 33K	1	
R2069-72	ERDS2FJ472	1/4W 4.7K	4	
R2074-77	ERDS2FJ472	1/4W 4.7K	4	
R2078,79	ERDS2FJ152	1/4W 1.5K	2	
R2080,81	ERDS2FJ331	1/4W 330	2	
R2082,83	ERDS2FJ562	1/4W 5.6K	2	
R2084,85	ERDS2FJ333	1/4W 33K	2	
R2087-90	ERDS2FJ272	1/4W 2.7K	4	
R2091-94	ERDS2FJ273	1/4W 27K	4	
R2095,96	ERDS2FJ272	1/4W 2.7K	2	
R2098	ERDS2FJ103	1/4W 10K	1	
R2099	ERDS2FJ473	1/4W 47K	1	
R2101,02	ERDS2FJ152	1/4W 1.5K	2	
R2103	ERDS2FJ103	1/4W 10K	1	
R2105,06	ERDS2FJ152	1/4W 1.5K	2	
R2107	ERDS2FJ332	1/4W 3.3K	1	
R2109	ERDS2FJ332	1/4W 3.3K	1	
R2110	ERDS2FJ473	1/4W 47K	1	
R2111	ERDS2FJ104	1/4W 100K	1	
R2112	ERDS2FJ332	1/4W 3.3K	1	
R2114	ERDS2FJ332	1/4W 3.3K	1	
R2115-18	ERDS2FJ473	1/4W 47K	4	

R2119-21	ERDS2FJ103	1/4W 10K	3	
R2123-26	ERDS2FJ154	1/4W 150K	4	
R2127,28	ERDS2FJ103	1/4W 10K	2	
R2129,30	ERDS2FJ473	1/4W 47K	2	
R2131,32	ERDS2FJ103	1/4W 10K	2	
R2133	ERDS2FJ104	1/4W 100K	1	
R2135	ERDS2FJ104	1/4W 100K	1	
R2136,37	ERDS2FJ473	1/4W 47K	2	
R2142	ERDS2FJ104	1/4W 100K	1	
R2145,46	ERDS2TJ183	1/4W 18K	2	
R2147,48	ERDS2FJ153	1/4W 15K	2	
R2149	ERDS2FJ683	1/4W 68K	1	
R2150,51	ERDS2FJ471	1/4W 470	2	
R2152,53	ERDS2FJ153	1/4W 15K	2	
R2154,55	ERDS2FJ471	1/4W 470	2	
R2156	ERDS2FJ683	1/4W 68K	1	
R2157,58	ERDS2FJ394	1/4W 390K	2	
R2159,60	ERDS2FJ103	1/4W 10K	2	
R2161,62	ERDS2TJ183	1/4W 18K	2	
R2163,64	ERDS2FJ103	1/4W 10K	2	
R2165,66	ERDS2FJ472	1/4W 4.7K	2	
R2167	ERDS2TJ183	1/4W 18K	1	
R2168	ERDS2FJ683	1/4W 68K	1	
R2169	ERDS2TJ183	1/4W 18K	1	
R2170	ERDS2FJ683	1/4W 68K	1	
R2172,73	ERDS2FJ683	1/4W 68K	2	
R2174	ERDS2FJ103	1/4W 10K	1	
R2177	ERDS2FJ561	1/4W 560	1	
R2178,79	ERDS2FJ102	1/4W 1K	2	
R2180	ERDS2FJ103	1/4W 10K	1	
R2185	ERDS2FJ561	1/4W 560	1	
R2186	ERDS2FJ103	1/4W 10K	1	
R2188	ERDS2FJ103	1/4W 10K	1	
R2194-97	ERDS2FJ102	1/4W 1K	4	

R2198-01	ERDS2FJ122	1/4W 1.2K	4	
R2202,03	ERDS2FJ561	1/4W 560	2	
R2204-07	ERDS2FJ122	1/4W 1.2K	4	
R2208,09	ERDS2FJ561	1/4W 560	2	
R2215,16	ERDS2FJ102	1/4W 1K	2	
R2219-21	ERDS2FJ103	1/4W 10K	3	
R2223	ERDS2FJ224	1/4W 220K	1	
R2224	ERDS2FJ391	1/4W 390	1	
R2225	ERDS2FJ224	1/4W 220K	1	
R2226,27	ERDS2FJ391	1/4W 390	2	
R2228-33	ERDS2FJ102	1/4W 1K	6	
R2234-36	ERDS2FJ103	1/4W 10K	3	
R2237-39	ERDS2FJ102	1/4W 1K	3	
R2240	ERDS2FJ473	1/4W 47K	1	
R2241	ERDS2FJ102	1/4W 1K	1	
R2242,43	ERDS2FJ473	1/4W 47K	2	
R2244,45	ERDS2FJ220	1/4W 22	2	
R2246	ERDS2FJ103	1/4W 10K	1	
R2248	ERDS2FJ103	1/4W 10K	1	
R2249,50	ERDS2FJ471	1/4W 470	2	
R2251,52	ERDS2FJ331	1/4W 330	2	
R2253,54	ERDS2FJ221	1/4W 220	2	
R2255,56	ERDS2FJ101	1/4W 100	2	
R2261,62	ERDS2FJ683	1/4W 68K	2	
R2267	ERDS2TJ225	1/4W 2.2M	1	
R2268	ERDS2TJ105	1/4W 1M	1	
R2269	ERDS2TJ225	1/4W 2.2M	1	
R2270	ERDS2TJ105	1/4W 1M	1	
R2271	ERDS2TJ225	1/4W 2.2M	1	
R2272	ERDS2TJ105	1/4W 1M	1	
R2273	ERDS2TJ225	1/4W 2.2M	1	
R2274	ERDS2TJ105	1/4W 1M	1	
R2275,76	ERDS2FJ473	1/4W 47K	2	
R2277,78	ERDS2FJ103	1/4W 10K	2	

R2279,80	ERDS2FJ151	1/4W 150	2	
R2281,82	ERDS2FJ100	1/4W 10	2	
R2283,84	ERDS2FJ221	1/4W 220	2	
R2285,86	ERDS2FJ151	1/4W 150	2	
R2287	ERDS2FJ103	1/4W 10K	1	
R2291-94	ERDS2FJ101	1/4W 100	4	
R2295,96	ERDS2TC0	1/4W 0	2	
R2401-13	ERDS2TC0	1/4W 0	13	
R2414-17	ERDS2FJ220	1/4W 22	4	
R2418,19	ERDS2FJ103	1/4W 10K	2	
R2423,24	ERDS2FJ472	1/4W 4.7K	2	
R2425,26	ERDS2FJ681	1/4W 680	2	
R2427-36	ERDS2FJ472	1/4W 4.7K	10	
R2440-47	ERDS2FJ273	1/4W 27K	8	
R2552	ERDS2TC0	1/4W 0	1	
R2553-55	ERDS2FJ473	1/4W 47K	3	
R2556	ERDS2TC0	1/4W 0	1	
R2557-59	ERDS2FJ472	1/4W 4.7K	3	
R2560,61	ERDS2FJ104	1/4W 100K	2	
R2563	ERDS2FJ333	1/4W 33K	1	
R2564	ERDS2FJ104	1/4W 100K	1	
R2565,66	ERDS2FJ563	1/4W 56K	2	
R2567-70	ERDS2FJ102	1/4W 1K	4	
R2571,72	ERDS2FJ220	1/4W 22	2	
R2573-80	ERDS2FJ222	1/4W 2.2K	8	
R2581,82	ERDS2FJ104	1/4W 100K	2	
R2583-86	ERDS2FJ102	1/4W 1K	4	
R2587,88	ERDS2FJ331	1/4W 330	2	
R2589-91	ERDS2TC0	1/4W 0	3	
R2592-95	ERDS2FJ104	1/4W 100K	4	
R2701	ERDS2FJ103	1/4W 10K	1	
R2702-04	ERDS2FJ472	1/4W 4.7K	3	
R2705,06	ERJ3GEYJ474V	1/10W 470K	2	
R3001,02	ERJ3GEYJ332V	1/10W 3.3K	2	D0GB332JA002

R3003	ERJ3GEYJ123V	1/10W 12K	1	
R3004,05	ERJ3GEYJ102V	1/10W 1K	2	
R3006	ERJ3GEYJ332V	1/10W 3.3K	1	D0GB332JA002
R3007,08	ERJ3GEYJ102V	1/10W 1K	2	
R3009	ERJ3GEYJ332V	1/10W 3.3K	1	D0GB332JA002
R3010,11	ERJ3GEYJ102V	1/10W 1K	2	
R3012,13	ERJ3GEYJ123V	1/10W 12K	2	
R3014,15	ERJ3GEYJ332V	1/10W 3.3K	2	D0GB332JA002
R3016	ERJ3GEYJ123V	1/10W 12K	1	
R3017,18	ERJ3GEYJ102V	1/10W 1K	2	
R3020-24	ERJ3GEYJ224V	1/10W 220K	5	D0GB224JA002
R3026,27	ERJ3GEYJ102V	1/10W 1K	2	
R3028,29	ERJ3GEYJ123V	1/10W 12K	2	
R3030-33	ERJ3GEYJ183V	1/10W 18K	4	D0GB183JA002
R3034,35	ERJ3GEYJ123V	1/10W 12K	2	
R3036	ERJ3GEYJ473V	1/10W 47K	1	D0GB473JA002
R3037,38	ERJ3GEYJ183V	1/10W 18K	2	D0GB183JA002
R3039-44	ERJ3GEYJ563V	1/10W 56K	6	
R3045	ERJ3GEYJ473V	1/10W 47K	1	D0GB473JA002
R3049-54	ERJ3GEYJ181V	1/10W 180	6	
R3057-62	ERJ3GEYJ101	1/10W 100	6	D0GB101JA002
R3063	ERJ3GEY0R00V	1/10W 0	1	
R3064	ERJ3GEYJ332V	1/10W 3.3K	1	D0GB332JA002
R3065	ERJ3GEY0R00V	1/10W 0	1	
R3066	ERJ3GEYJ332V	1/10W 3.3K	1	D0GB332JA002
R3067,68	ERJ3GEYJ271V	1/10W 270	2	
R3069	ERJ3GEY0R00V	1/10W 0	1	
R3070	ERJ3GEYJ332V	1/10W 3.3K	1	D0GB332JA002
R3071,72	ERJ3GEYJ104	1/10W 100K	2	
R3073	ERJ3GEY0R00V	1/10W 0	1	
R3074	ERJ3GEYJ332V	1/10W 3.3K	1	D0GB332JA002
R3076,77	ERJ3GEYJ104	1/10W 100K	2	
R3078-80	ERJ3GEYJ680	1/10W 68	3	ERJ3GEYJ680V
R3081	ERJ3GEYJ103V	1/10W 10K	1	D0GB103JA002

R3083-85	ERJ3GEYJ680	1/10W 68	3	ERJ3GEYJ680V
R3089-91	ERJ3GEYJ123V	1/10W 12K	3	
R3092	ERJ3GEYJ103V	1/10W 10K	1	D0GB103JA002
R3094-96	ERJ3GEYJ123V	1/10W 12K	3	
R3098-00	ERJ3GEYJ184V	1/10W 180K	3	
R3103-05	ERJ3GEYJ184V	1/10W 180K	3	
R3107-12	ERJ3GEYJ221V	1/10W 220	6	
R3115-20	ERJ3GEYJ563V	1/10W 56K	6	
R3138	ERJ3GEYJ224V	1/10W 220K	1	D0GB224JA002
R3144	ERJ3GEYJ103V	1/10W 10K	1	D0GB103JA002
R3147	ERJ3GEYJ104	1/10W 100K	1	
R3149	ERJ3GEYJ104	1/10W 100K	1	
R3154	ERJ3GEYJ103V	1/10W 10K	1	D0GB103JA002
R3156	ERJ3GEYJ103V	1/10W 10K	1	D0GB103JA002
R3160,61	ERJ3GEYJ103V	1/10W 10K	2	D0GB103JA002
R3163	ERJ3GEYJ103V	1/10W 10K	1	D0GB103JA002
R3166-68	ERJ3GEYJ103V	1/10W 10K	3	D0GB103JA002
R3173,74	ERJ3GEYD153V	1/10W 15K	2	D0HB153ZA002
R3190	ERJ3GEYJ472V	1/10W 4.7K	1	
R3191	ERJ3GEYJ221V	1/10W 220	1	
R3192,93	ERJ3GEYJ103V	1/10W 10K	2	D0GB103JA002
R3204,05	ERJ3GEYJ104	1/10W 100K	2	
R3206-09	ERJ3GEYJ272V	1/10W 2.7K	4	
R3210-41	ERJ3GEYJ101	1/10W 100	32	D0GB101JA002
R3242,43	ERJ3GEYJ683V	1/10W 68K	2	D0GB683JA002
R3245,46	ERJ3GEYJ683V	1/10W 68K	2	D0GB683JA002
R3247,48	ERJ3GEYD153V	1/10W 15K	2	D0HB153ZA002
R3249	ERJ3GEYJ104	1/10W 100K	1	
R3252-54	ERJ3GEY0R00V	1/10W 0	3	
R3255	ERJ3GEYJ100	1/10W 10	1	
R3257-70	ERJ3GEYJ221V	1/10W 220	14	
R3271,72	ERJ3GEYJ104	1/10W 100K	2	
R3273,74	ERJ3GEYJ182V	1/10W 1.8K	2	
R3275,76	ERJ3GEYJ332V	1/10W 3.3K	2	D0GB332JA002

R3277,78	ERJ3GEYJ105V	1/10W 1M	2	
R3279-82	ERJ3GEYJ563V	1/10W 56K	4	
R3283,84	ERJ3GEYJ103V	1/10W 10K	2	D0GB103JA002
R3401,02	ERJ3GEYJ334V	1/10W 330K	2	
R3500,01	ERJ3GEYJ102V	1/10W 1K	2	
R3502,03	ERJ3GEYJ151V	1/10W 150	2	
R3504,05	ERJ3GEYJ101	1/10W 100	2	D0GB101JA002
R3506	ERJ3GEYJ103V	1/10W 10K	1	D0GB103JA002
R3508	ERJ3GEYJ103V	1/10W 10K	1	D0GB103JA002
R3510	ERJ3GEYJ470V	1/10W 47	1	
R3511	ERJ3EKF1802	1/10W 18K	1	
R3512	ERJ3GEYJ101	1/10W 100	1	D0GB101JA002
R3513,14	ERJ3EKF1802	1/10W 18K	2	
R3516-20	ERJ3GEYJ103V	1/10W 10K	5	D0GB103JA002
R3526-33	ERJ3GEYJ101	1/10W 100	8	D0GB101JA002
R3534	ERJ3GEYJ100	1/10W 10	1	
R3535	ERJ3GEY0R00V	1/10W 0	1	
R3536-39	ERJ3GEYJ104	1/10W 100K	4	
R3540-43	ERJ3GEYJ184V	1/10W 180K	4	
R3544-49	ERJ3GEY0R00V	1/10W 0	6	
R3550	ERJ3GEYJ101	1/10W 100	1	D0GB101JA002
S601	ESB92S22B	SW,POWER	1	⚠
S701,02	K0G125A00009	SW,ASSIGN	2	
S901	K0D123A00012	SW,C.FADER CURVE	1	
S902-08	K0D122A00067	SW,CHANGE OVER	7	
S1001	K0D268B00001	SW,L/R SPLIT	1	
S1002-05	RST6B001-X	SW,CHANGE OVER	4	
S1006	K0D268B00001	SW,L/R SPLIT	1	
S1007	EVQ11G05R	SW,CUE CH2	1	
S1008,09	EVQ11G05R	SW,CUE CH4	2	
S1010	K0D246B00001	SW,EFFECT CH1	1	
S1011	K0D246B00001	SW,EFFECT CH2	1	
S1012	K0D246B00001	SW,EFFECT CH3	1	

S1013	K0D246B00001	SW,EFFECT CH4	1	
S1014	EVQ11G05R	SW,CUE EFFECT	1	
S1015	K0D246B00001	SW,PRE/POST	1	
S1016	EVQ11G05R	SW,CUE CH1	1	
S2001	K0D246B00001	SW,MONITOR MODE	1	
S2004	K0D246B00001	SW,MASTER SEPARATE OUT	1	
VR801	EVBNK7M20B15	VR CROSS FADER	1	
VR803	EVBNKBM20B15	VR,C.FADER CH1	1	
VR805	EVBNKBM20B15	VR,C.FADER CH2	1	
VR807	EVBNKBM20B15	VR,C.FADER CH3	1	
VR809	EVBNKBM20B15	VR,C.FADER CH4	1	
VR1001	EVJY10F03B24	VR,TRIM CH2	1	
VR1003	EVJY10F03B24	VR,TRIM CH3	1	
VR1005	EVJY10F03B24	VR,TRIM CH4	1	
VR1007	EVJ02BF03D54	VR,MIC LEVEL	1	
VR1008	EVJY10F03B24	VR,TRIM CH1	1	
VR1010	EVJY10F03D54	VR,EFFECT RETURN	1	
VR1012-14	EVJY91F03G54	VR,MIC LOW CH2	3	
VR1016	EVJY91F03G54	VR,LOW CH3	1	
VR1018	EVJY91F03G54	VR,LOW CH4	1	
VR1020	EVJY91F03G54	VR,LOW CH1	1	
VR1025-27	EVJY91F03G54	VR,MID CH4	3	
VR1029	EVJY91F03G54	VR,HIGH CH2	1	
VR1031	EVJY91F03G54	VR,HIGH CH3	1	
VR1033	EVJY91F03G54	VR,HIGH CH4	1	
VR1035,36	EVJY91F03G54	VR,HIGH(CH1)	2	
VR1037	EVJY10F03D54	VR,EFFECT SEND	1	
VR2001	EVJY10F03A15	VR,MONITOR LEVEL	1	
VR2003	D2BCH14A0001	VR,MASTER LEVEL	1	
VR2007	EVJY10F03B14	VR,MONITOR MIXING	1	
VR2009	D2BCH1420002	VR,MASTER BALANCE	1	
W1-59	ERJ3GEY0R00V	1/10W 0	59	
W62-90	ERJ3GEY0R00V	1/10W 0	29	

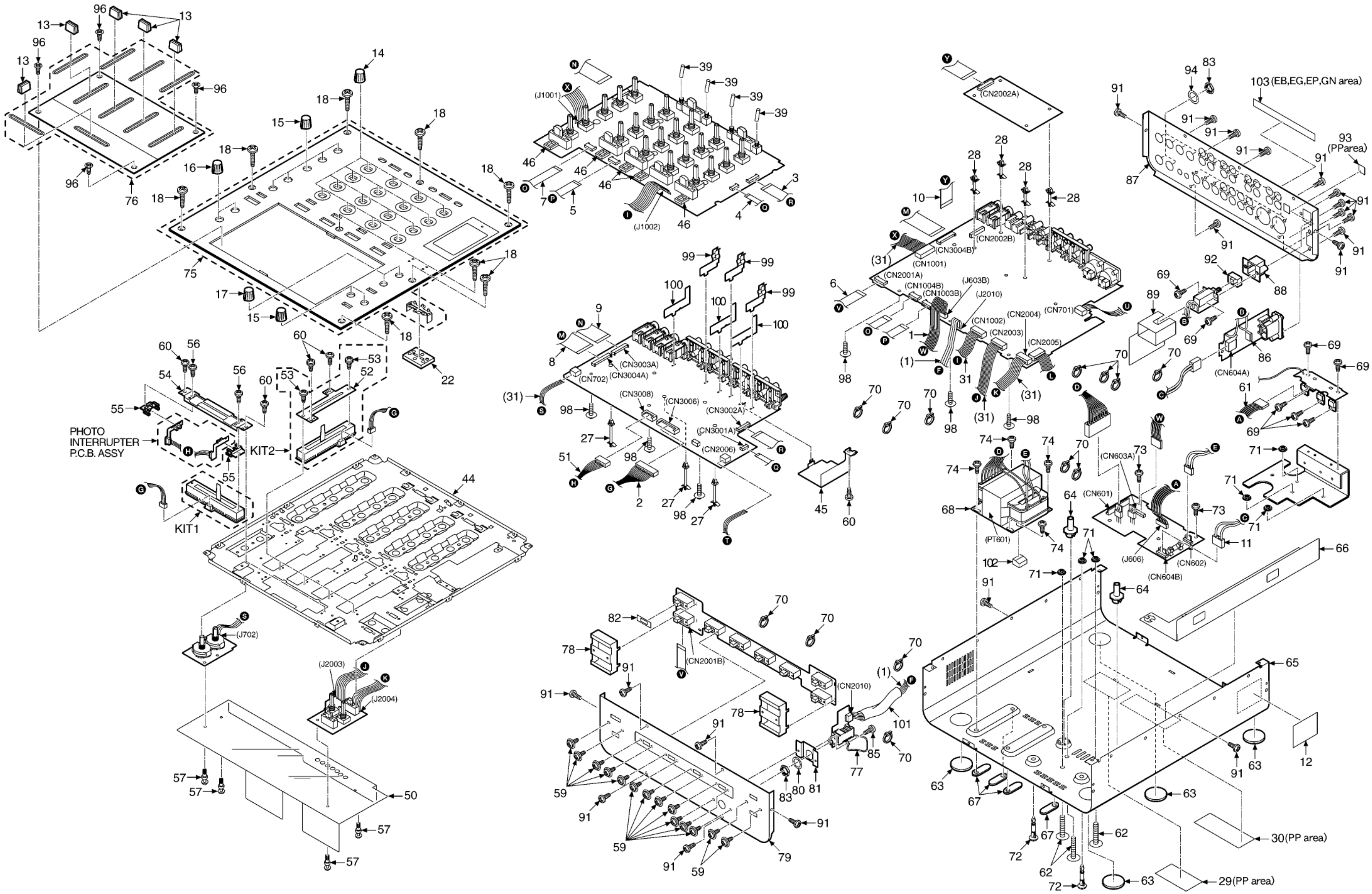
W93-18	ERJ3GEY0R00V	1/10W 0	26	
W120-22	ERJ3GEY0R00V	1/10W 0	3	
W301-23	ERJ3GEY0R00V	1/10W 0	23	
X3002	H0H160500003	CRYSTAL OSCILLATOR	1	
X3500	H0J112500003	CRYSTAL OSCILLATOR	1	
Z2002-06	EXCELDR35V	FERRITE BEAD	5	

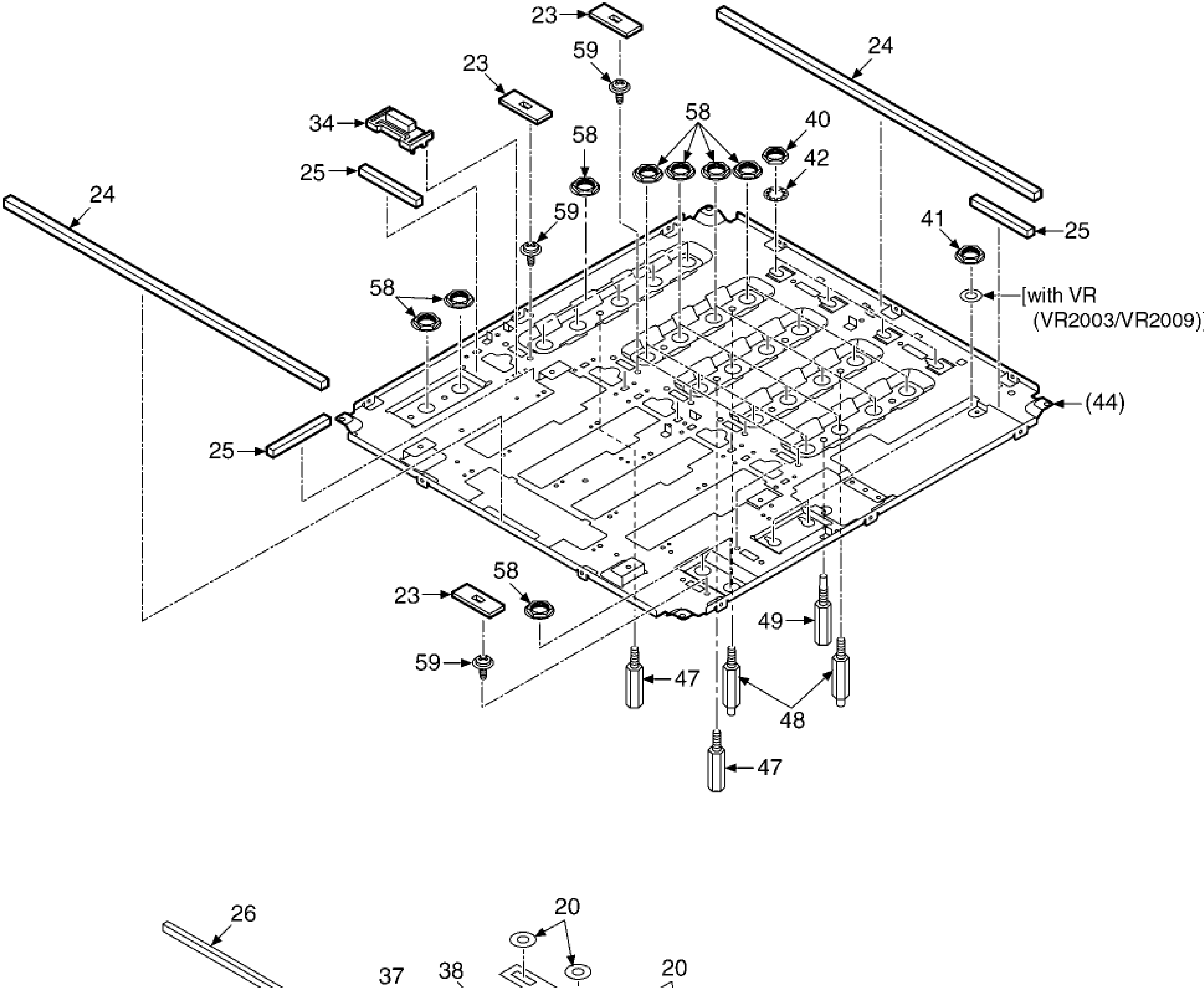
TOP PREVIOUS NEXT

13 Cabinet Parts Location

TOP PREVIOUS NEXT

TOP PREVIOUS NEXT

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[with VR
(VR2003/VR2009)]
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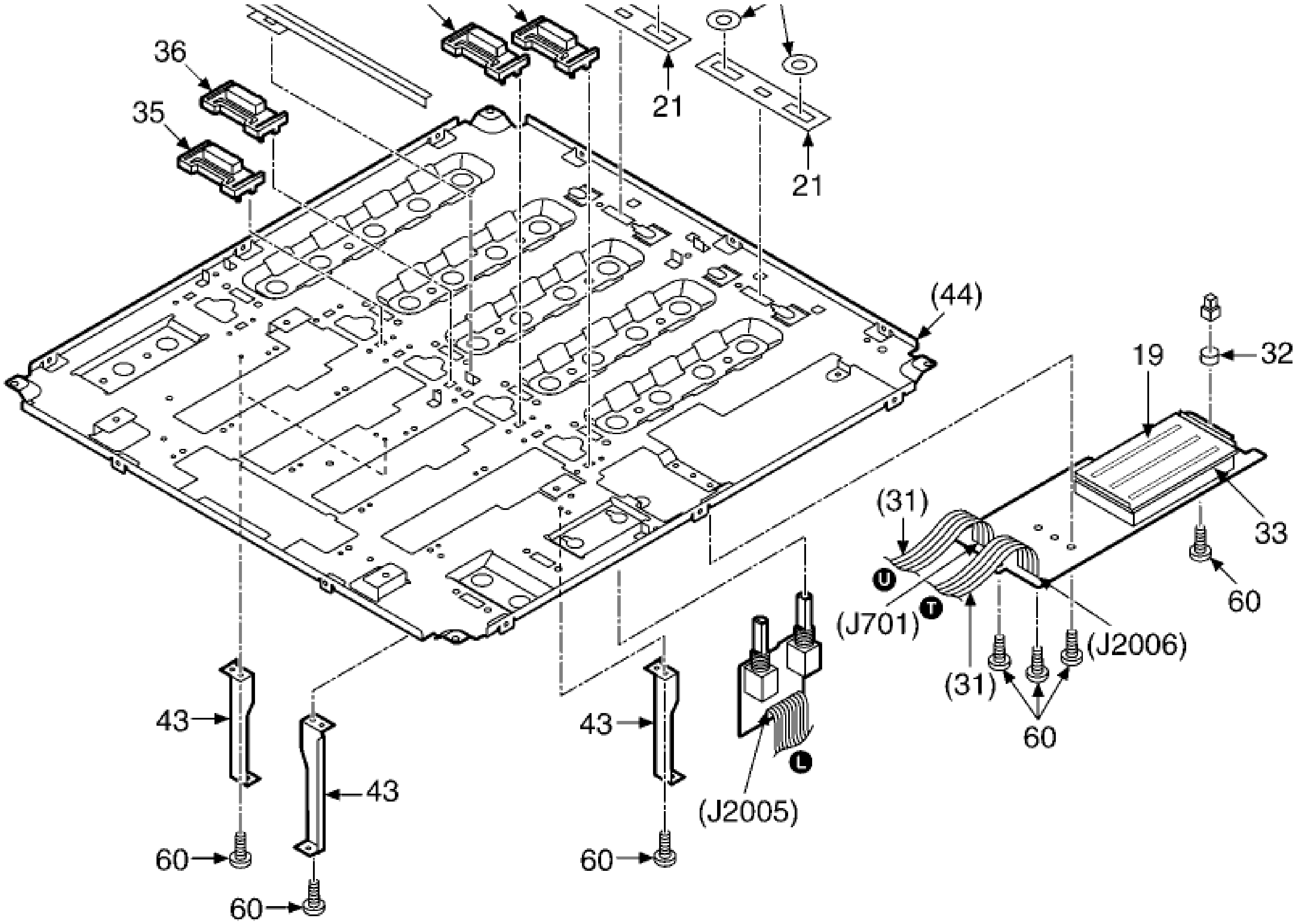
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(J701)
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(J2005)
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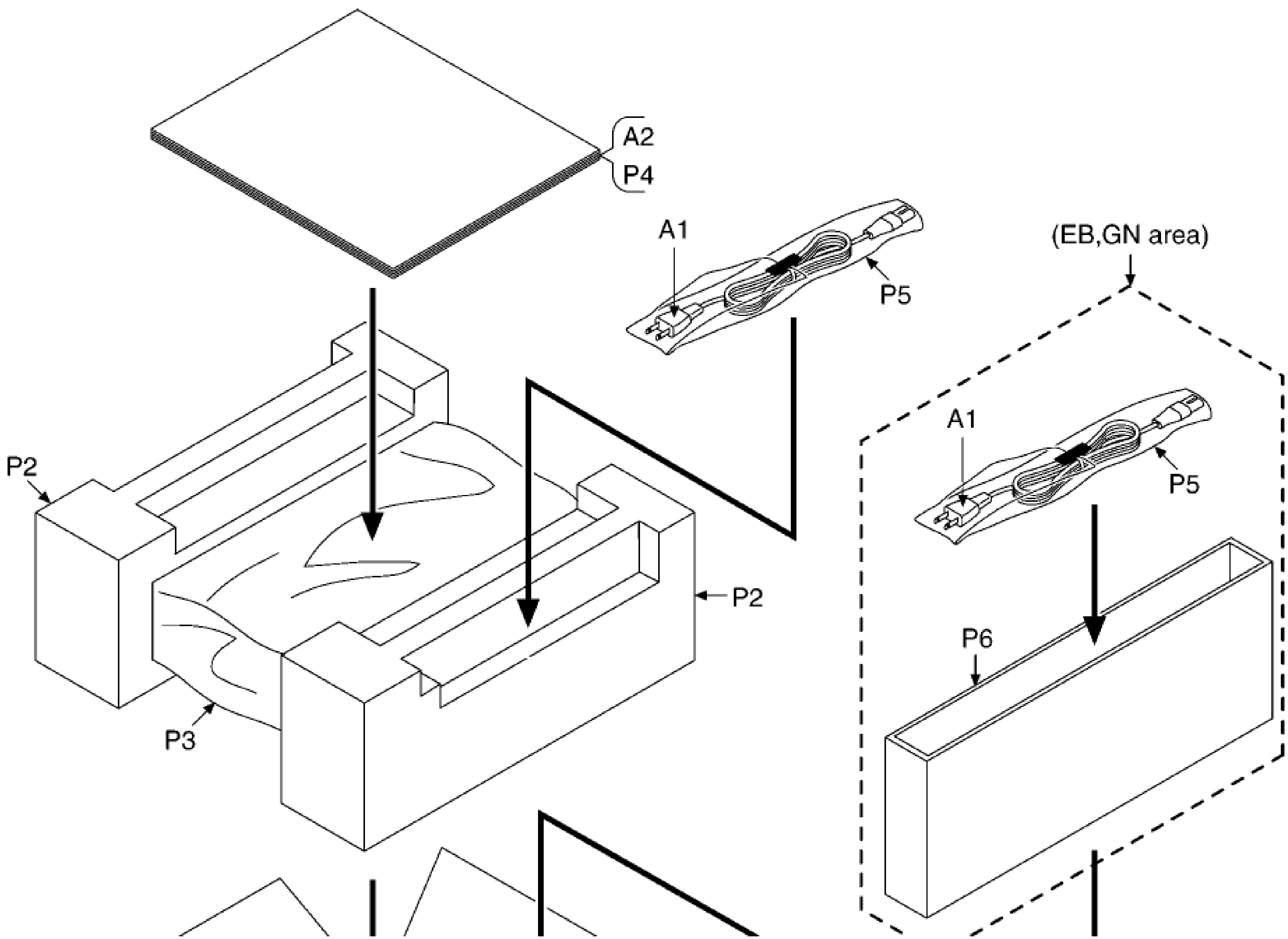
14 Packaging

TOP PREVIOUS NEXT

TOP PREVIOUS NEXT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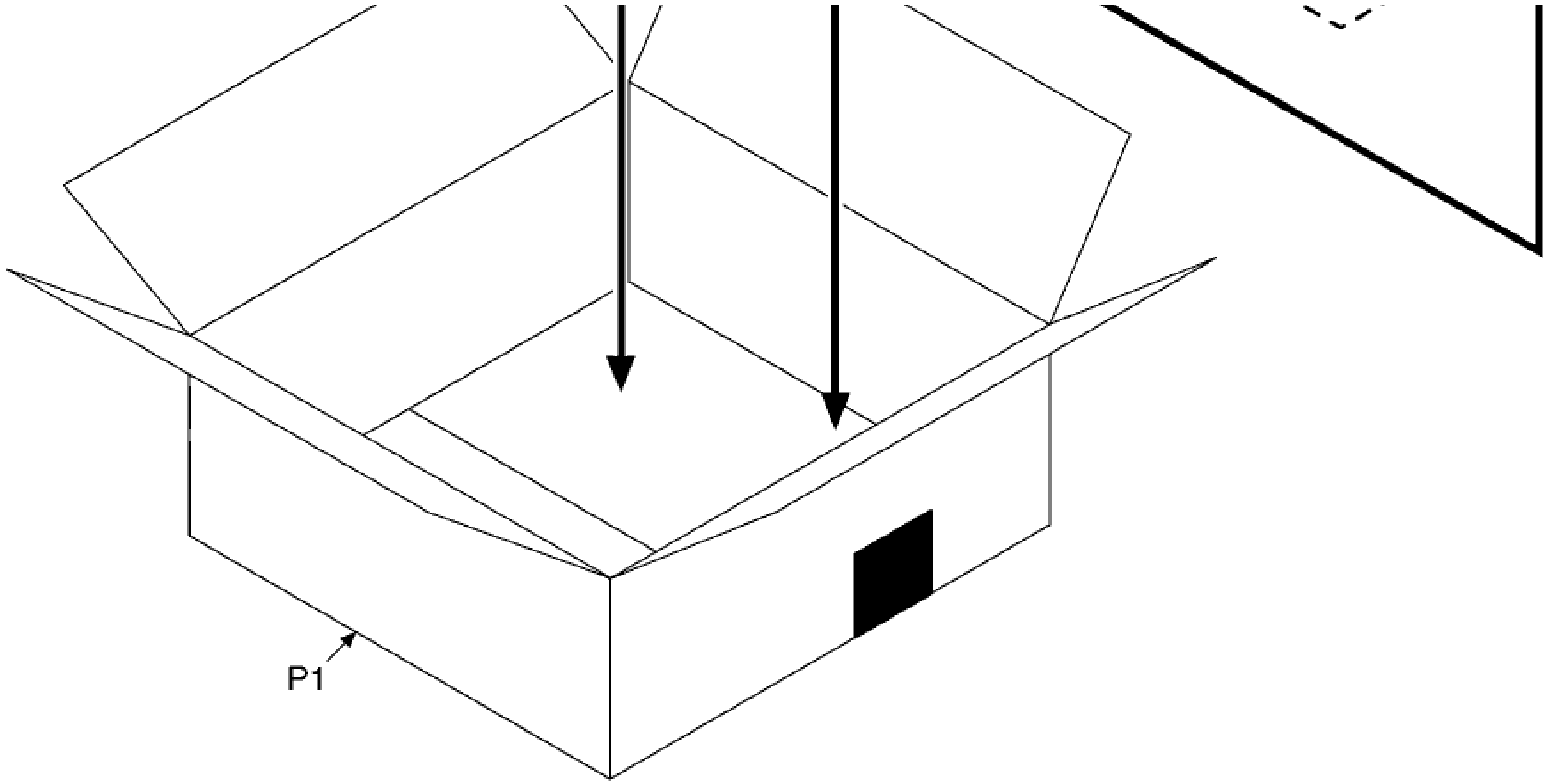
(EB,GN area)
A1
P5
P2
P2
P3
P6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15 Schematic Diagram for printing with letter size

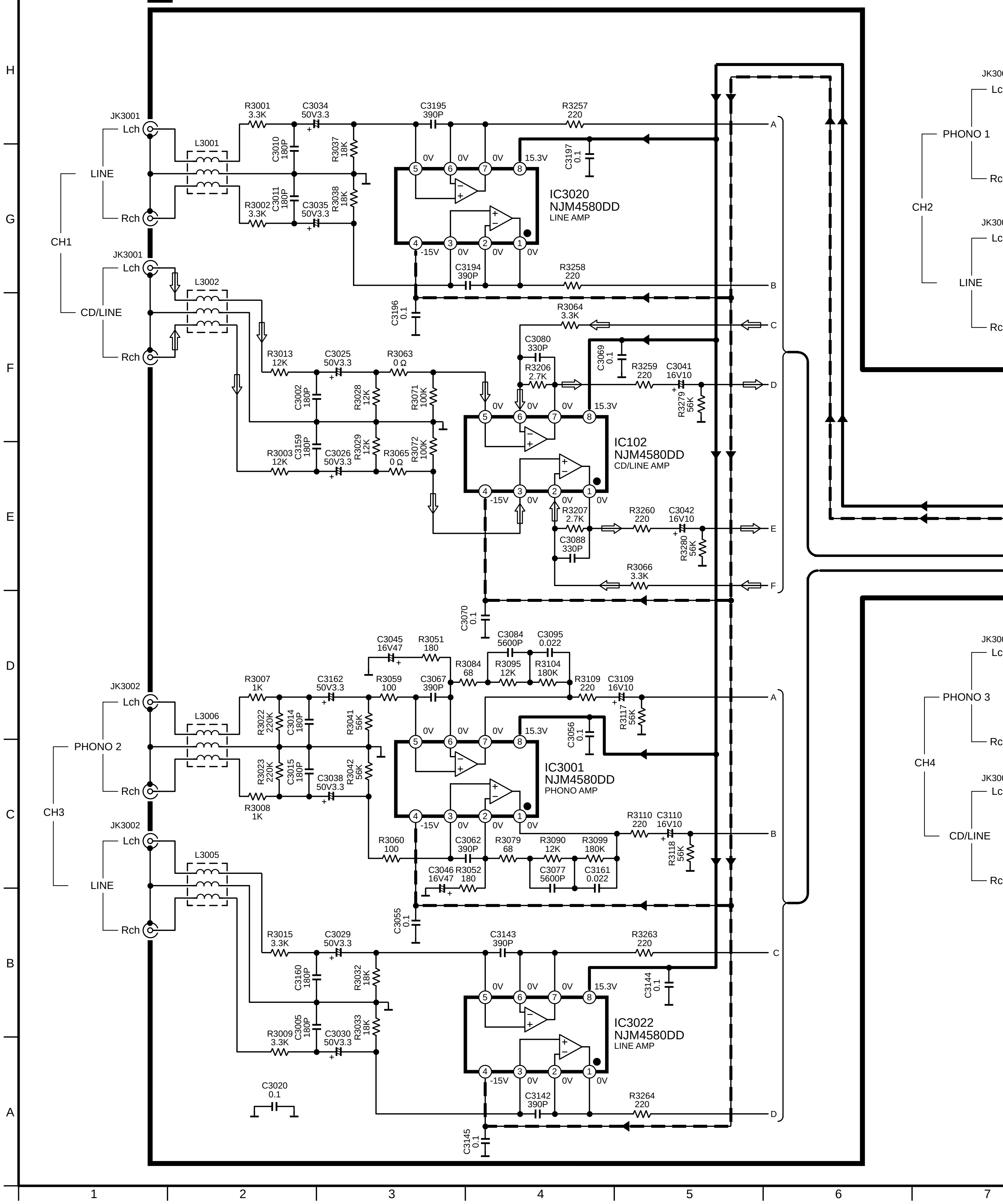
TOP PREVIOUS

TOP PREVIOUS

SCHEMATIC DIAGRAM-1

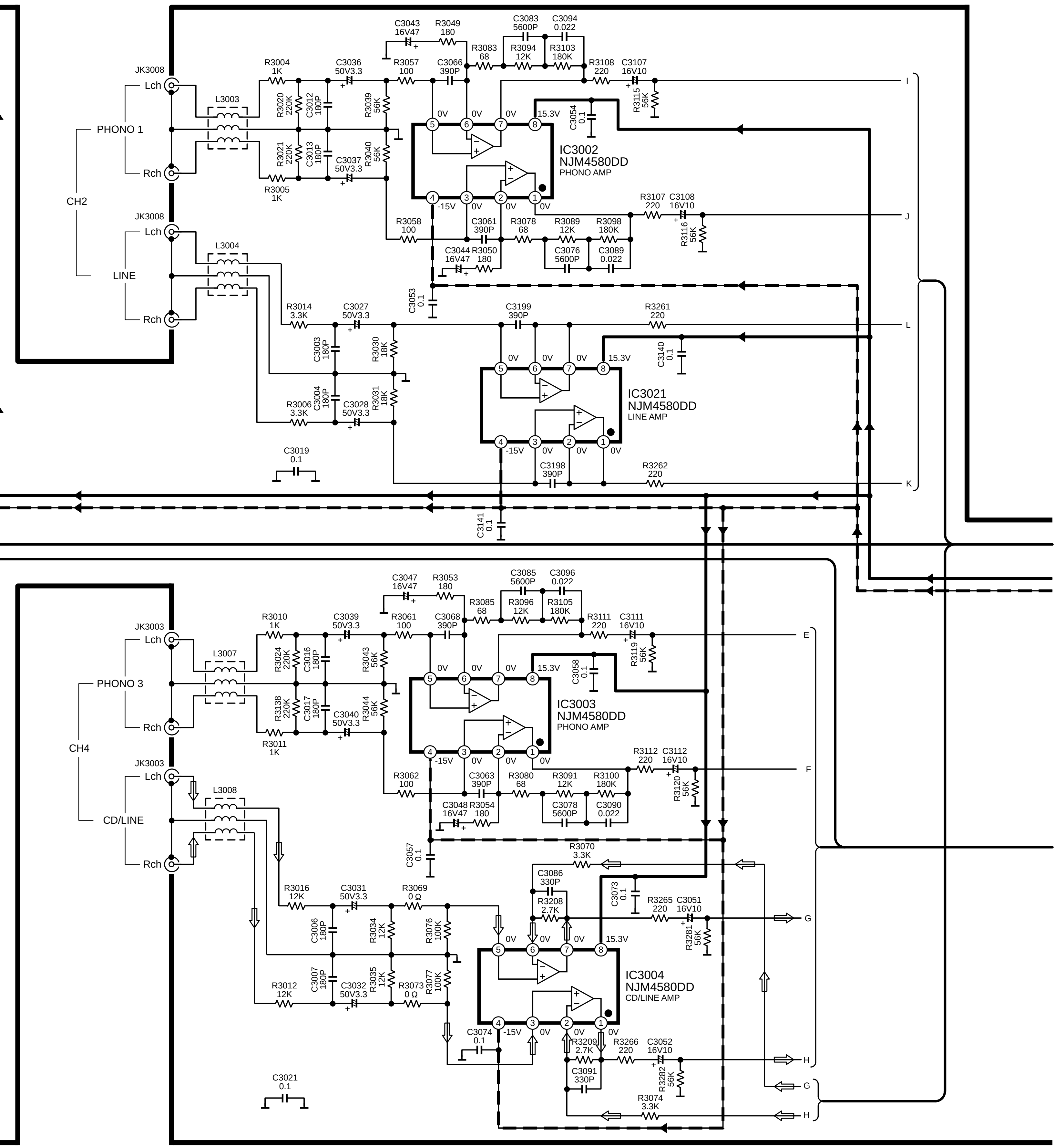
A INPUT CIRCUIT

:POSITIVE VOLTAGE LINE :NEGATIVE VOLTAGE LINE :AUDIO SIGNAL(ANALOG) LINE

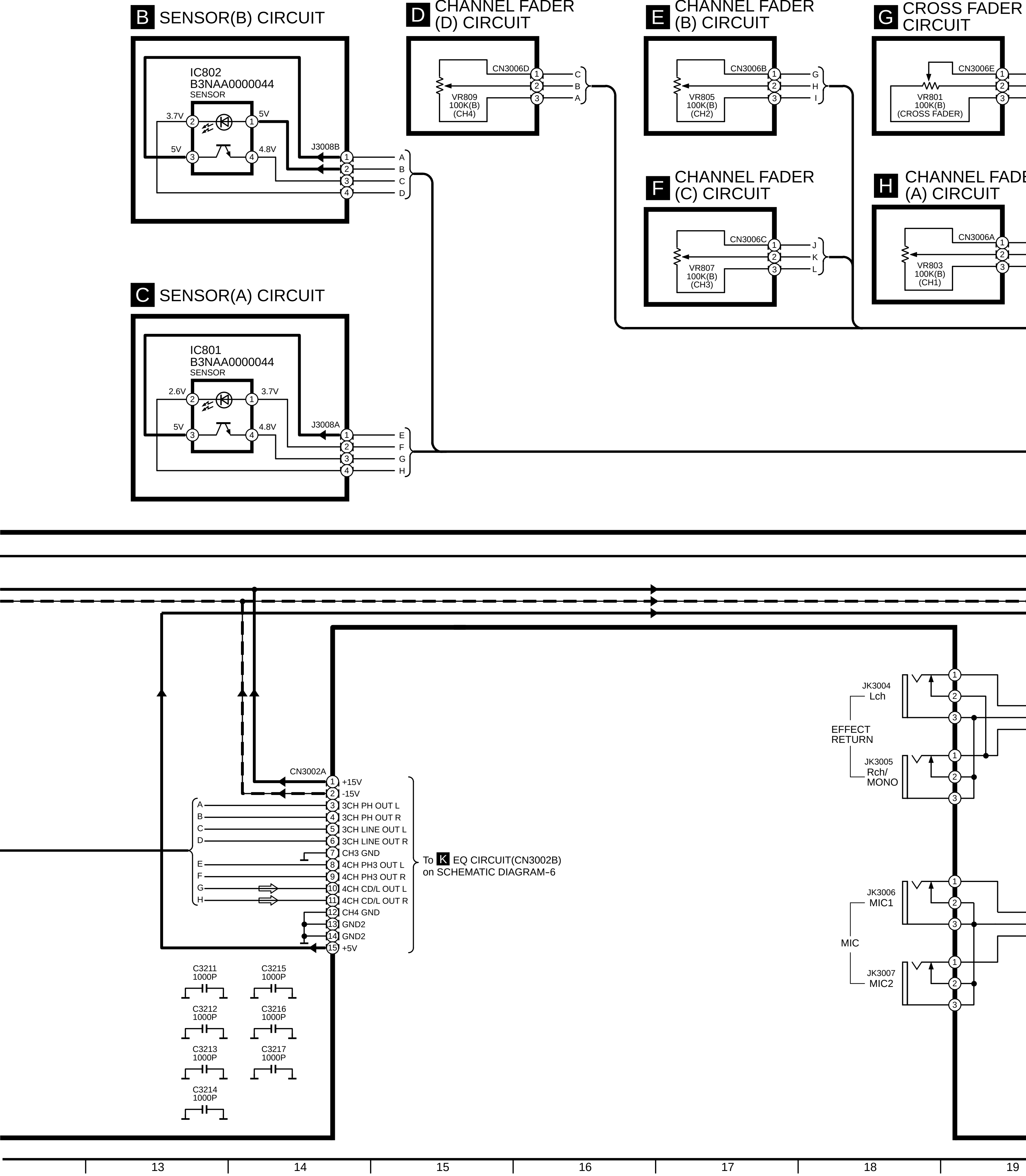


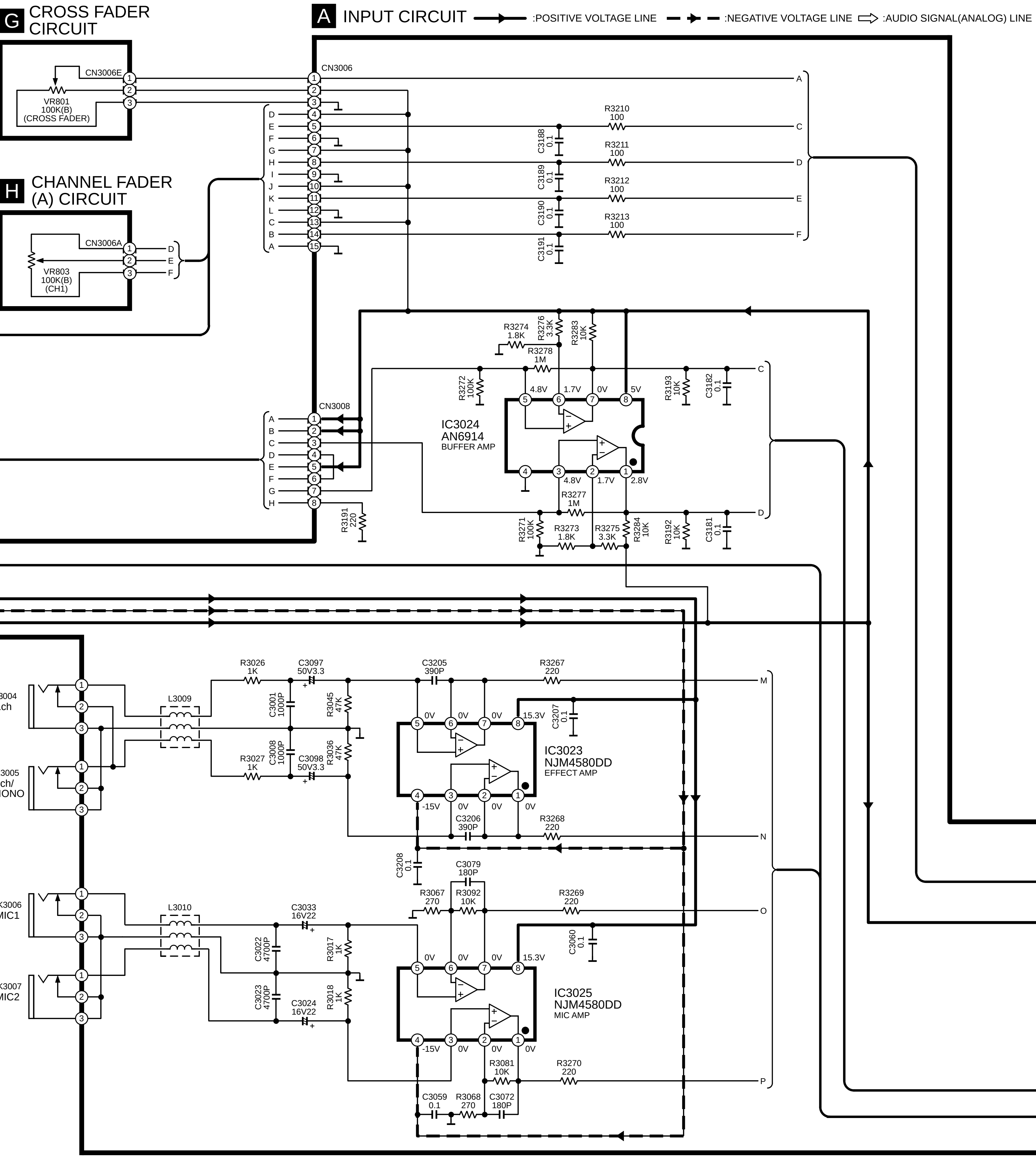
H G F E D C B A
1 2 3 4 5 6 7

NOTE: The number which noted at the connectors on the schematic diagram as "SCHEMATIC DIAGRAM-1" or "SCHEMATIC DIAGRAM-2" indicates the schematic diagram serial number located on the left corner in the schematic diagram.



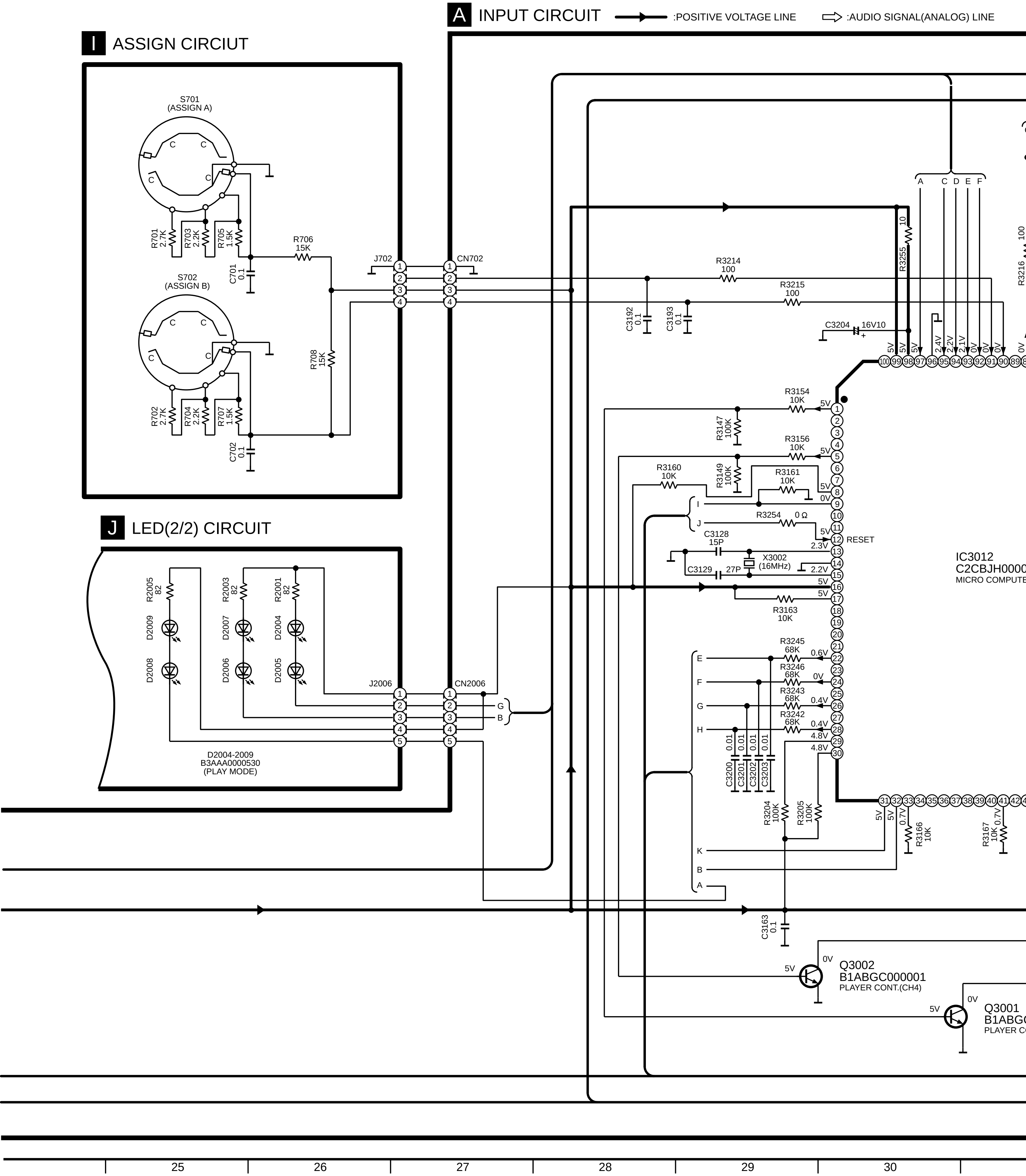
SCHEMATIC DIAGRAM-2



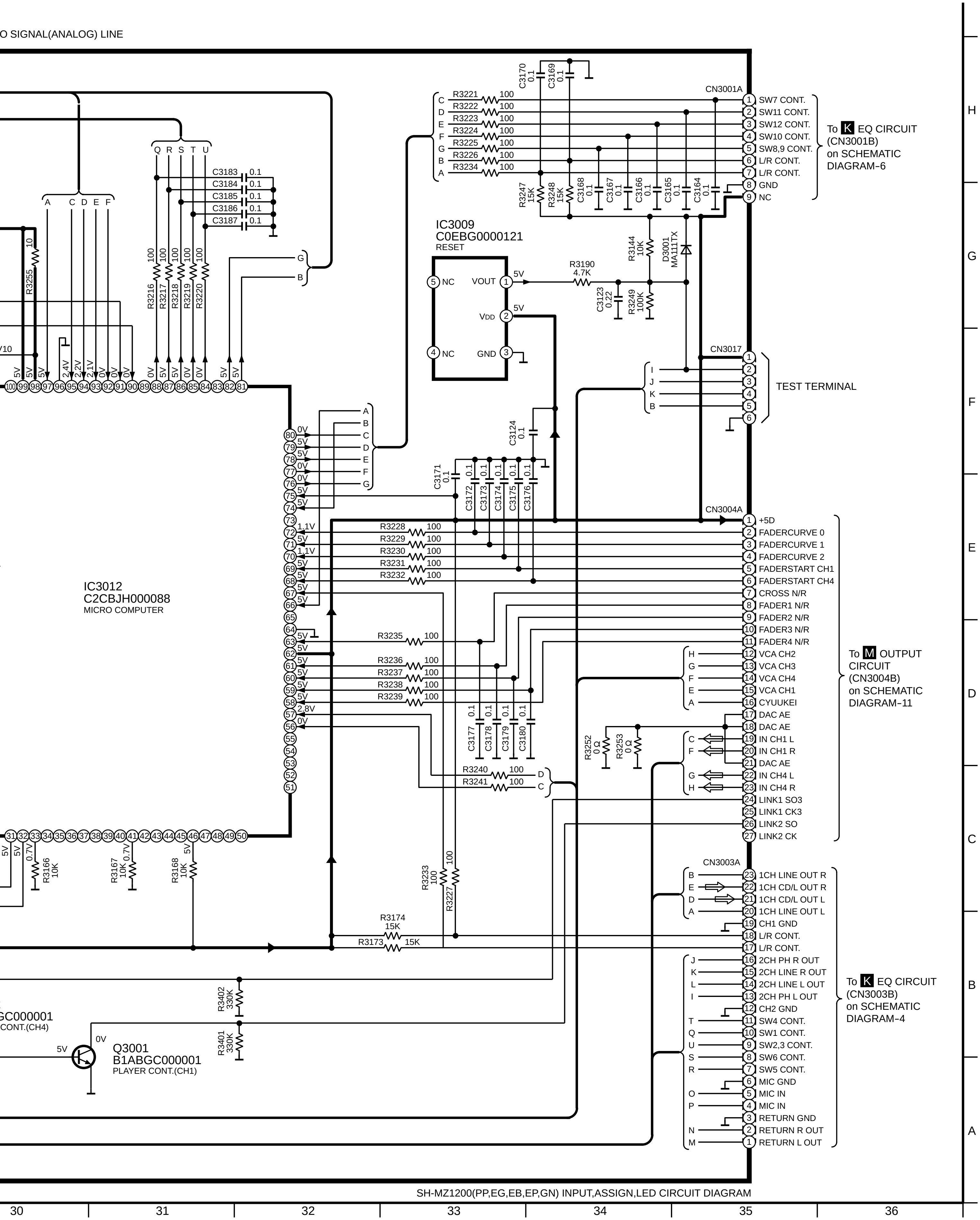


SH-MZ1200(PP,EG,EB,EP,GN) INPUT,SENSOR(A)/(B),CHANNEL FADER(A)/(B)/(C)/(D),CROSS FADER CIRCUIT DIAGRAM

SCHEMATIC DIAGRAM-3



25 26 27 28 29 30

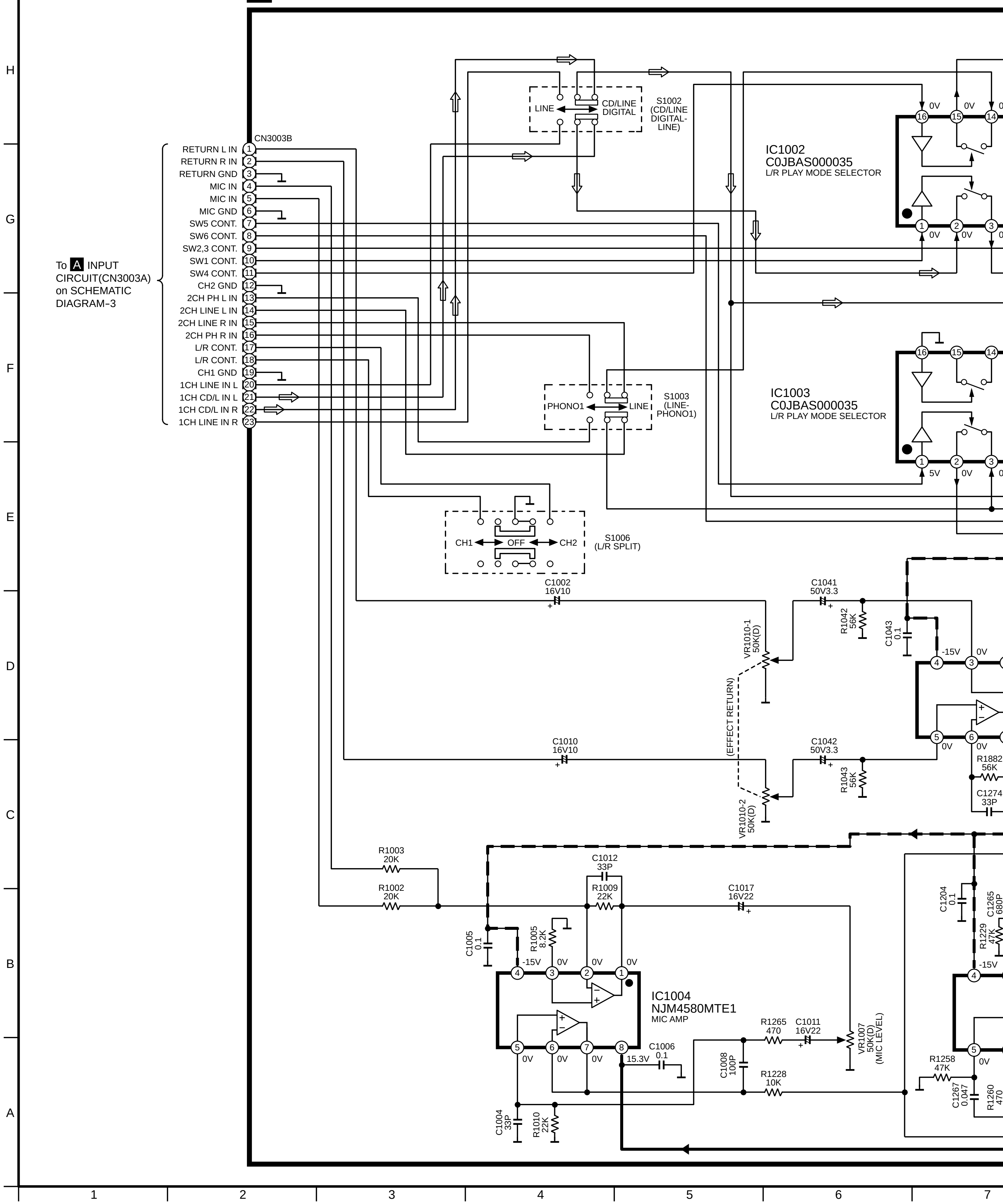


SH-MZ1200(PP,EG,EB,EP,GN) INPUT,ASSIGN,LED CIRCUIT DIAGRAM

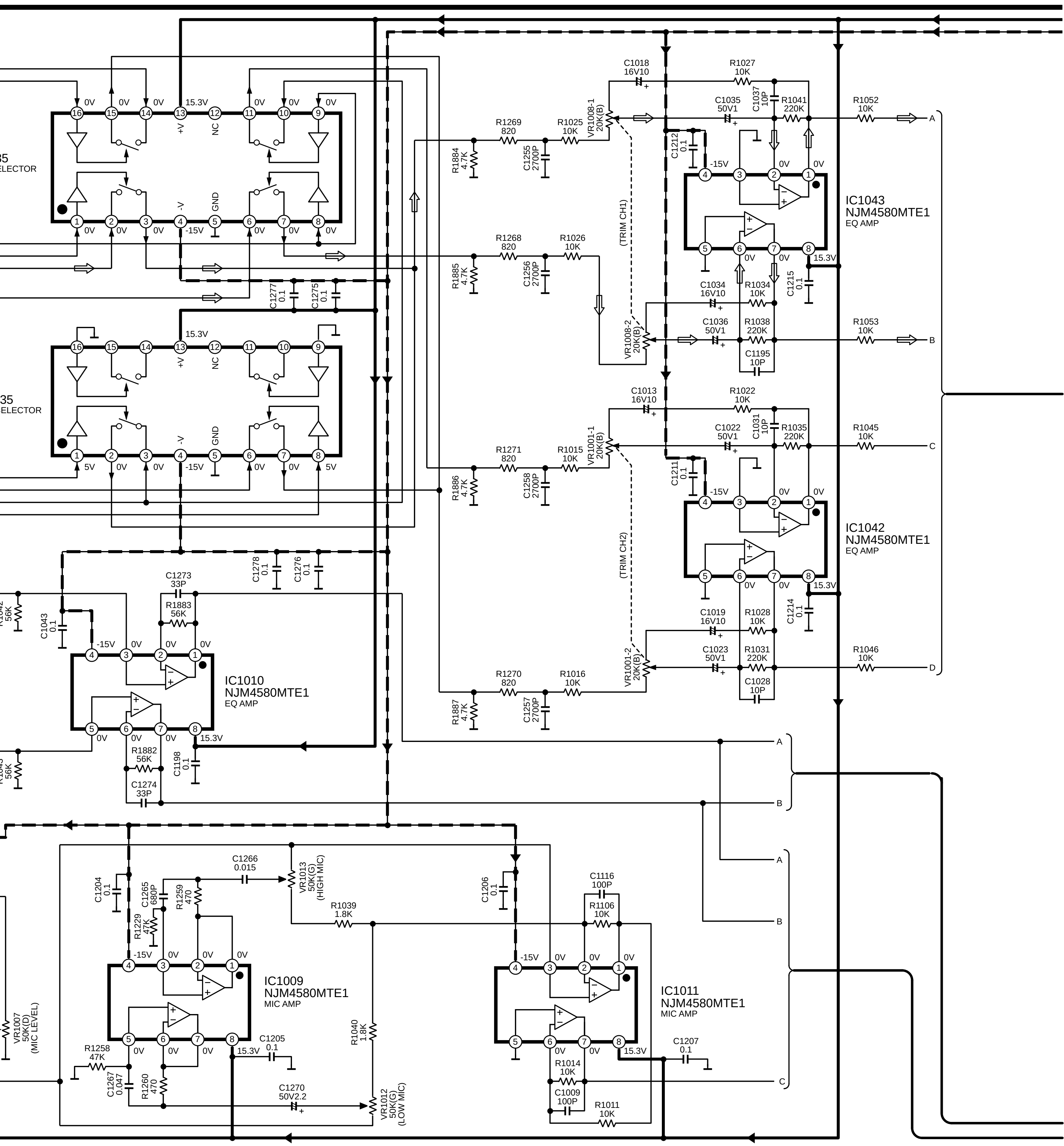
SCHEMATIC DIAGRAM-4

K EQ CIRCUIT

:POSITIVE VOLTAGE LINE :NEGATIVE VOLTAGE LINE :AUDIO SIGNAL(ANALOG) LIN



:AUDIO SIGNAL(ANALOG) LINE



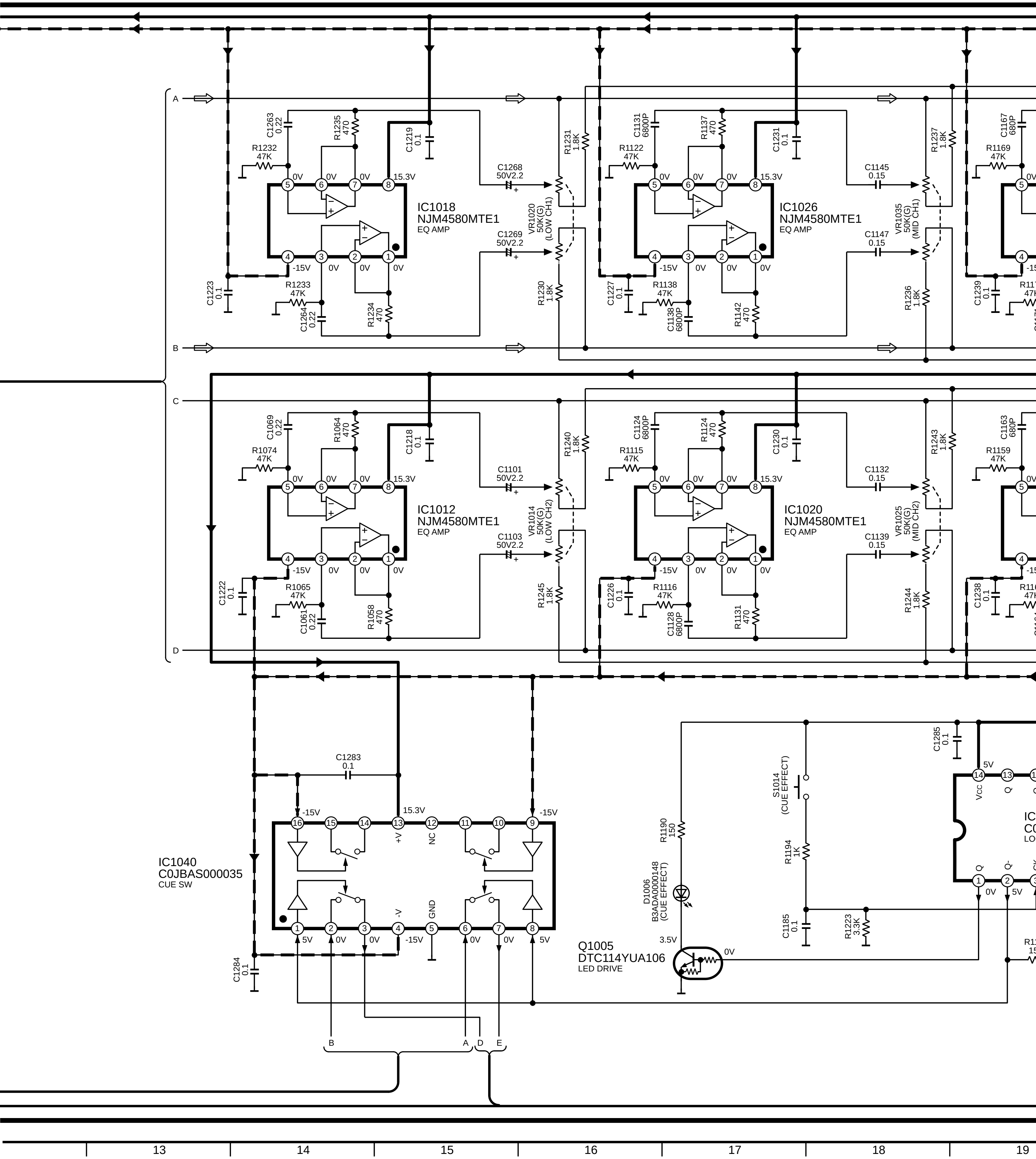
SH-MZ1200(PP,EG,EB,EP,GN) EQ CIRCUIT DIAGRAM

7	8	9	10	11	12

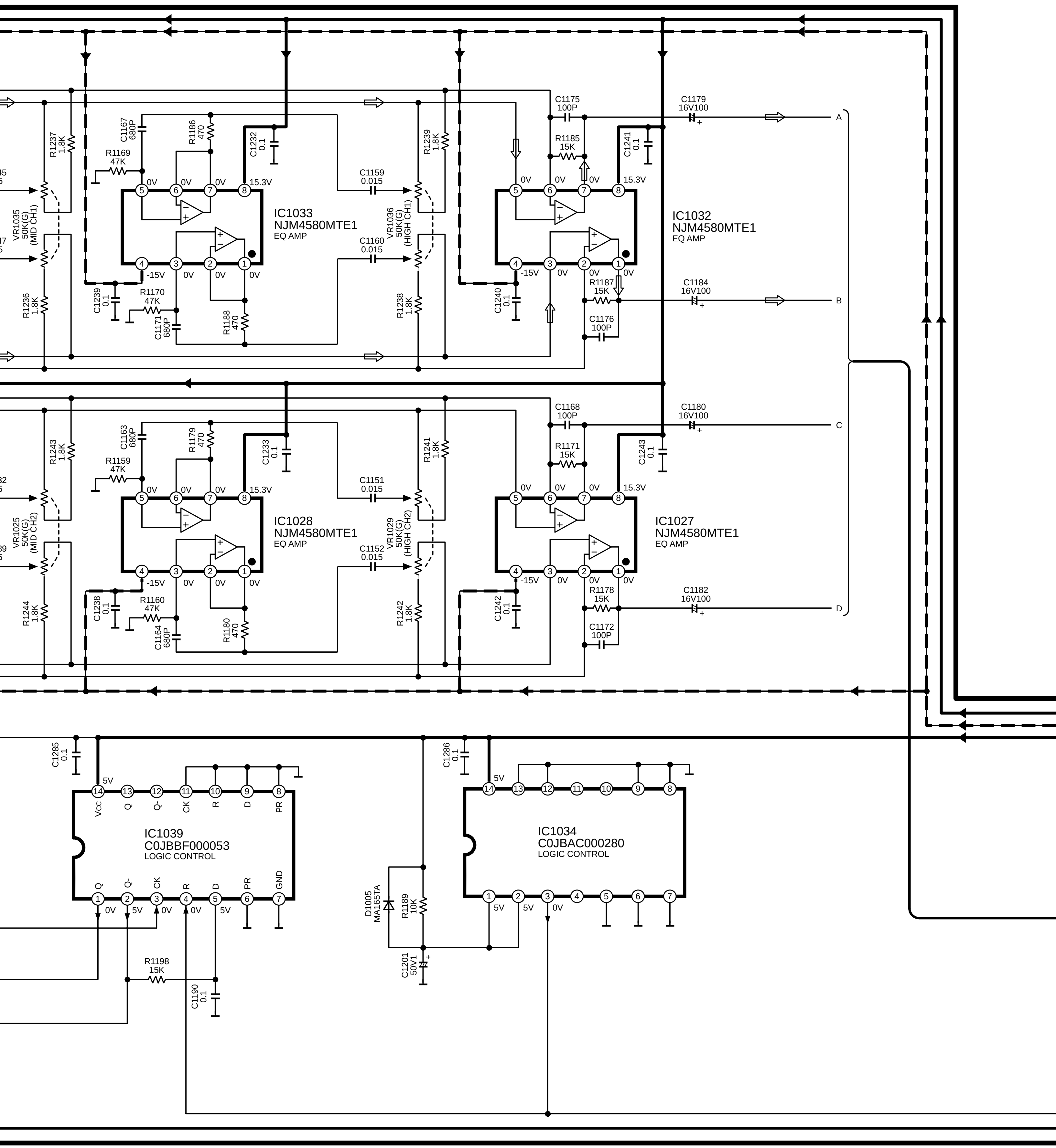
SCHEMATIC DIAGRAM-5

K EQ CIRCUIT

:POSITIVE VOLTAGE LINE :NEGATIVE VOLTAGE LINE :AUDIO SIGNAL(ANALOG) LINE

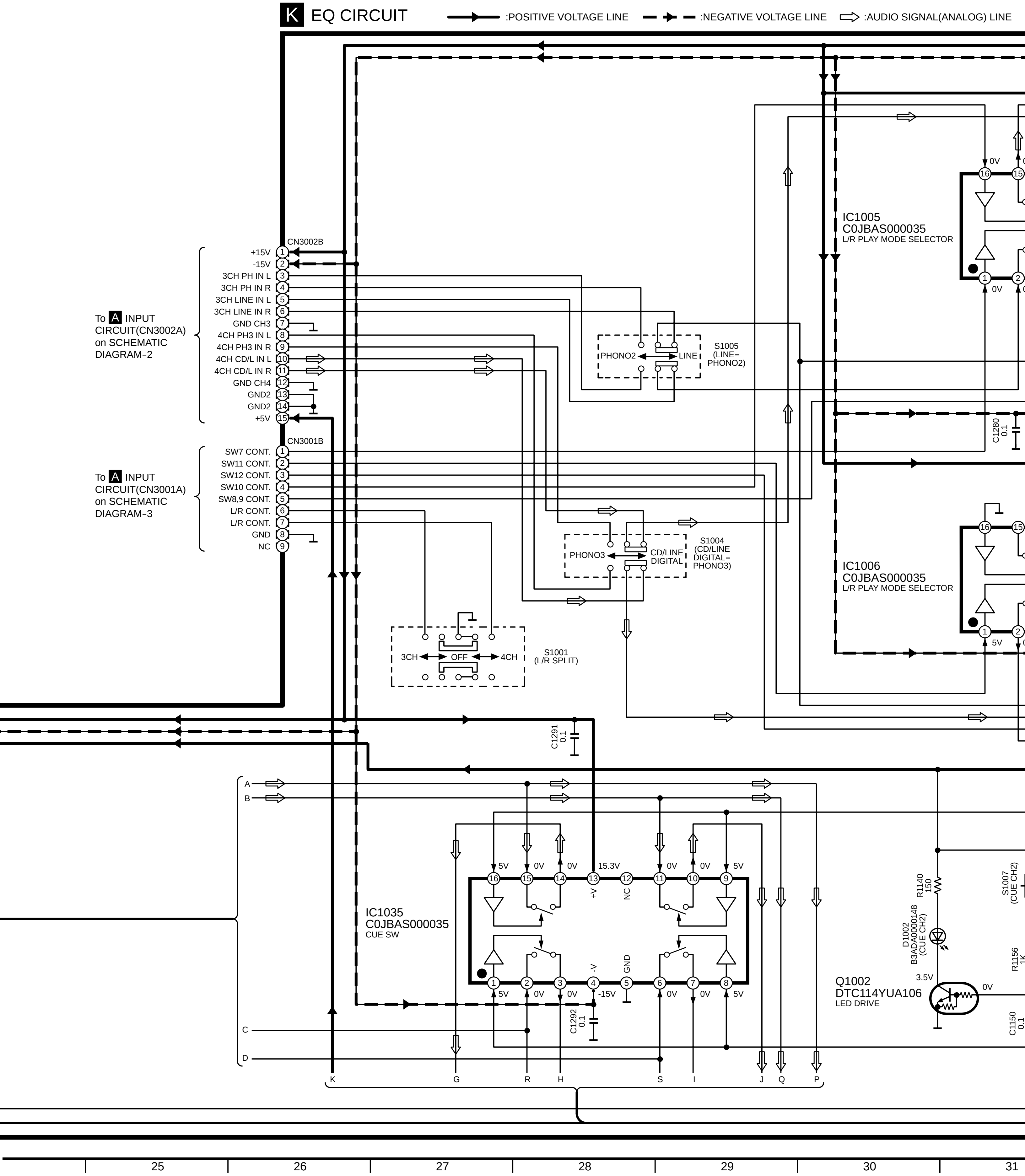


AUDIO SIGNAL(ANALOG) LINE

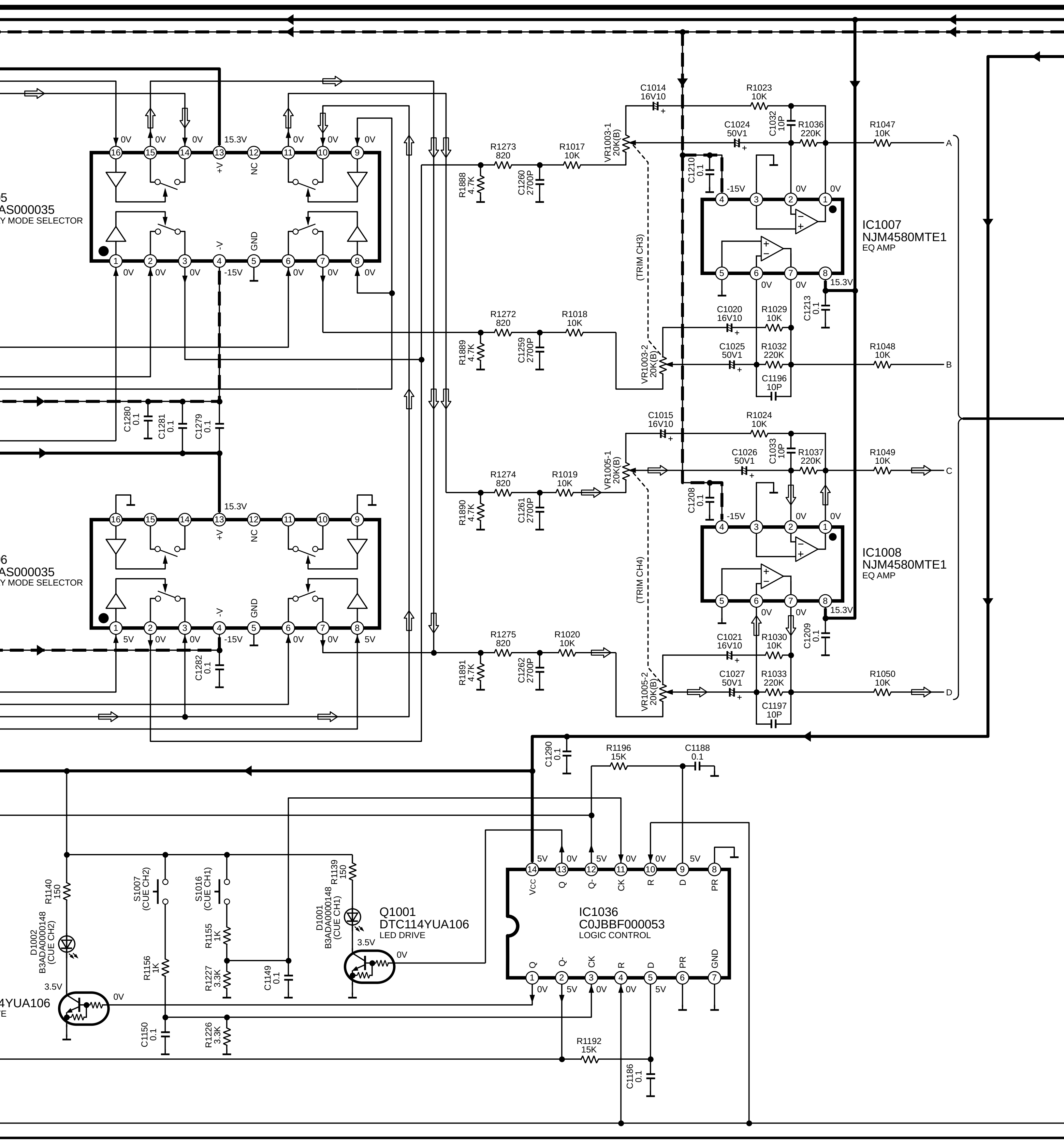


18 19 20 21 22 23 24

SCHEMATIC DIAGRAM-6



UDIO SIGNAL(ANALOG) LINE

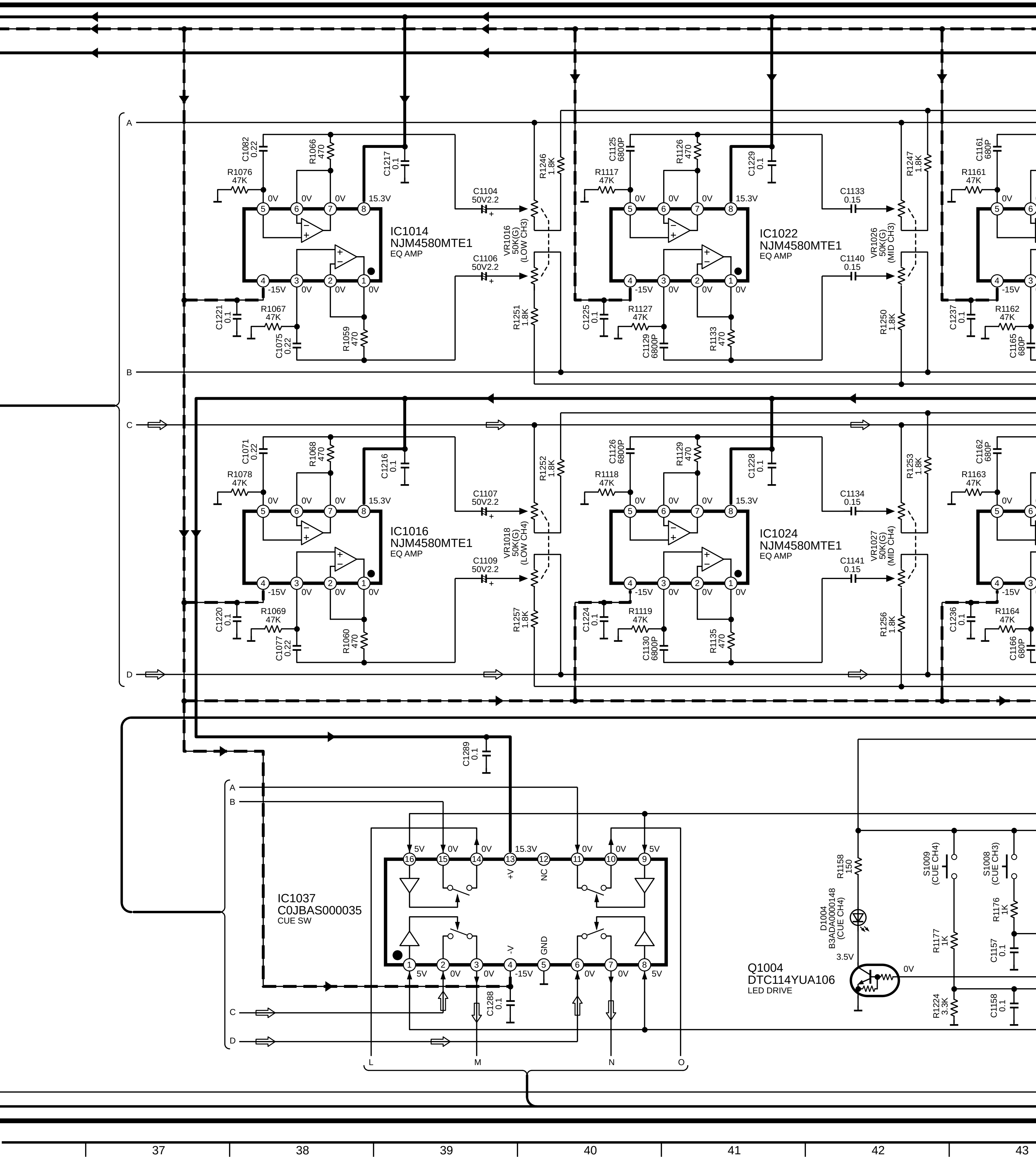


0 | 31 | 32 | 33 | 34 | 35 | 36

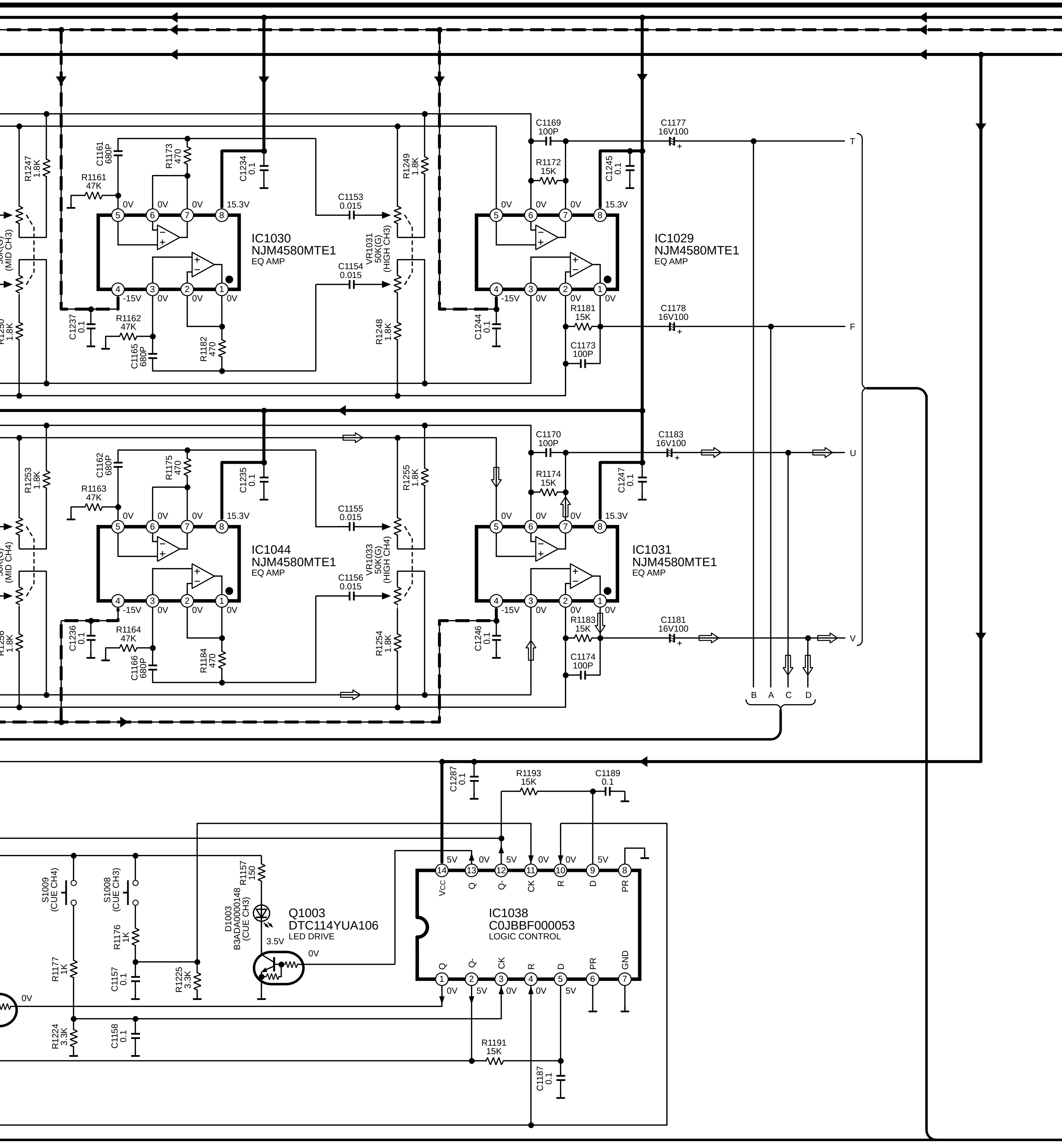
SCHEMATIC DIAGRAM-7

K EQ CIRCUIT

:POSITIVE VOLTAGE LINE :NEGATIVE VOLTAGE LINE :AUDIO SIGNAL(ANALOG) LINE



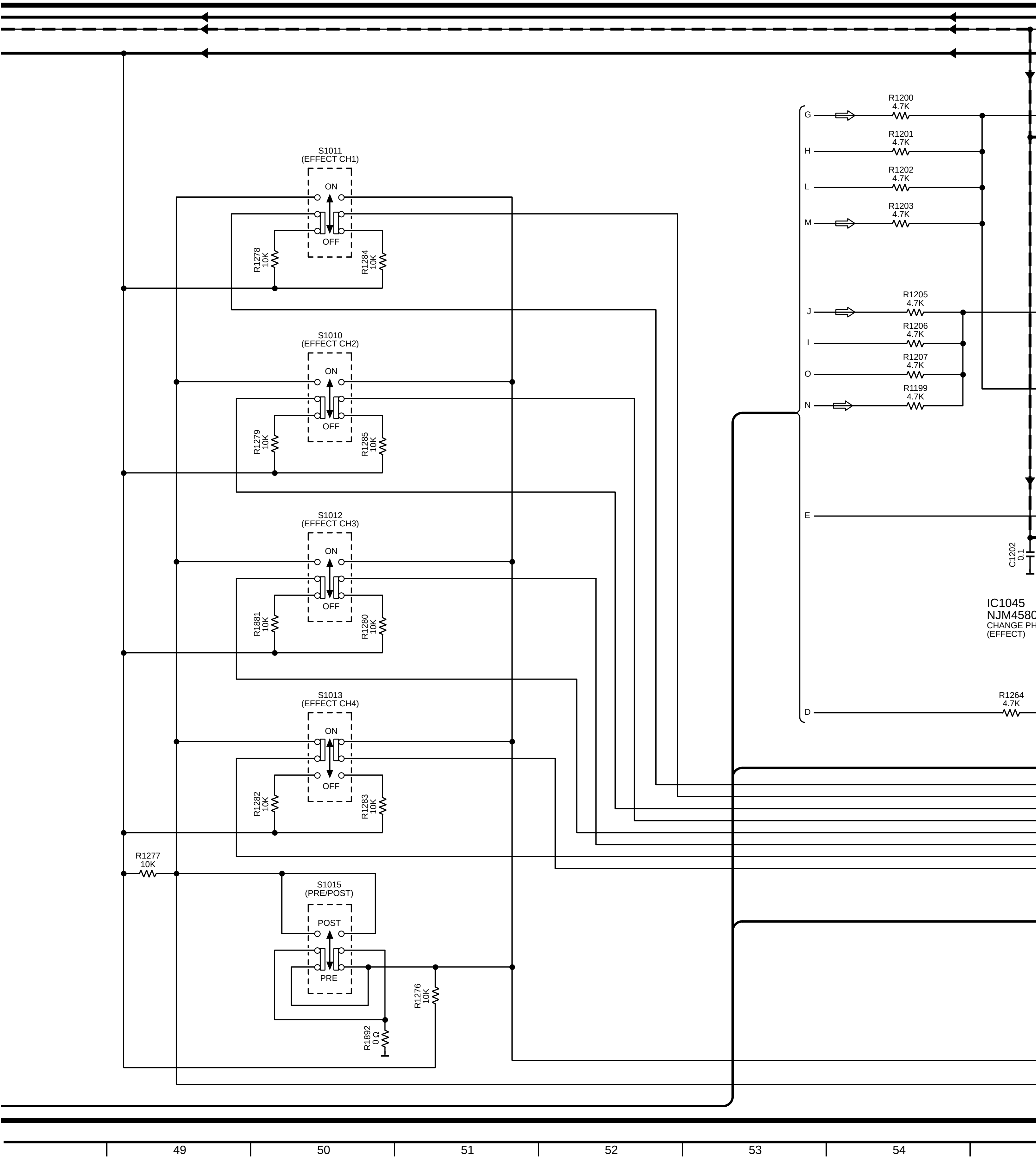
AUDIO SIGNAL(ANALOG) LINE



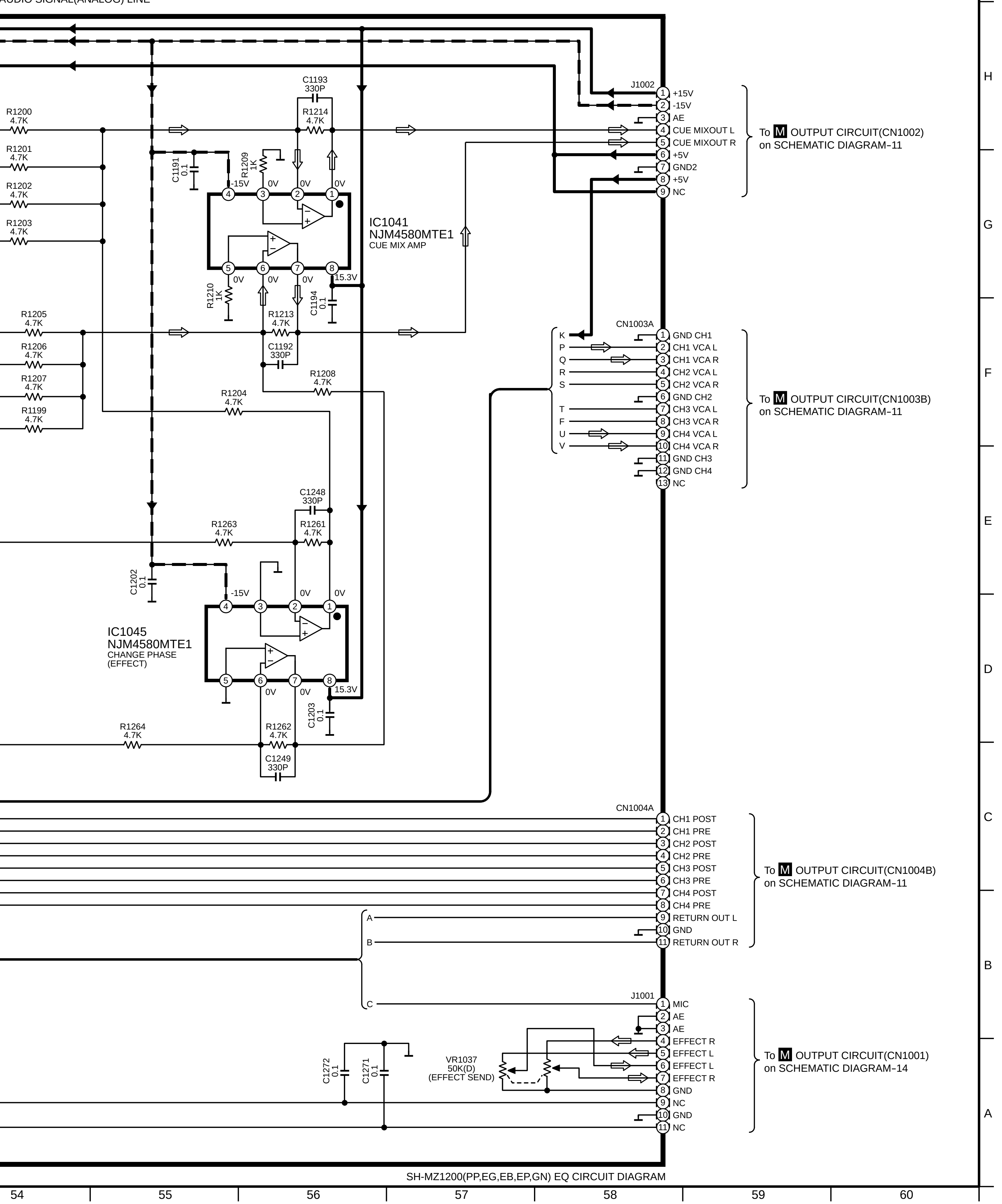
SCHEMATIC DIAGRAM–8

K EQ CIRCUIT

:POSITIVE VOLTAGE LINE :NEGATIVE VOLTAGE LINE :AUDIO SIGNAL(ANALOG) LINE



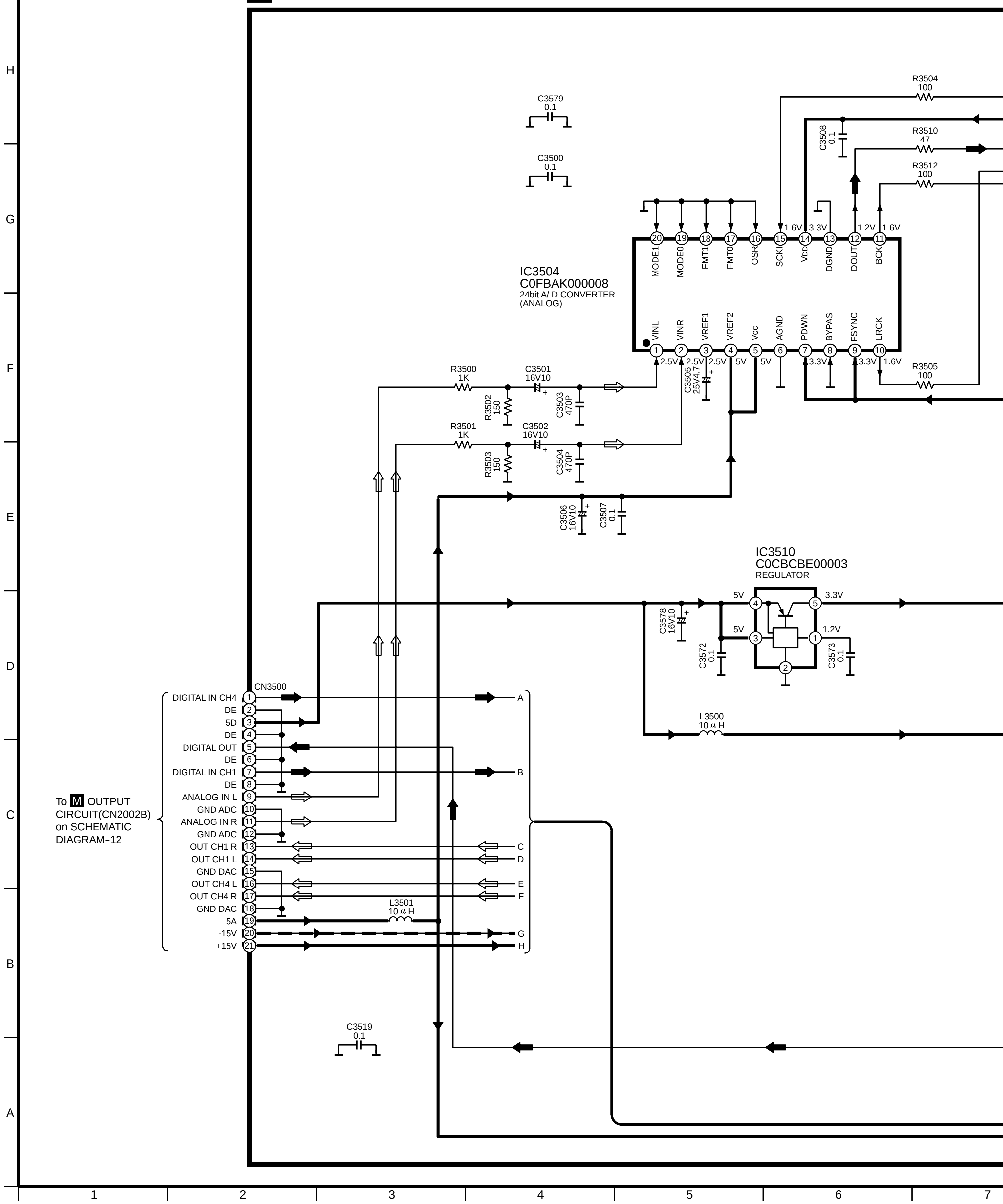
AUDIO SIGNAL(ANALOG) LINE



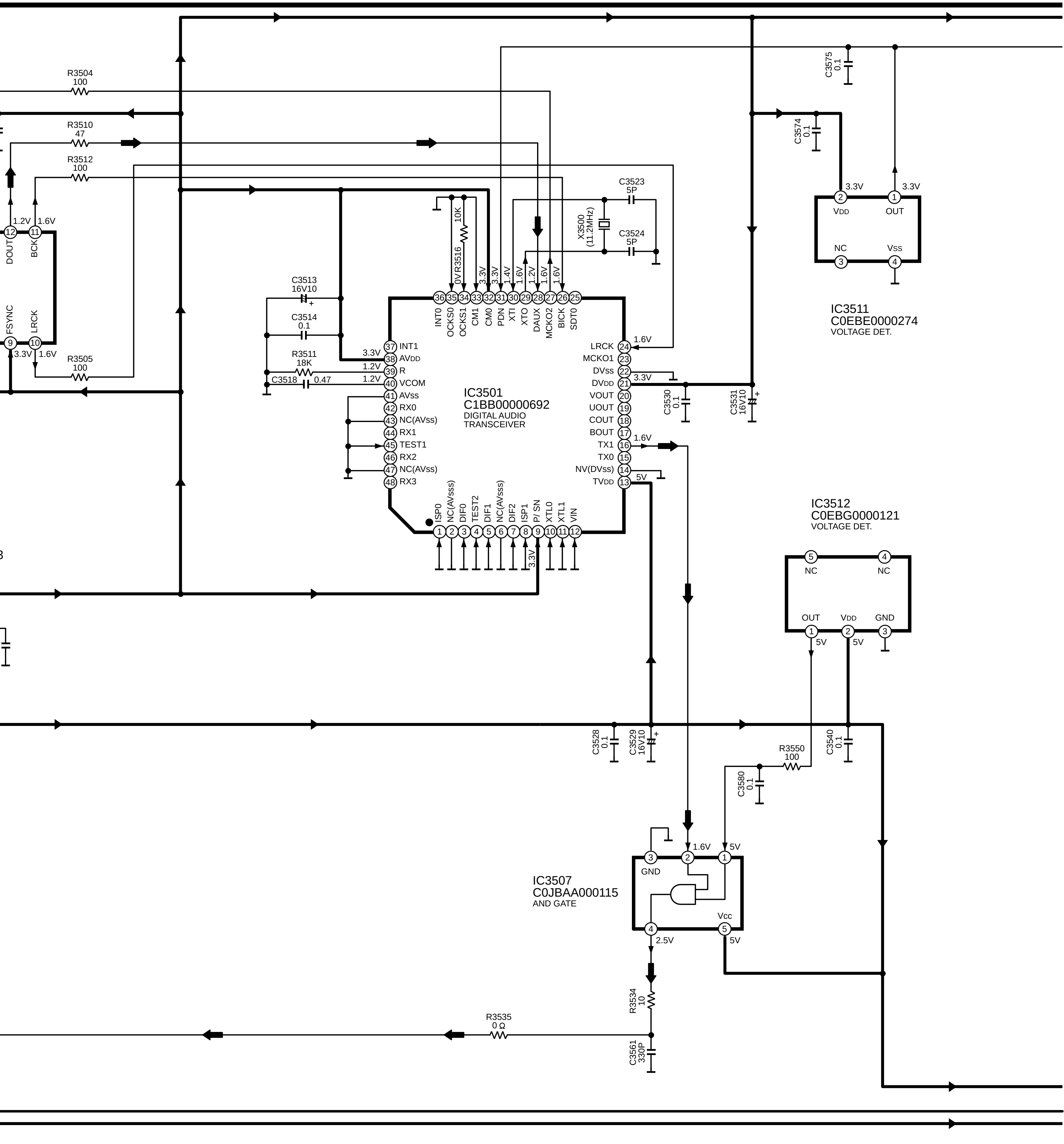
SCHEMATIC DIAGRAM-9

L SUB CIRCUIT

:POSITIVE VOLTAGE LINE :NEGATIVE VOLTAGE LINE :AUDIO SIGNAL(ANALOG) LIN



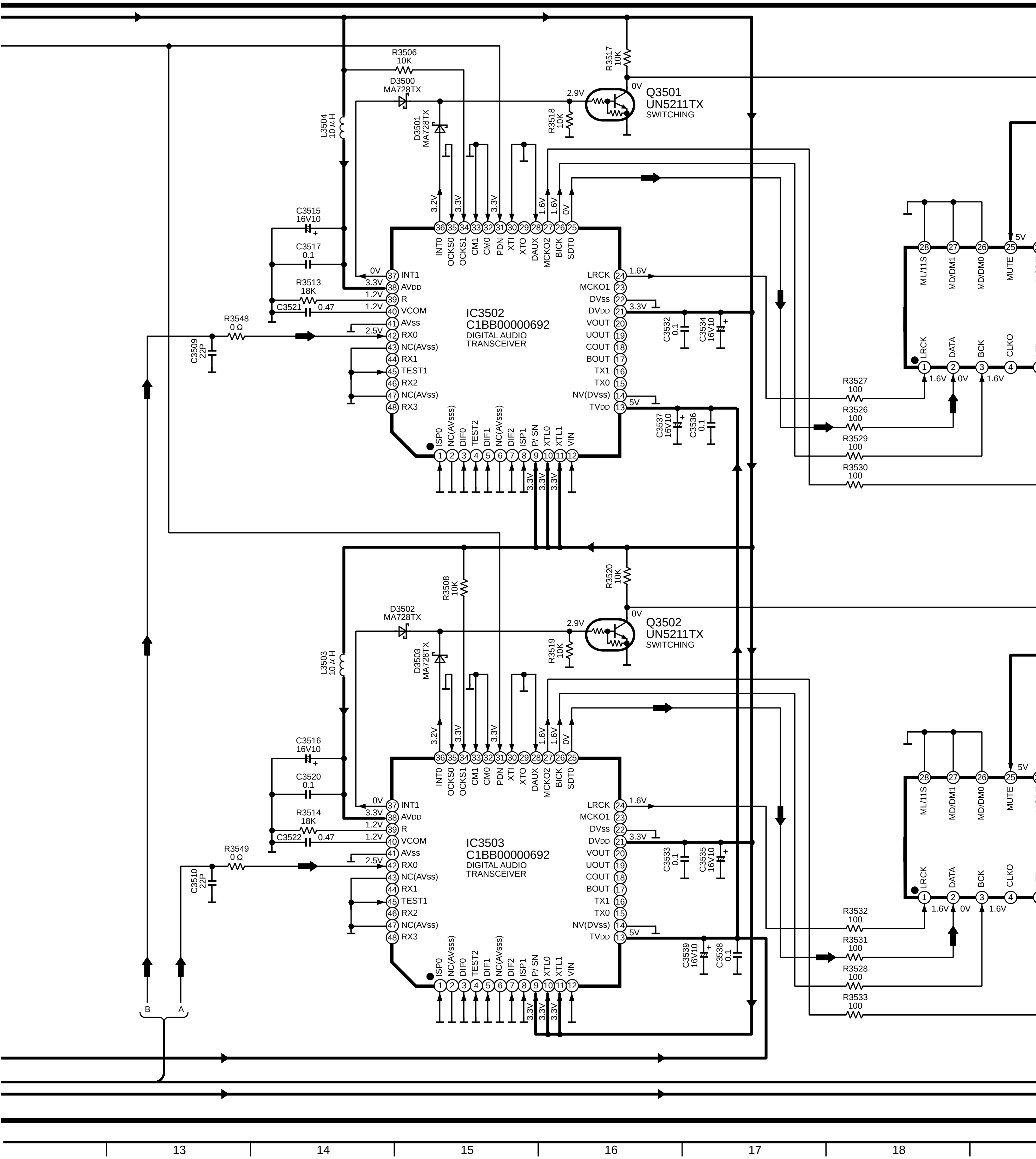
:AUDIO SIGNAL(ANALOG) LINE :AUDIO SIGNAL(DIGITAL) LINE



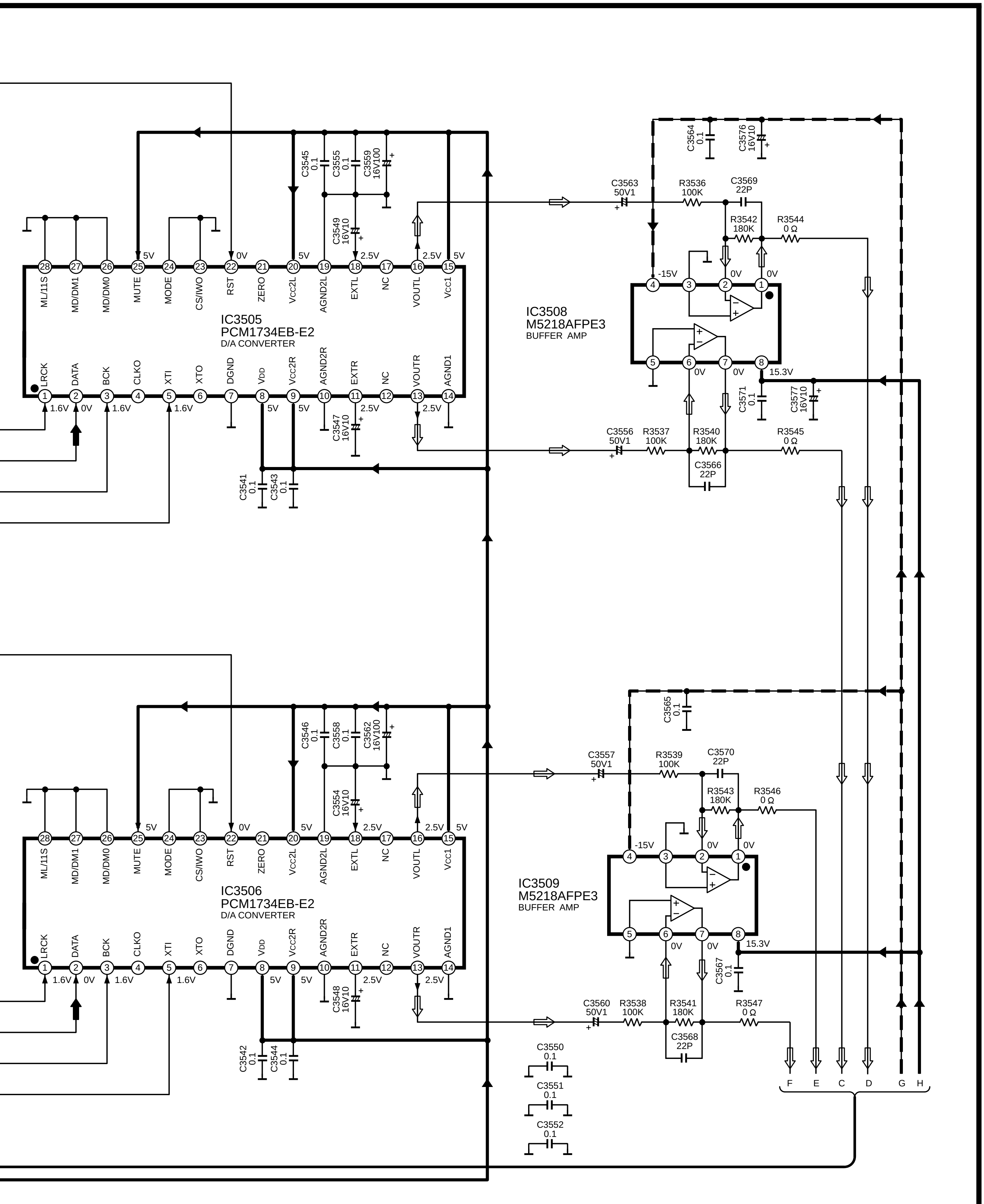
SCHEMATIC DIAGRAM–10

L SUB CIRCUIT

:POSITIVE VOLTAGE LINE :NEGATIVE VOLTAGE LINE :AUDIO SIGNAL(ANALOG) LINE



AUDIO SIGNAL(ANALOG) LINE :AUDIO SIGNAL(DIGITAL) LINE

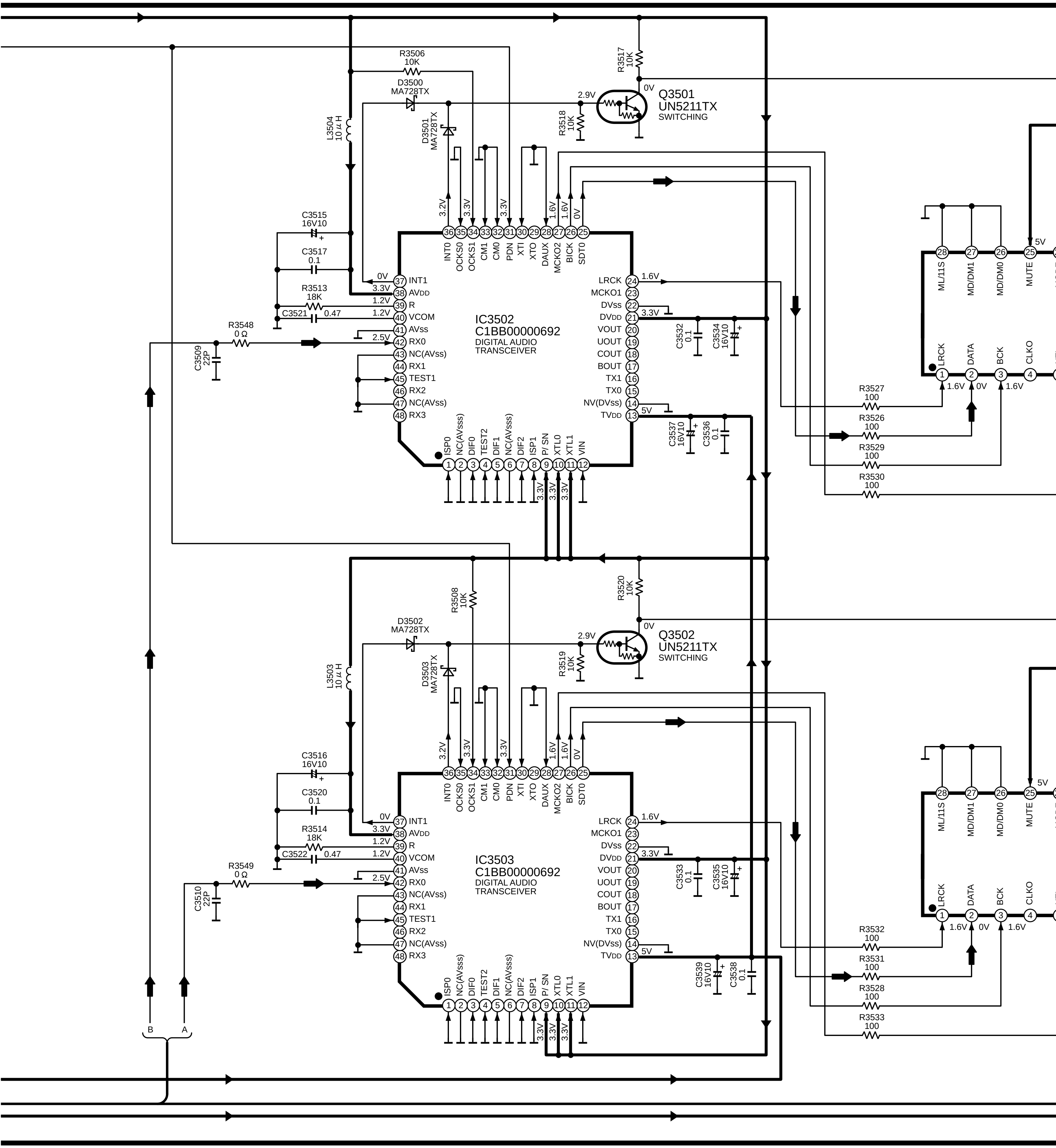


SH-MZ1200(PP,EG,EB,EP,GN) SUB CIRCUIT DIAGRAM

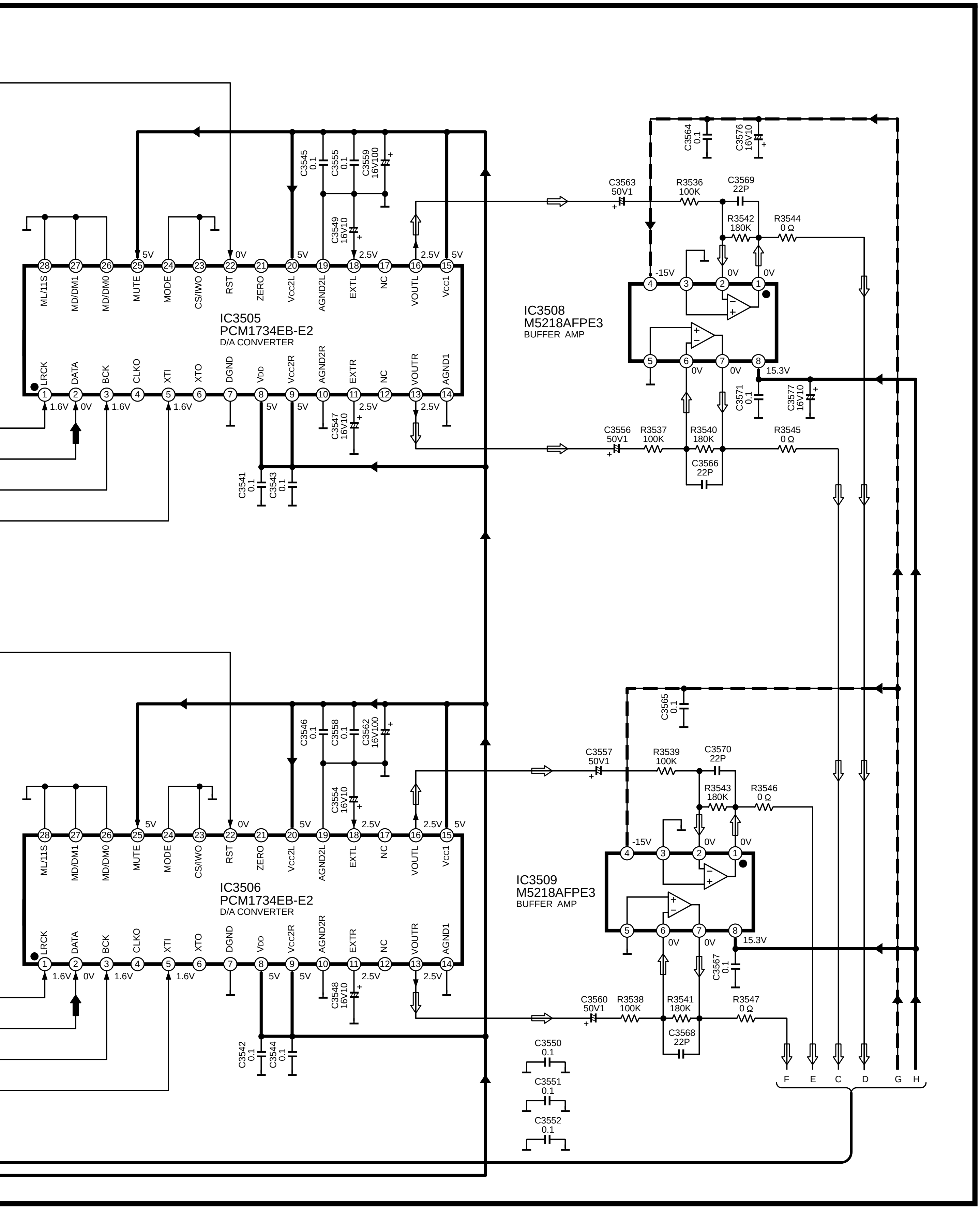
SCHEMATIC DIAGRAM-10

L SUB CIRCUIT

:POSITIVE VOLTAGE LINE :NEGATIVE VOLTAGE LINE :AUDIO SIGNAL(ANALOG) LINE



AUDIO SIGNAL(ANALOG) LINE :AUDIO SIGNAL(DIGITAL) LINE



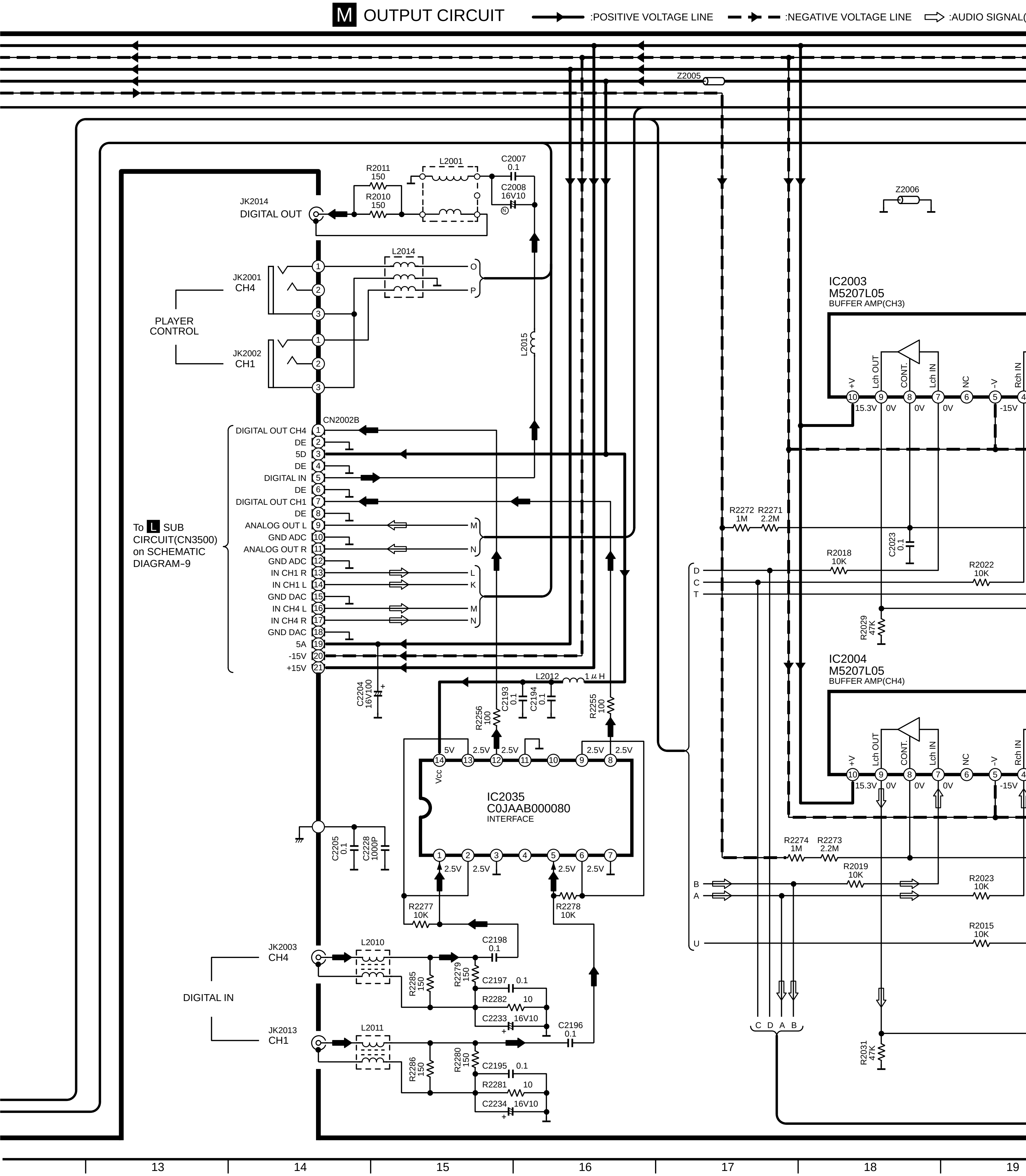
SH-MZ1200(PP,EG,EB,EP,GN) SUB CIRCUIT DIAGRAM

18 19 20 21 22 23 24

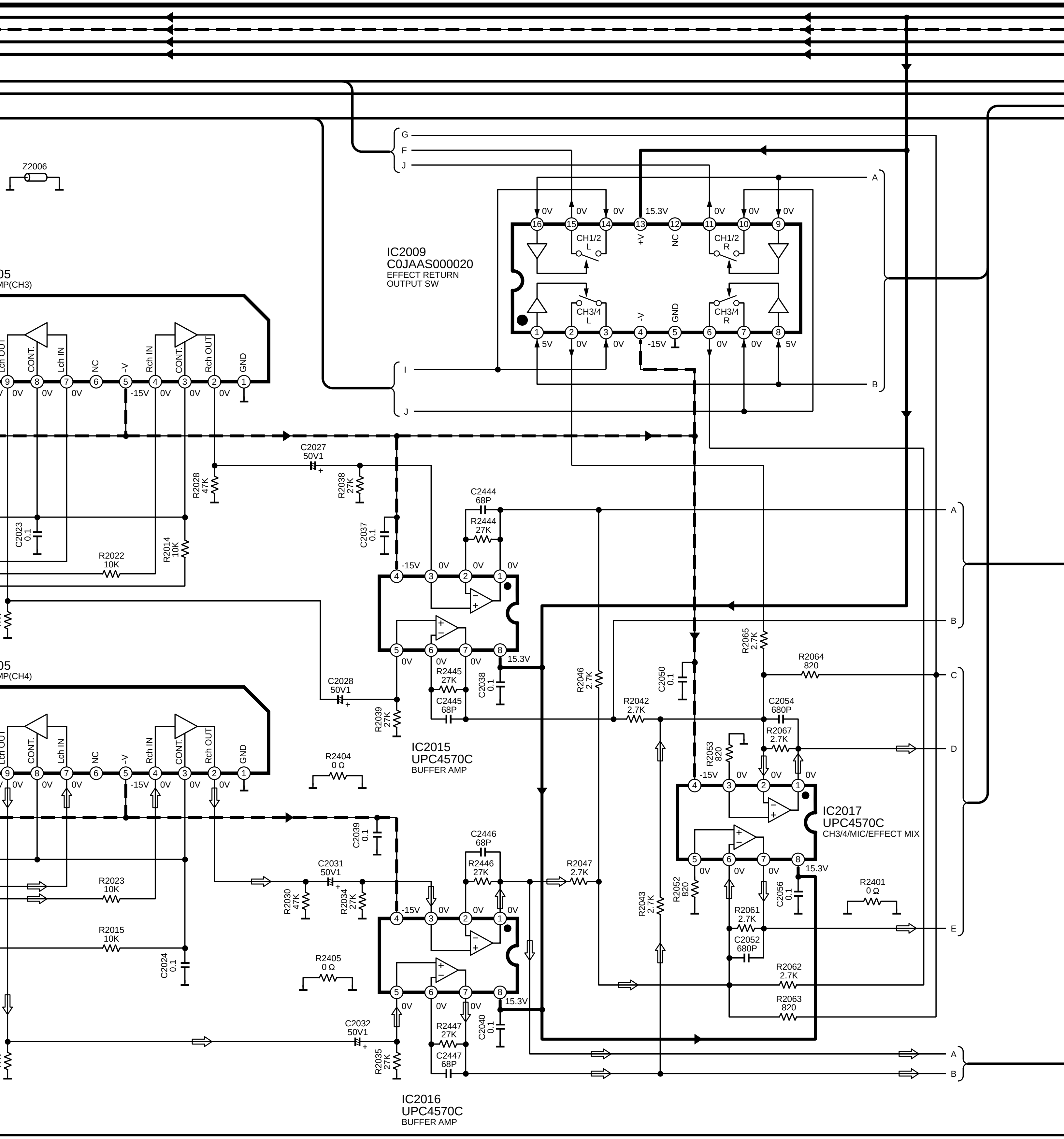
H G F E D C B A

SCHEMATIC DIAGRAM–12

M OUTPUT CIRCUIT



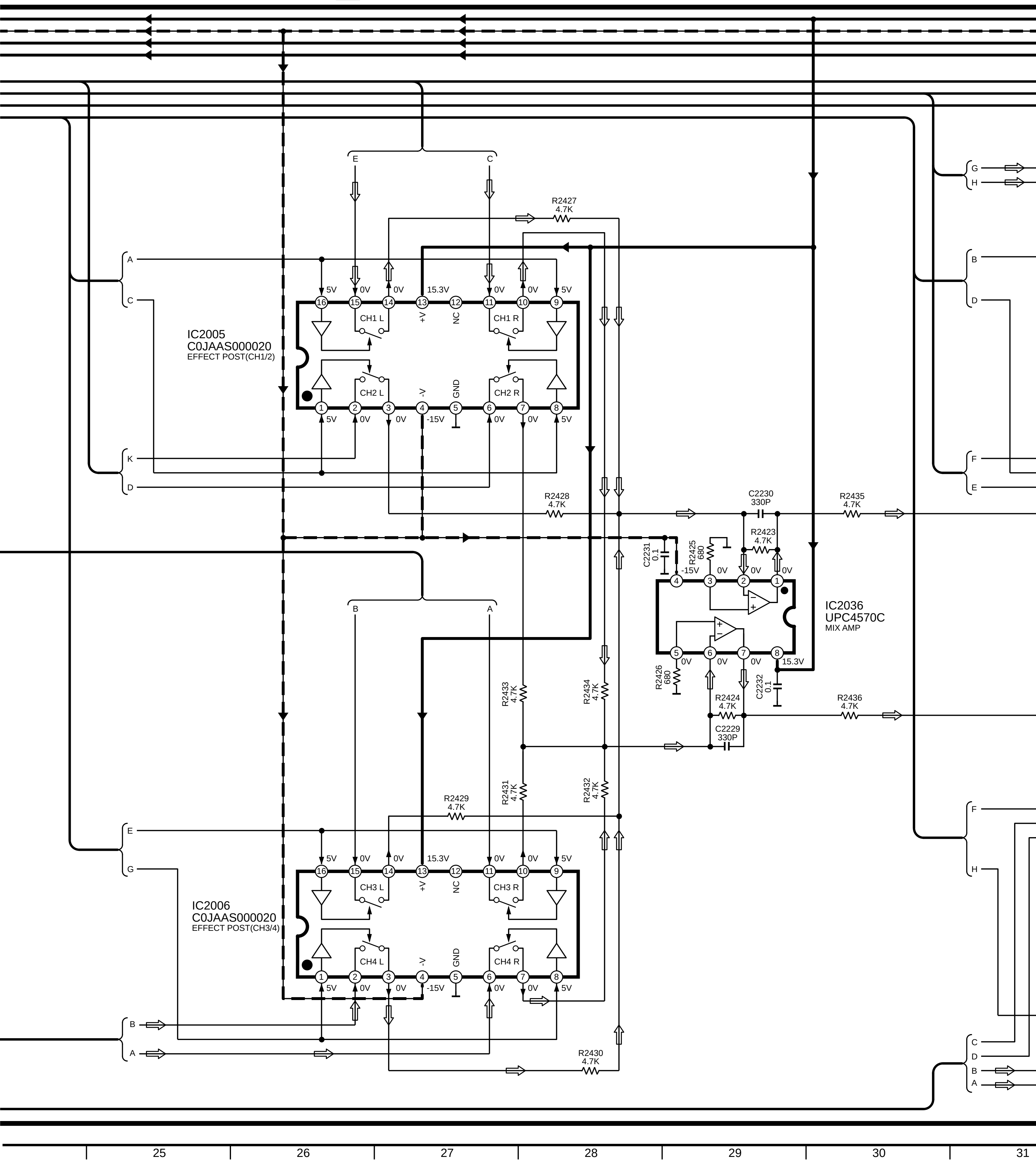
GE LINE :AUDIO SIGNAL(ANALOG) LINE :AUDIO SIGNAL(DIGITAL) LINE



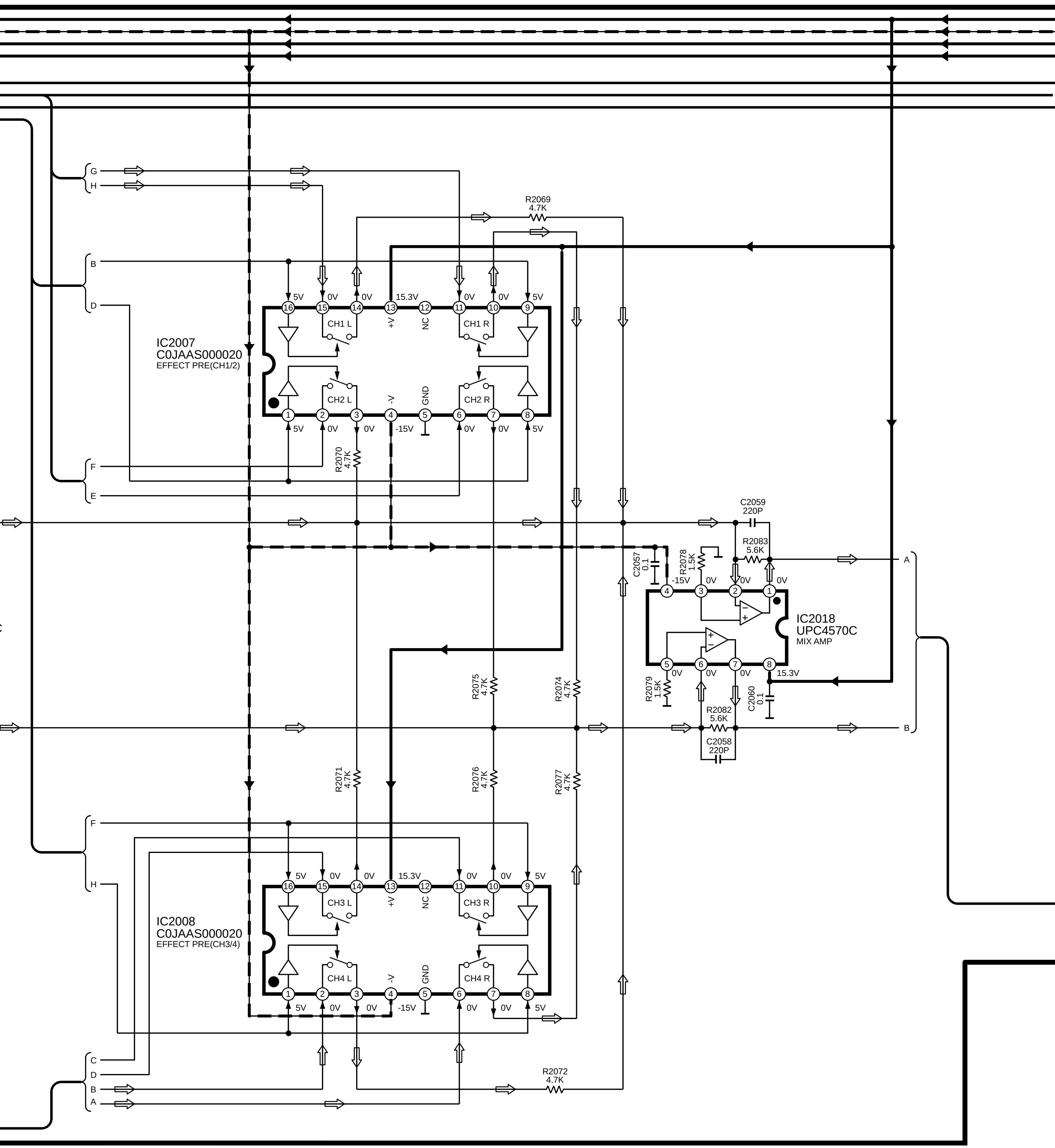
SCHEMATIC DIAGRAM-13

M OUTPUT CIRCUIT

:POSITIVE VOLTAGE LINE :NEGATIVE VOLTAGE LINE :AUDIO SIGNAL(

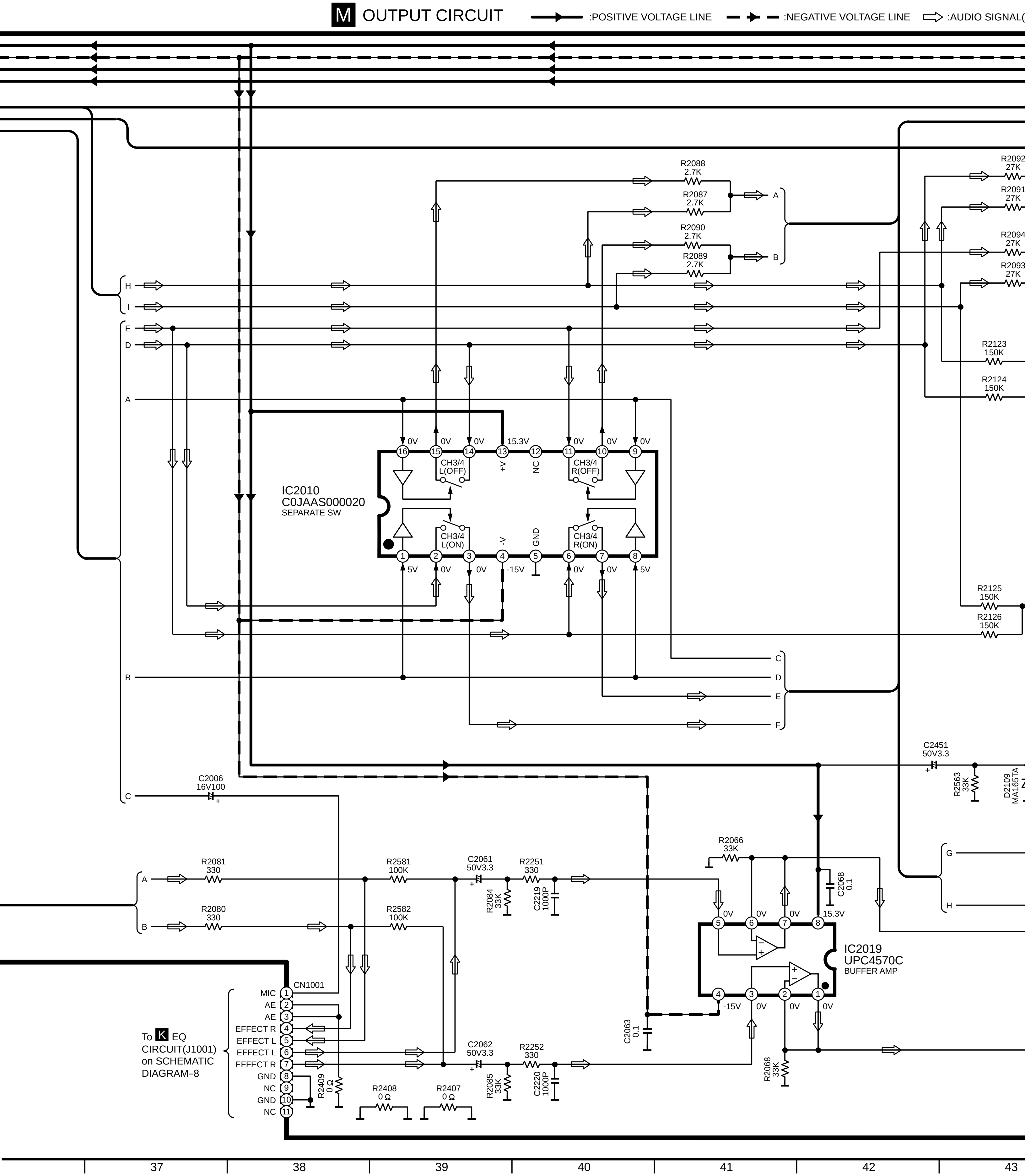


GE LINE :AUDIO SIGNAL(ANALOG) LINE

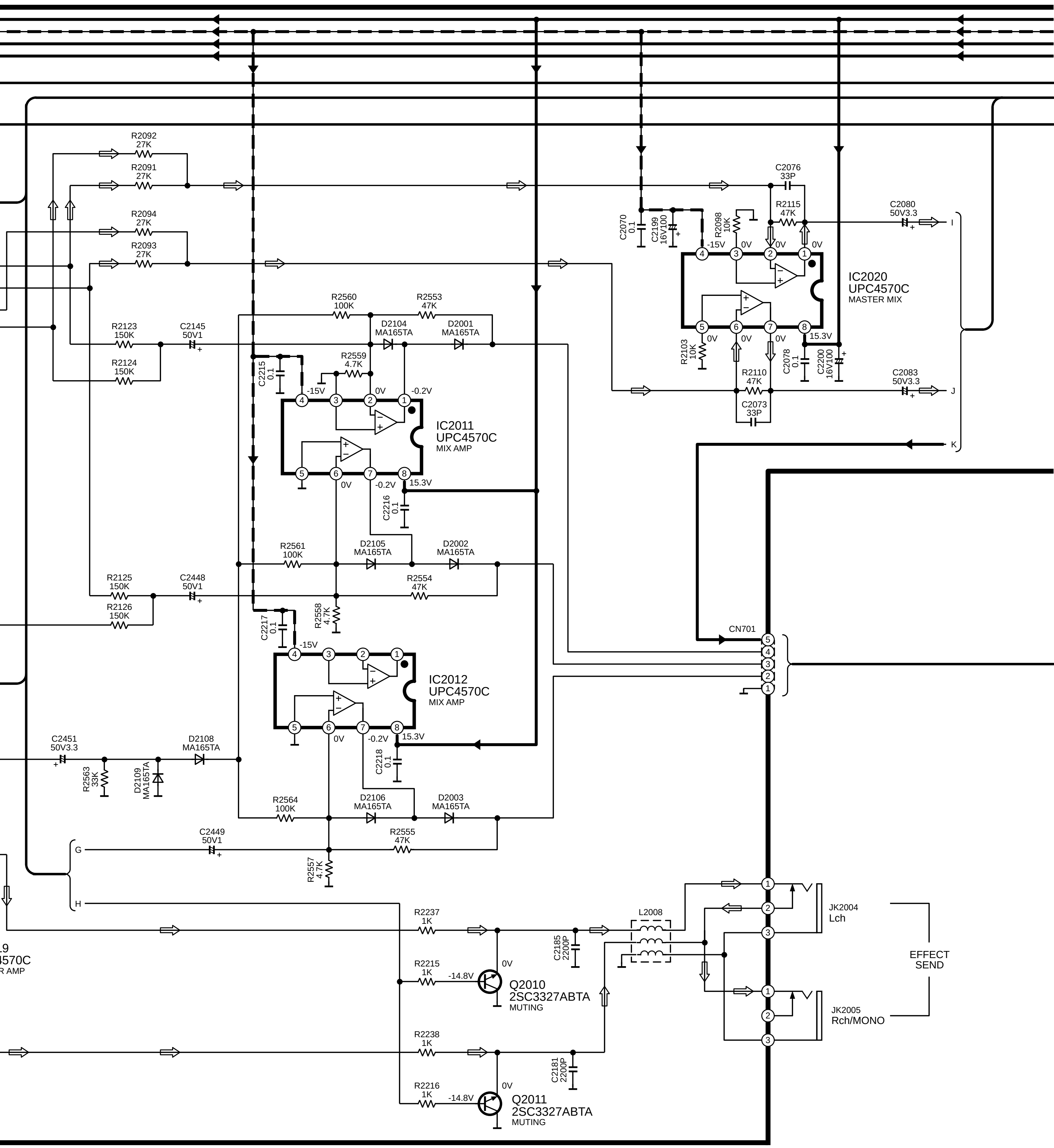


SCHEMATIC DIAGRAM-14

M OUTPUT CIRCUIT



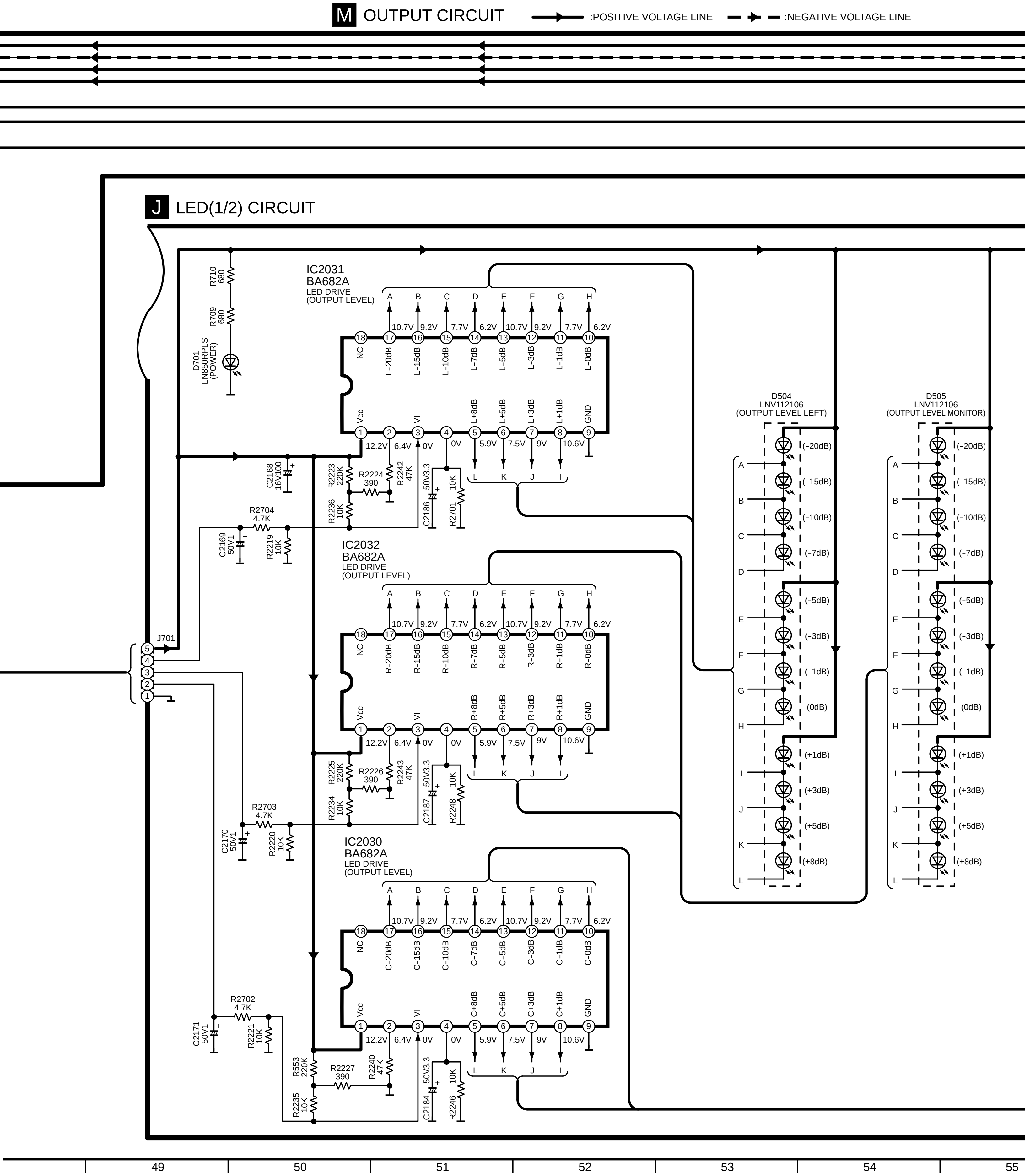
GE LINE :AUDIO SIGNAL(ANALOG) LINE



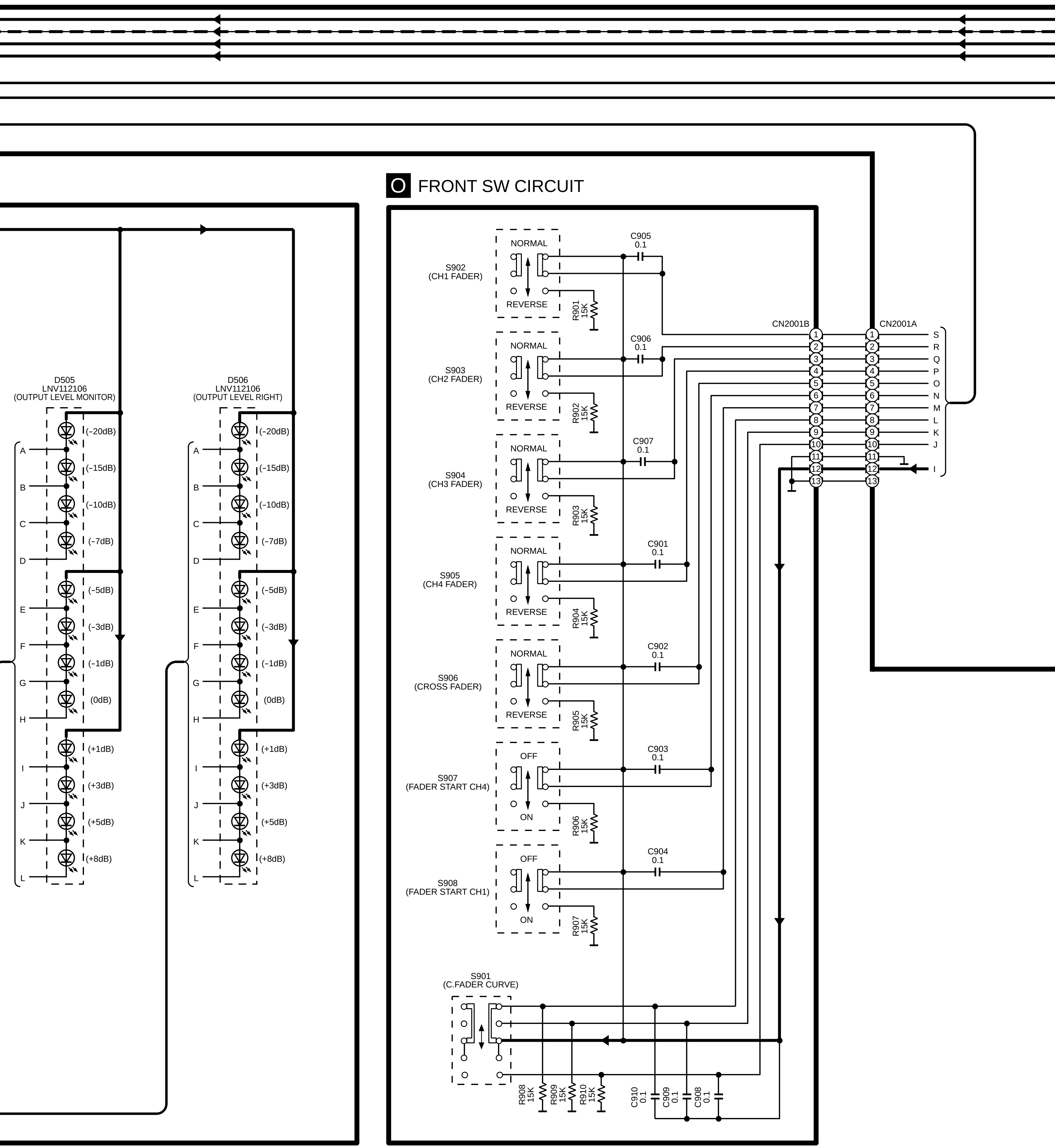
SH-MZ1200(PP,EG,EB,EP,GN) OUTPUT CIRCUIT DIAGRAM

2 | 43 | 44 | 45 | 46 | 47 | 48

SCHEMATIC DIAGRAM–15



GE LINE



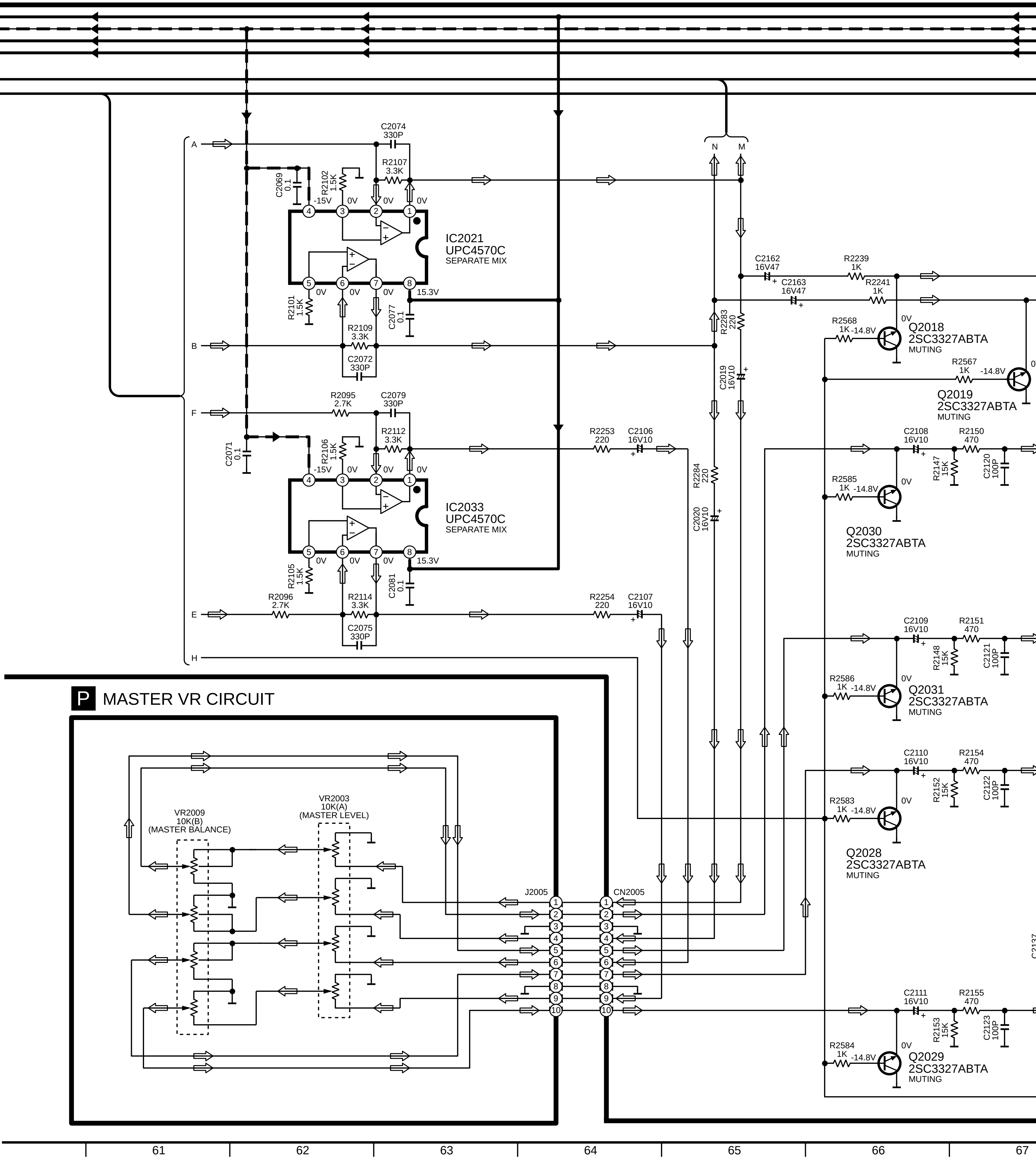
SH-MZ1200(PP,EG,EB,EP,GN) OUTPUT,LED,FRONT SW CIRCUIT DIAGRAM

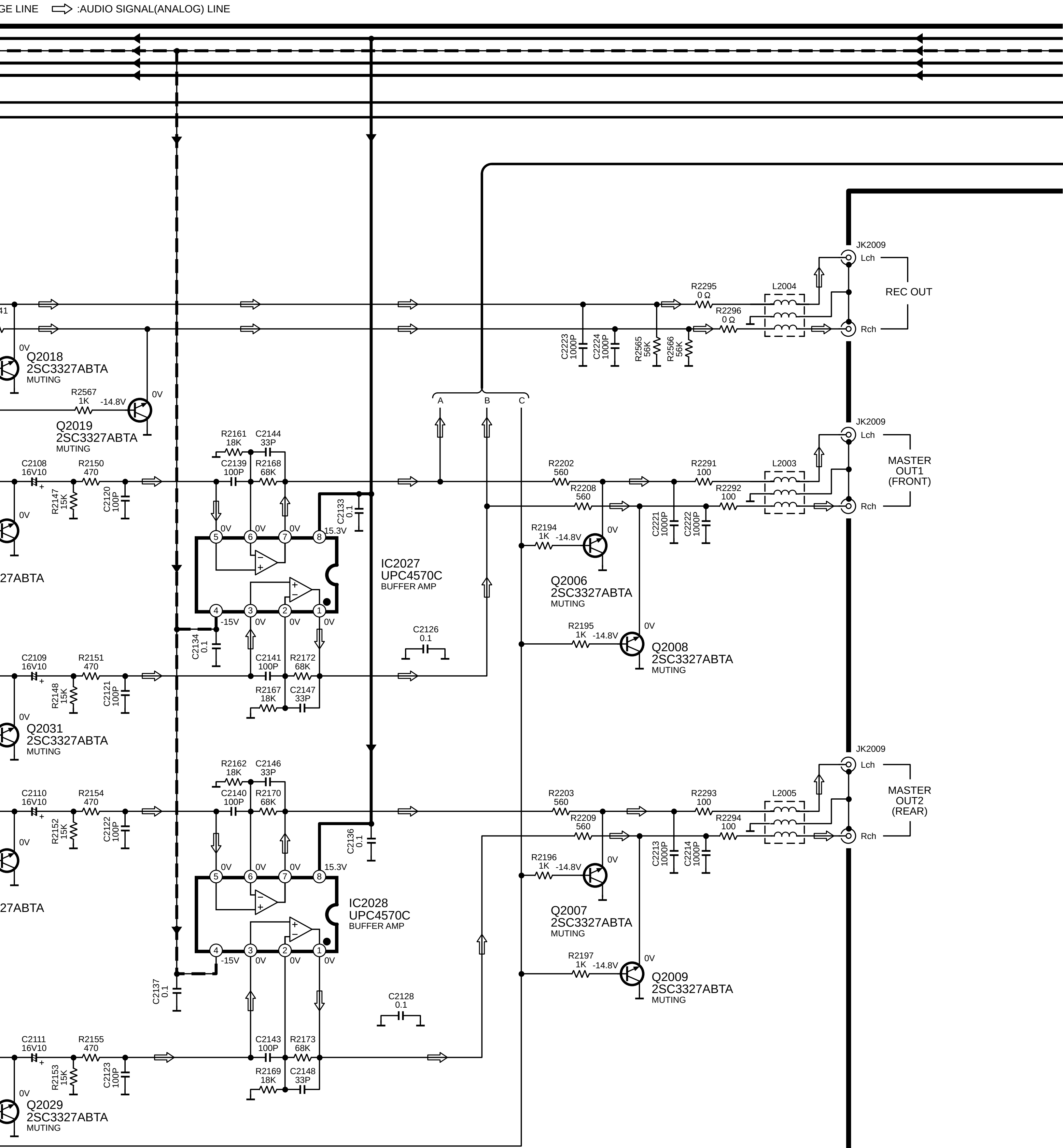
4 | 55 | 56 | 57 | 58 | 59 | 60

SCHEMATIC DIAGRAM-16

M OUTPUT CIRCUIT

:POSITIVE VOLTAGE LINE :NEGATIVE VOLTAGE LINE :AUDIO SIGNAL(





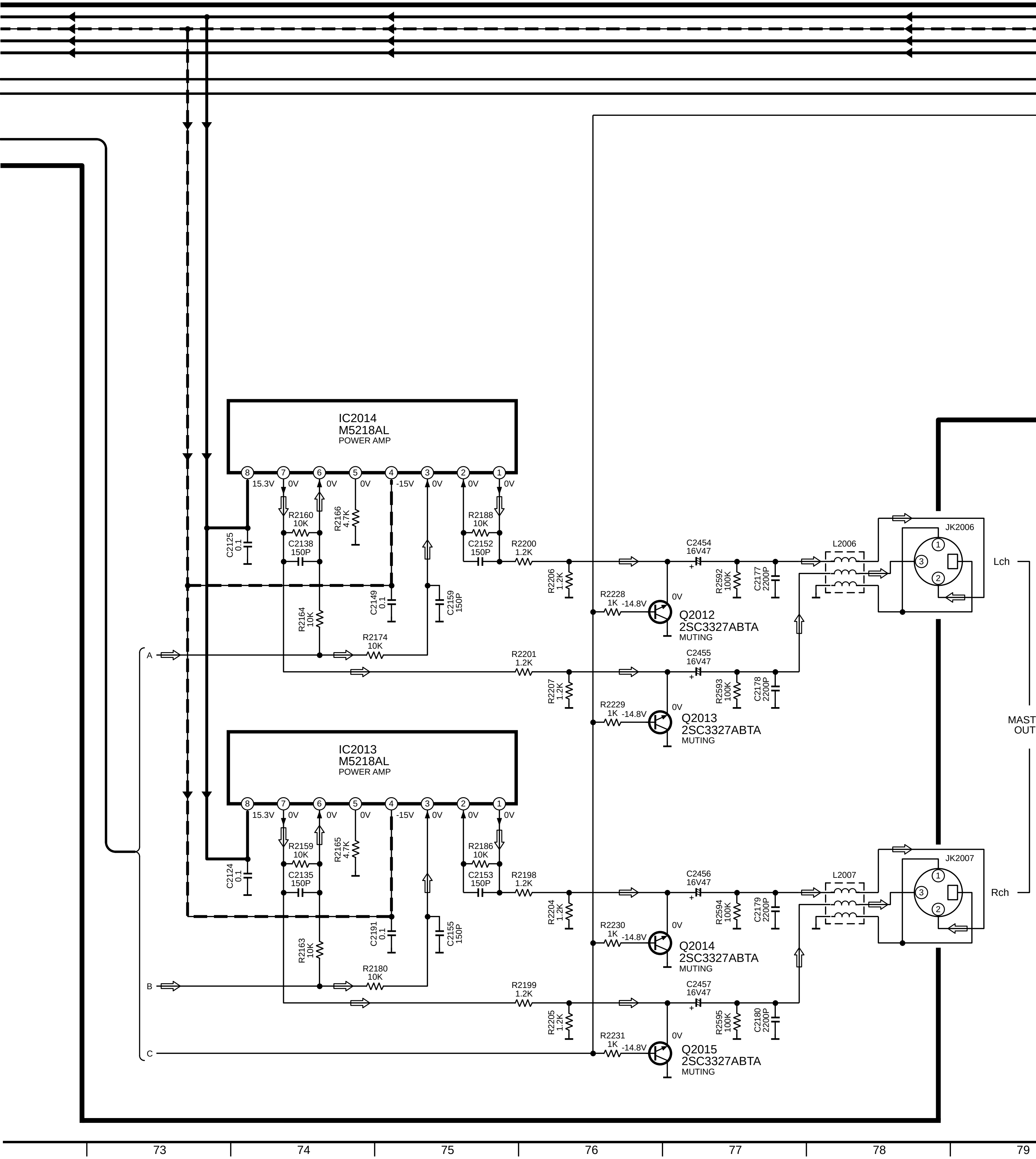
SH-MZ1200(PP,EG,EB,EP,GN) OUTPUT,MASTER VR CIRCUIT DIAGRAM

6 67 68 69 70 71 72

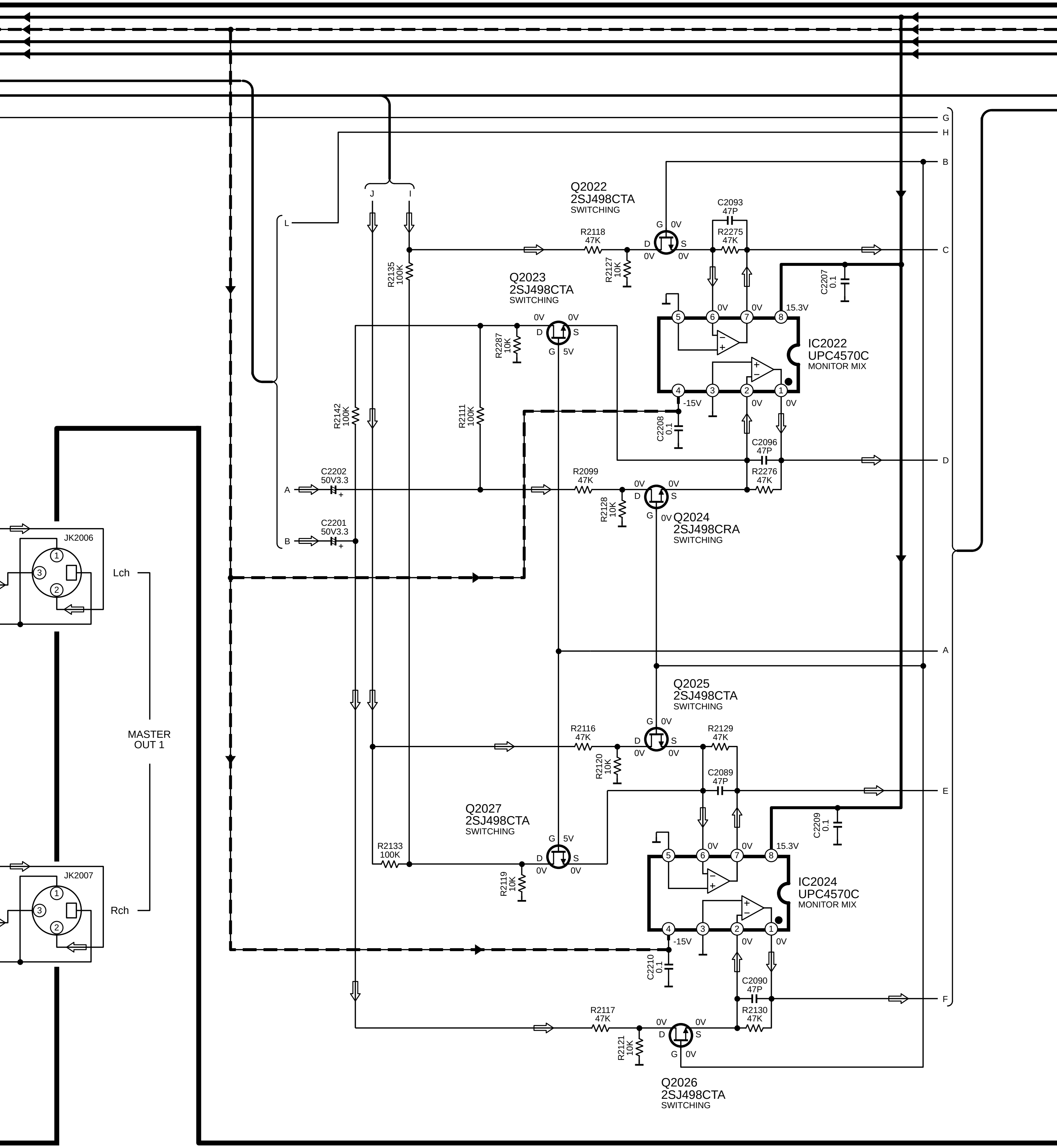
SCHEMATIC DIAGRAM–17

M OUTPUT CIRCUIT

:POSITIVE VOLTAGE LINE :NEGATIVE VOLTAGE LINE :AUDIO SIGNAL



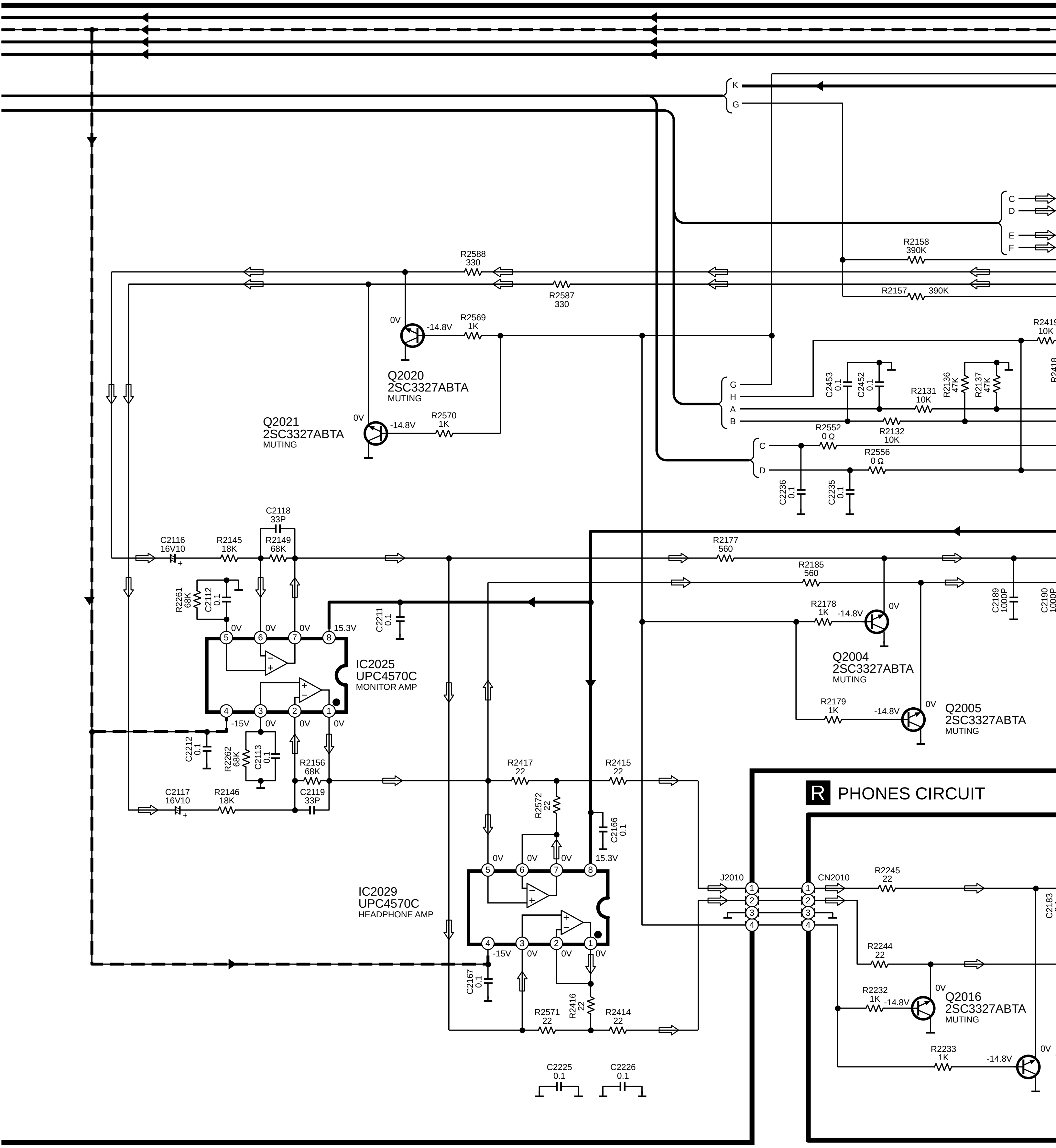
AGE LINE :AUDIO SIGNAL(ANALOG) LINE

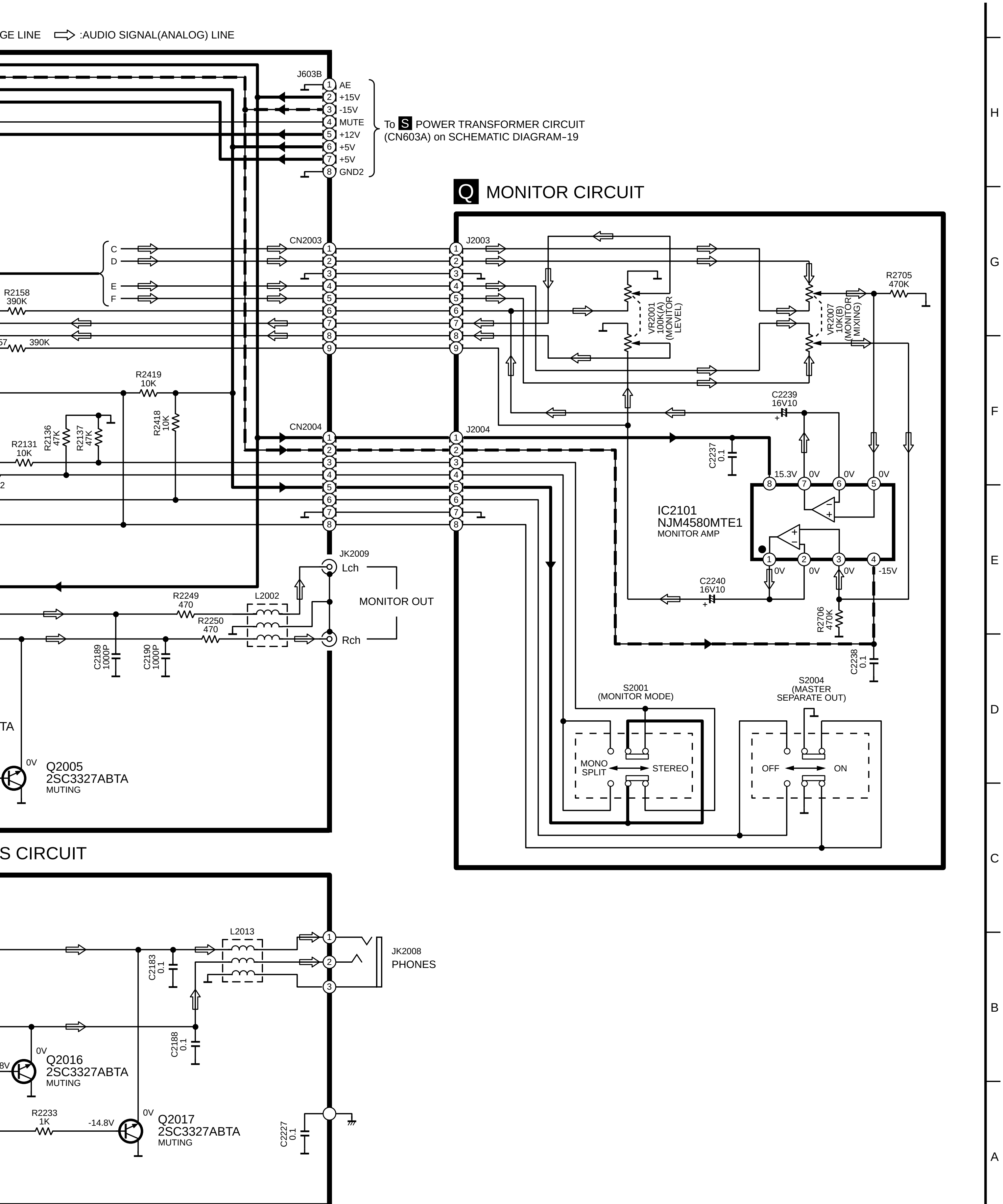


SH-MZ1200(PP,EG,EB,EP,GN) OUTPUT CIRCUIT DIAGRAM

M OUTPUT CIRCUIT

:POSITIVE VOLTAGE LINE :NEGATIVE VOLTAGE LINE :AUDIO SIGNAL

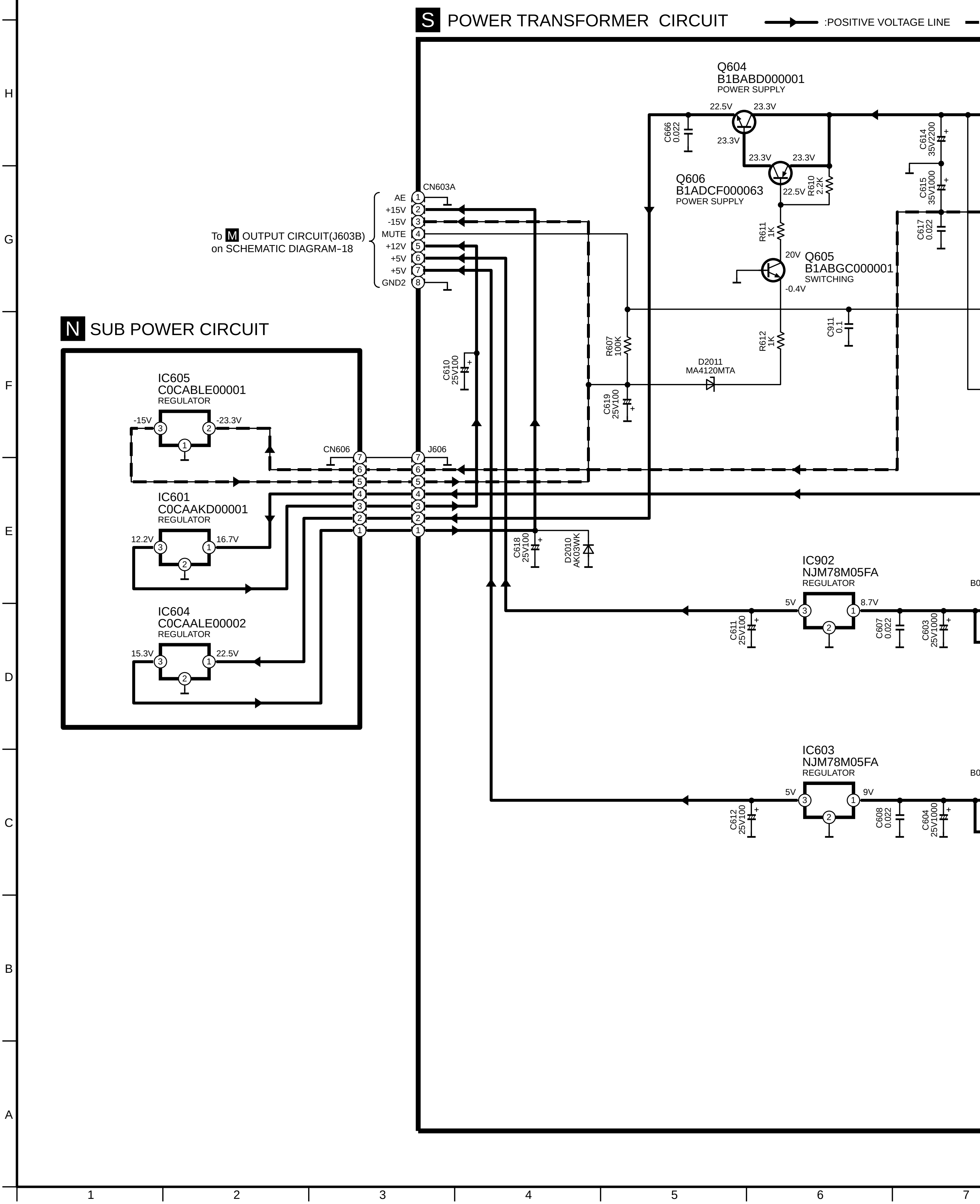


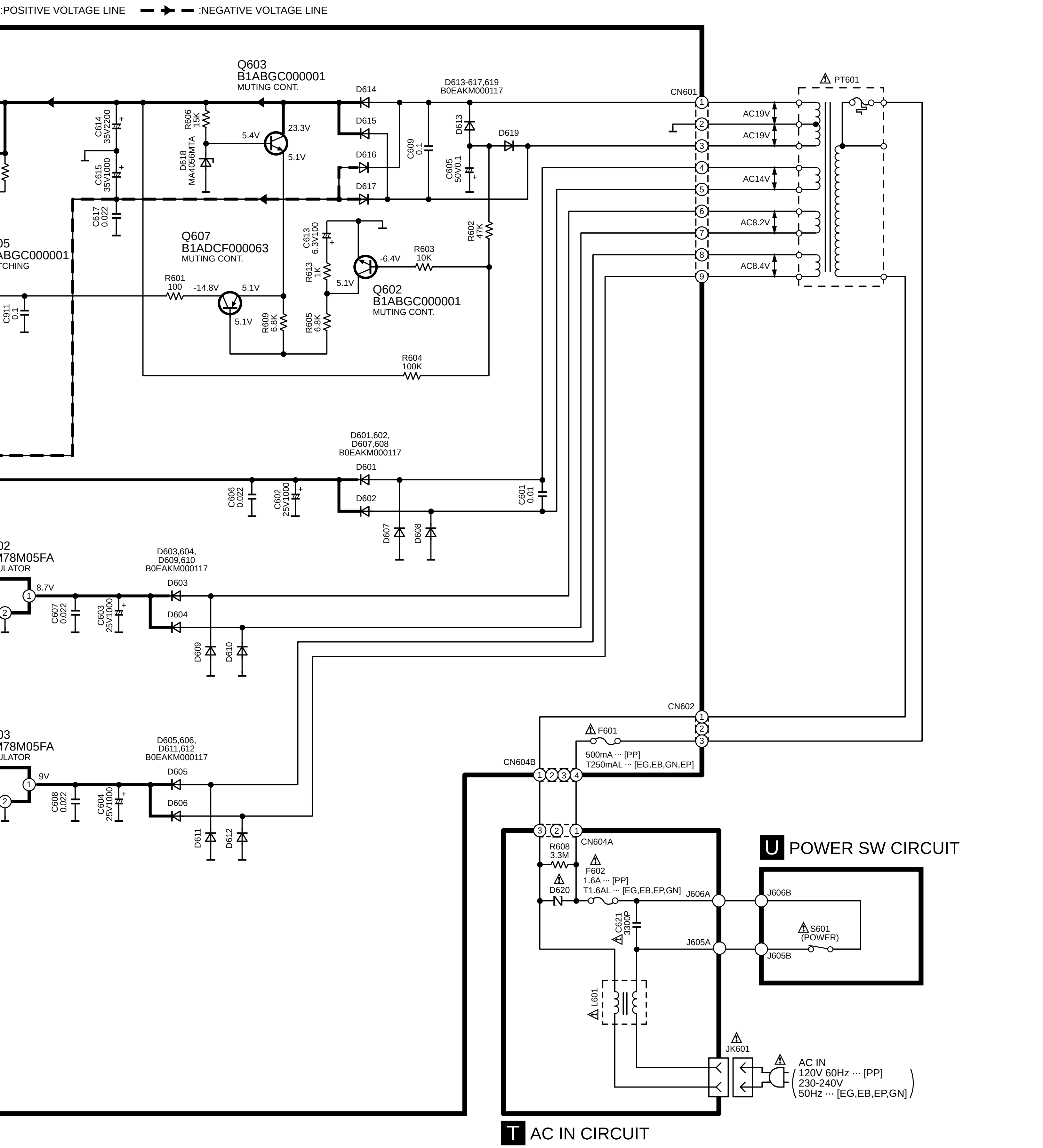


SH-MZ1200(PP,EG,EB,EP,GN) OUTPUT,MONITOR,PHONES CIRCUIT DIAGRAM

90 91 92 93 94 95 96

SCHEMATIC DIAGRAM-19





SH-MZ1200(PP,EG,EB,EP,GN) AC IN,POWER SW,POWER TRANSFORMER,SUB POWER CIRCUIT DIAGRAM