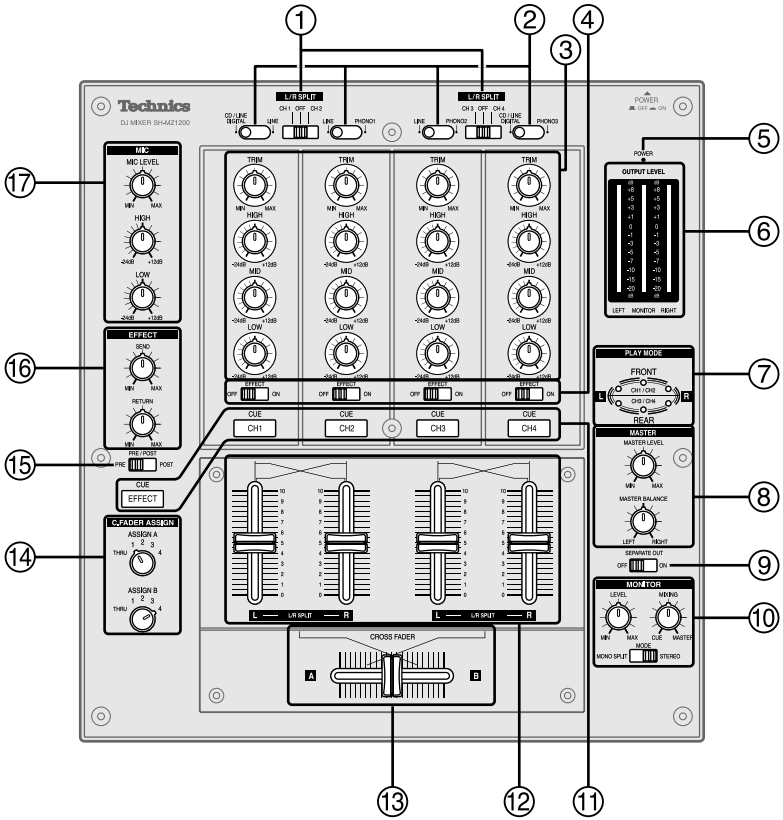
# Control panel




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)**

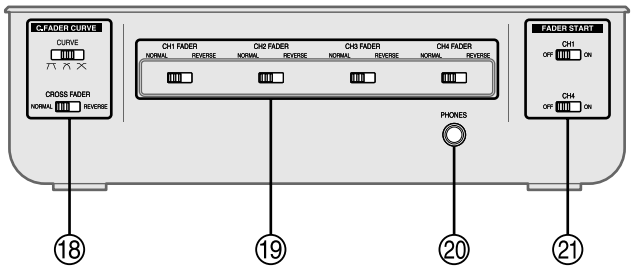
⑭ **Cross fader Assign A, B switch (C. FADER ASSIGN)**

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



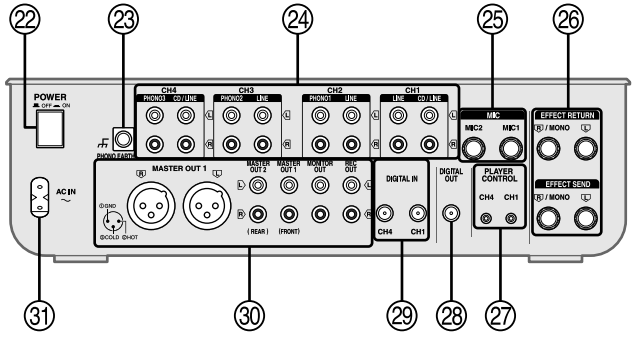

⑱ **Cross fader curve control switch (C.FADER CURVE)**
Curve switch (CURVE)
Cross fader operation switch (CROSS FADER)

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

⑳ **Headphone terminal (PHONES)**

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

## Rear panel




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)**

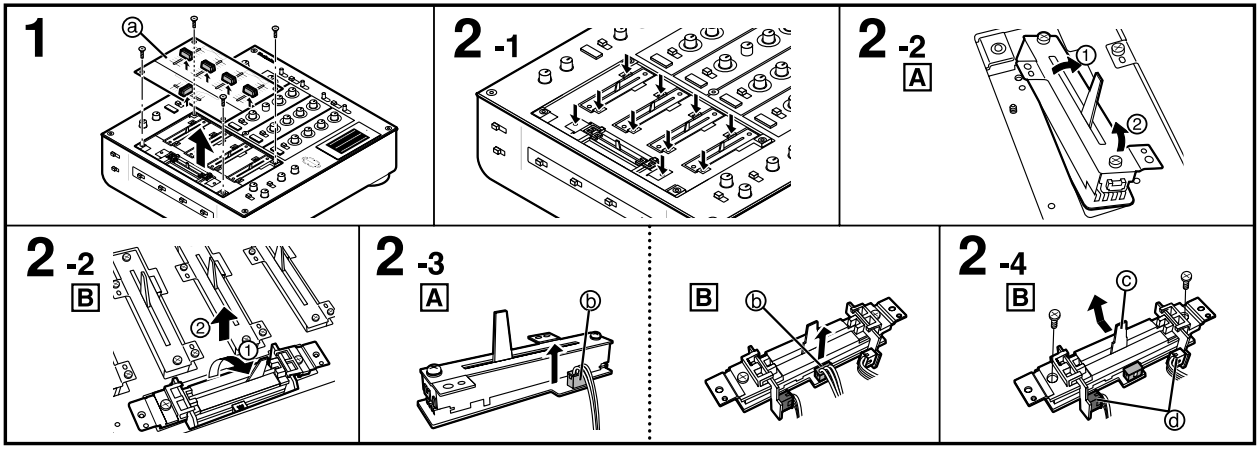
㉗ **Player control (CH1, CH4) terminal (PLAYER CONTROL)**

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 ～)**




## 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

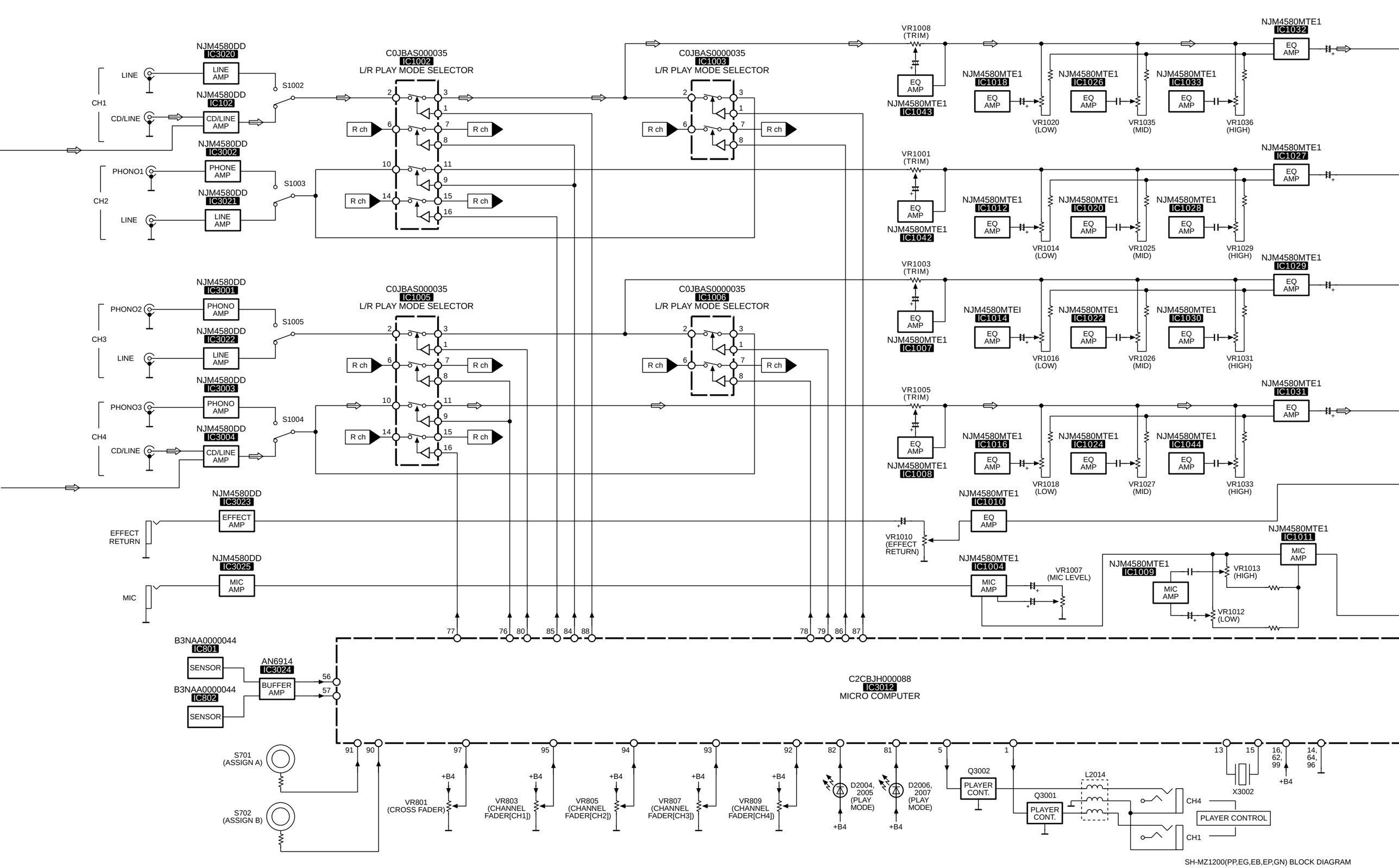
ⓓ 4 pin terminal

### 3 Attach the new channel fader or cross fader

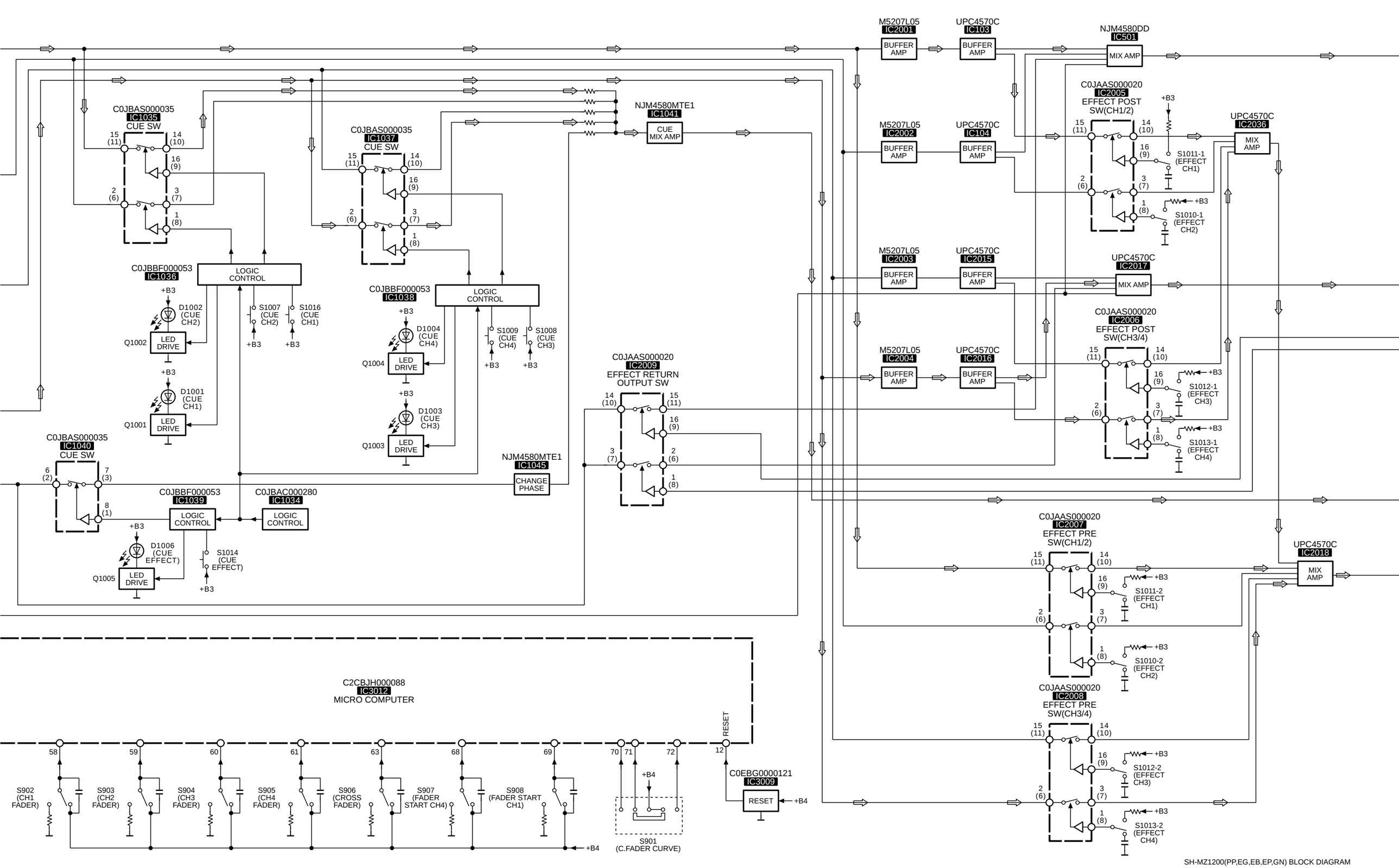
Attach by performing the opposite of the remove step.

### 4 Attach the replacement panel and knobs

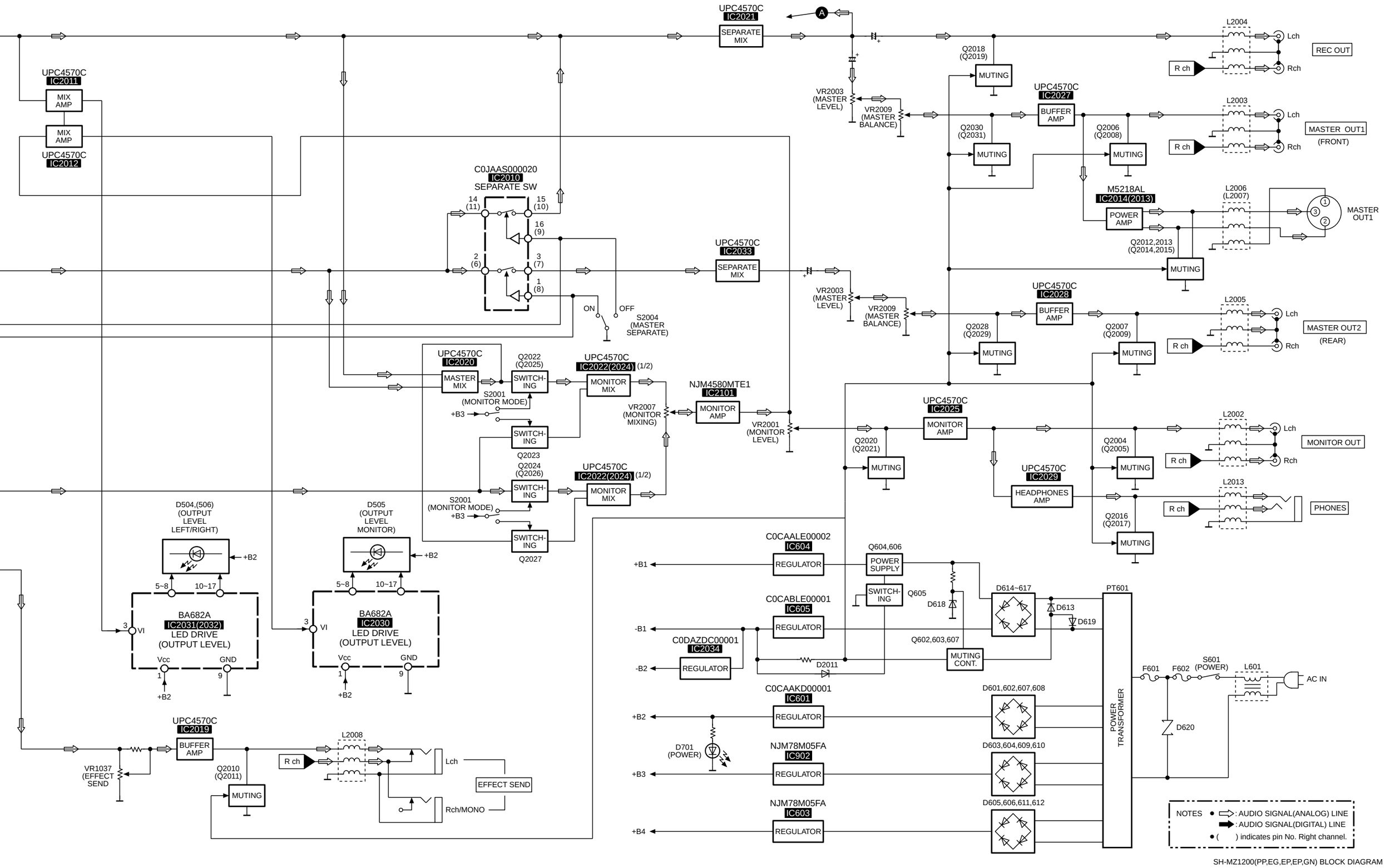
C0EBG0000121
IC3512
VOLTAGE DET.
+B4
C0JBAA000115
IC3507
AND GATE
L2001
DIGITAL OUT
C0EBE0000274
IC3511
VOLTAGE DET.
+B5
C0CBCBE00003
IC3510
REGULATOR
+B5
+B4
C1BB00000692
IC3501
DIGITAL AUDIO TRANSCEIVER
+B5 +B5 +B4
38 AVDD
21 DVDD
13 TVDD
16 TX1
31 PDN
41 AVSS
22 DVSS
DAUX 28
BICK 26
LRCK 24
MCKO2 27
C0FBAK000008
IC3504
24bit A/D CONVERTER
12 DOUT
11 BCK
10 LRCK
9 FSYNC
17 FMT0
18 FMT1
+B5
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
VINR 2
VINL 1
VREF1 3
VREF2 4
+B3
R ch
A
MODE1 20
MODE0 19
BYPAS 8
SCKI 15
PDWN 7
OSR 16
VDD 14
DGND 13
AGND 6
VCC 5
+B5
+B5
+B3
D3501
D3500
Q3501
SWITCH-ING
+B4 +B5 +B5
13 TVDD
21 DVDD
38 AVDD
36 INT0
37 INT1
31 PDN
42 RX0
C1BB00000692
IC3502
DIGITAL AUDIO TRANSCEIVER
LRCK 24
SDTO 25
BICK 26
MCKO2 27
22 DVSS
41 AVSS
+B3 +B3 +B3 +B3
22 RST
8 VDD
9 VCC2R
20 VCC2L
15 VCC1
PCM1734EB-E2
IC3505
D/A CONVERTER
1 LRCK
2 DATA
3 BCK
5 XTI
7 DGND
14 AGND1
10 AGND2R
19 AGND2L
VOUTL (VOUTR)
16 (13)
M5218AFPE3
IC3508
BUFFER AMP
DIGITAL IN
CH1
CH4
L2011
L2010
5
1
C0JAAB000080
IC2035
INTERFACE
8
12
14
+B4
D3503
D3502
Q3502
SWITCH-ING
+B4 +B5 +B5
C1BB00000692
IC3503
DIGITAL AUDIO TRANSCEIVER
PCM1734EB-E2
IC3506
D/A CONVERTER
M5218AFPE3
IC3509
BUFFER AMP




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



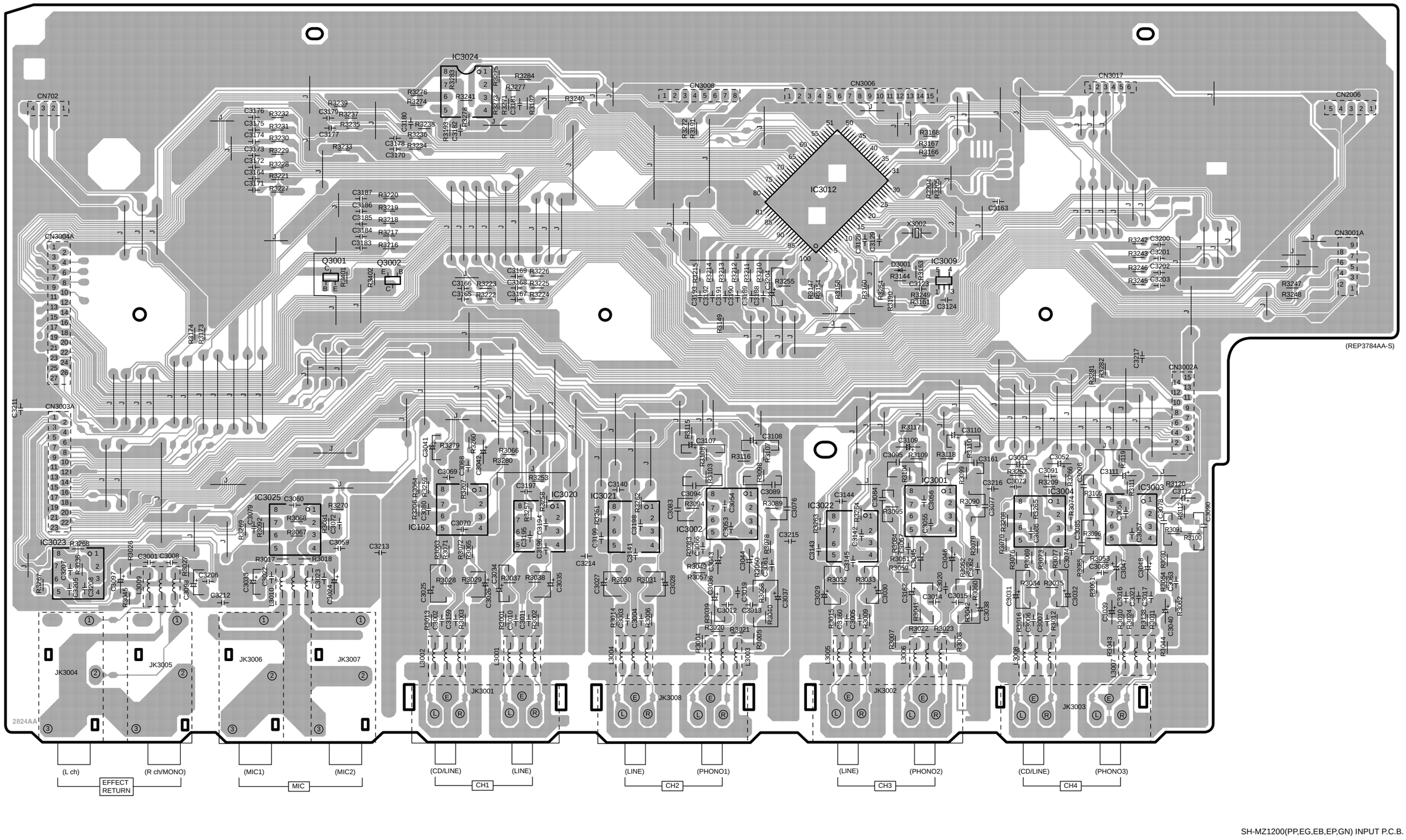

SH-MZ1200(PP,EG,EB,EP,GN) BLOCK DIAGRAM




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

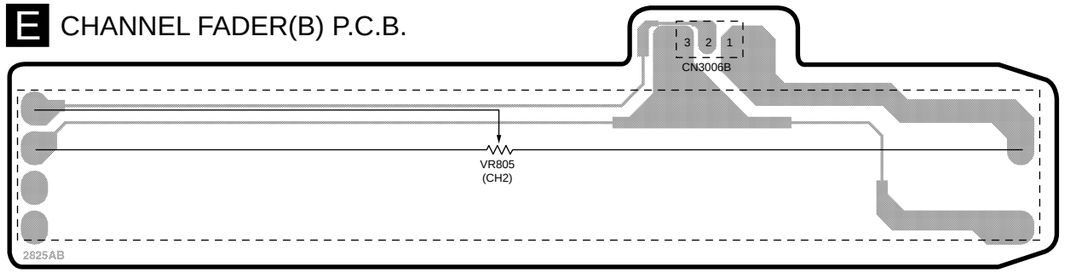
Note: This printed circuit board diagram may be modified at any time with the development of new technology.

## A INPUT P.C.B.



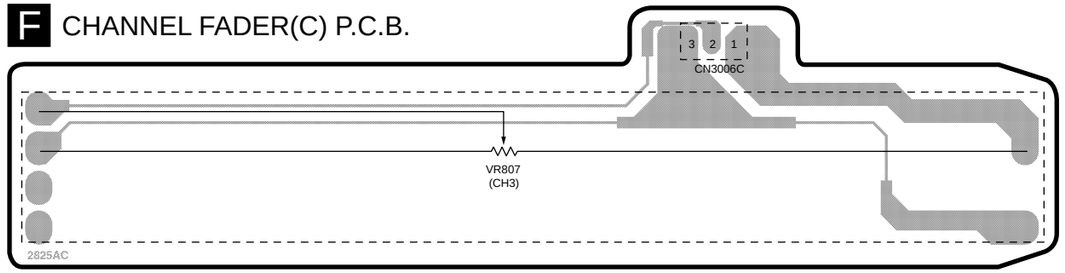

SH-MZ1200(PP,EG,EB,EP,GN) INPUT P.C.B.

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



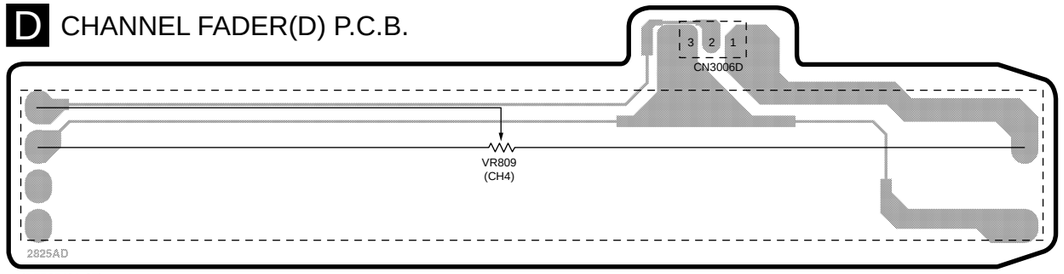

(REP3743A-ST)

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




(REP3743A-ST)

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

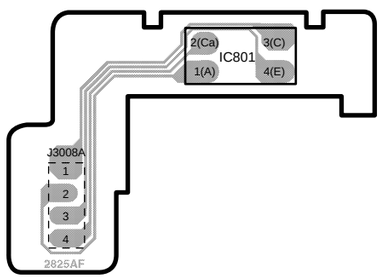



(REP3743A-ST)

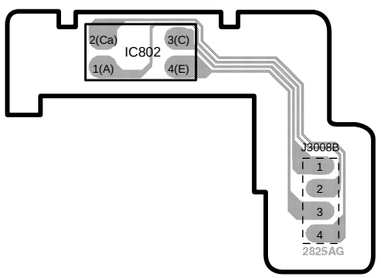
## PHOTO INTERRUPTER P.C.B.

(REP3855A-S)

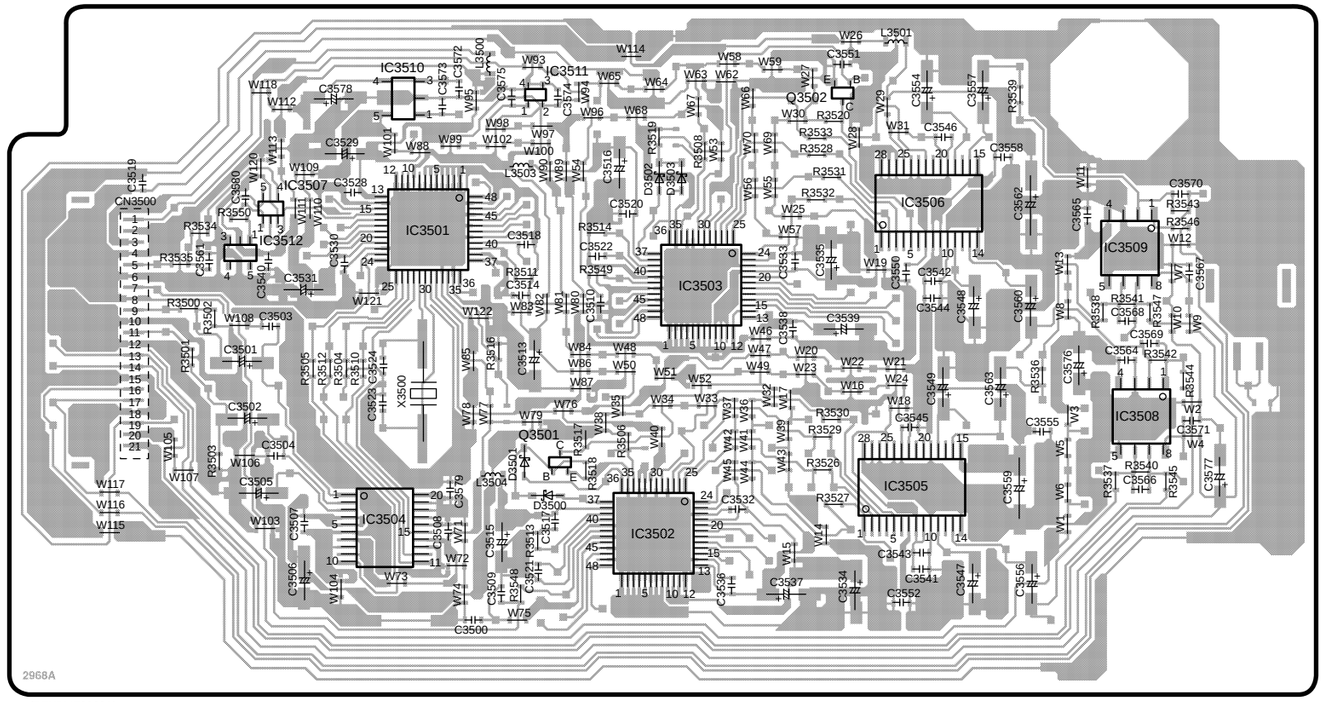
### C SENSOR(A) P.C.B.




### B SENSOR(B) P.C.B.

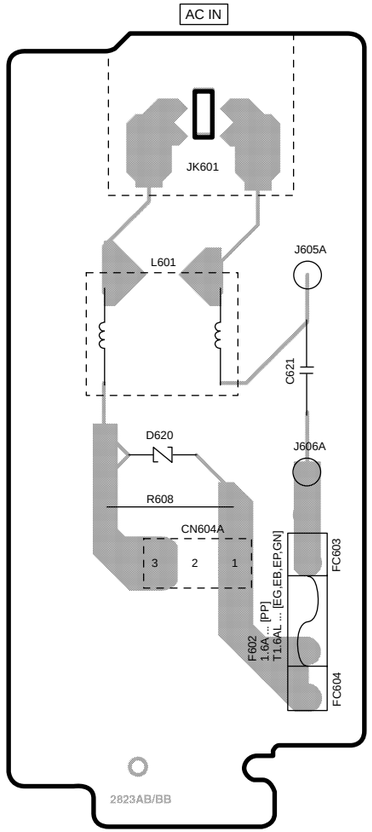



## L SUB P.C.B.



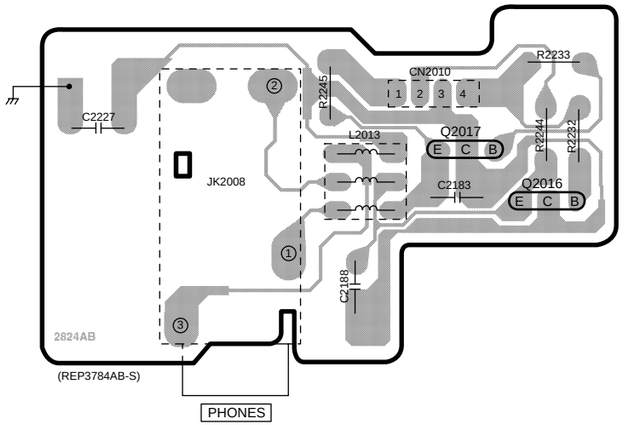

(RFKBMZ2968A)

## T AC IN P.C.B.

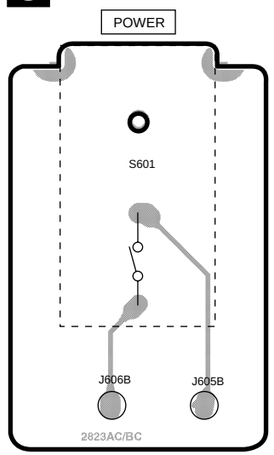



(REP3786BB-S ..... [PP]
REP3786CB-S ..... [EG,EB,EP,GN])

## R PHONES P.C.B.

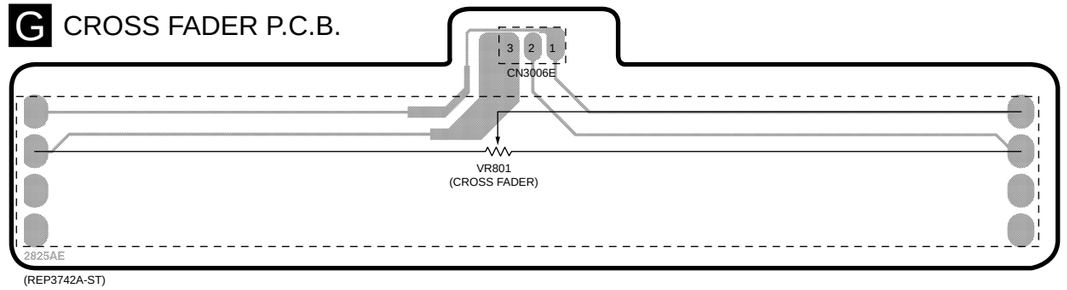



## U POWER SW P.C.B.



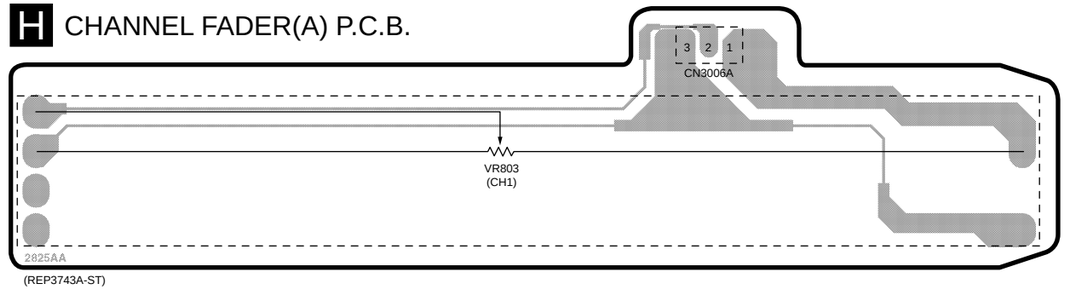

(REP3786BB-S ..... [PP]
REP3786CB-S ..... [EG,EB,EP,GN])

## G CROSS FADER P.C.B.



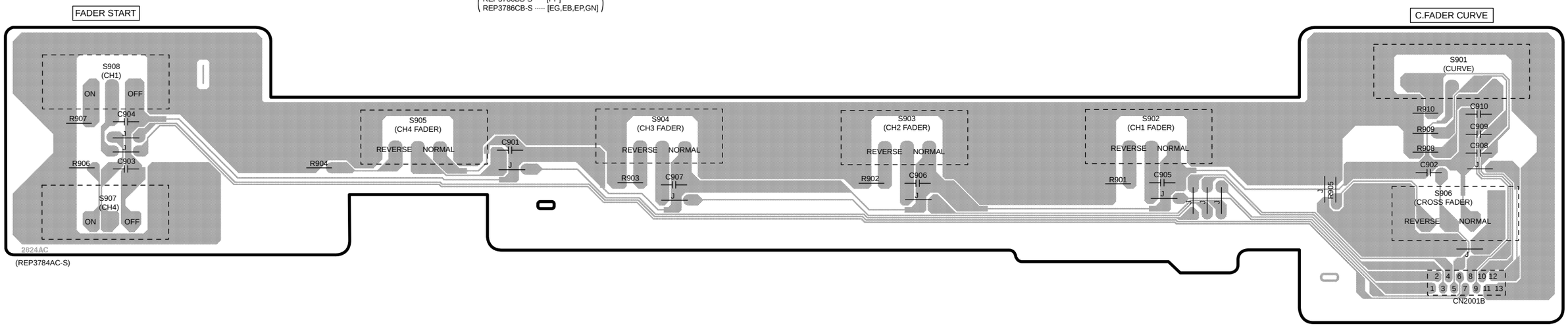

(REP3742A-ST)

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



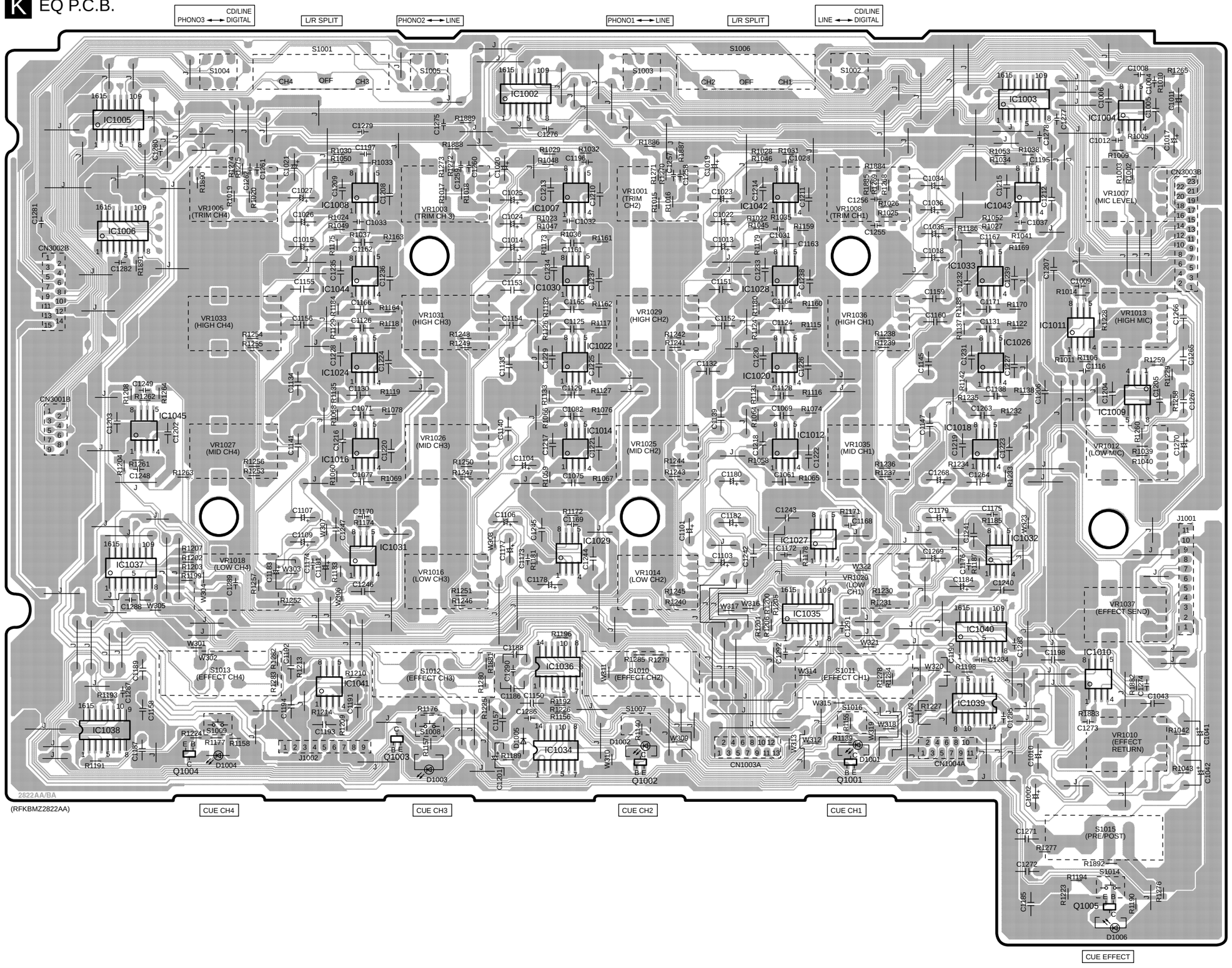

(REP3743A-ST)

## O FRONT SW P.C.B.



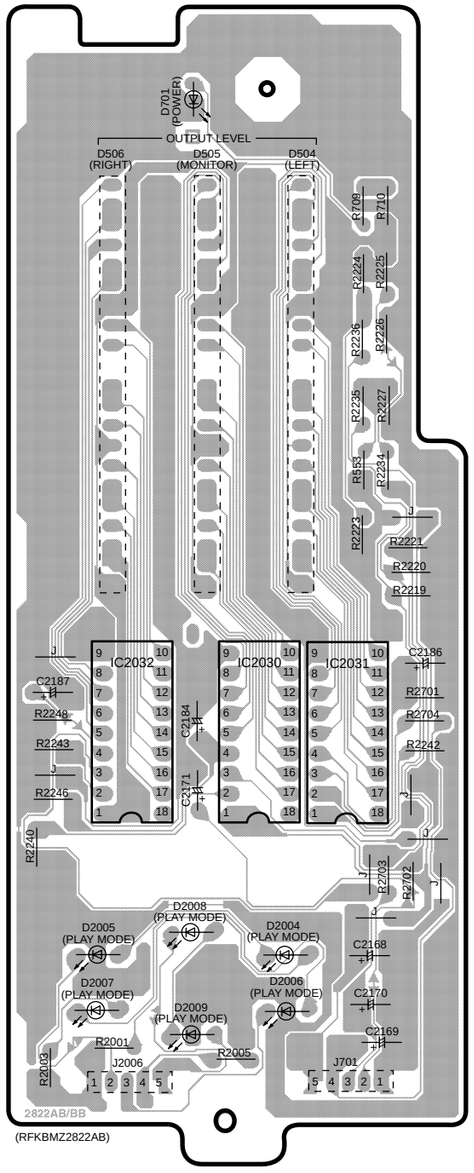

SH-MZ1200(PP,EG,EB,EP,GN) AC IN, POWER SW, CROSS FADER, CHANNEL FADER(A), PHONES, FRONT SW P.C.B.

# K EQ P.C.B.



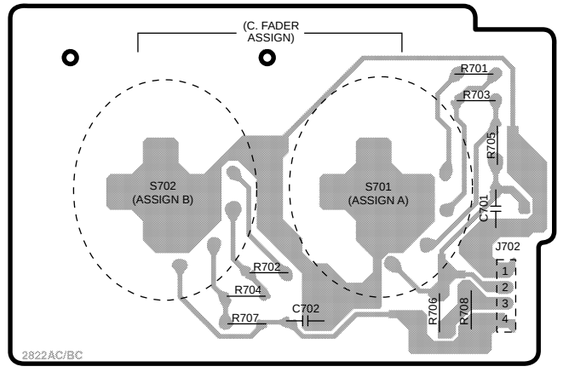

SH-MZ1200(PP,EG,EB,EP,GN) EQ P.C.B.

## J LED P.C.B.



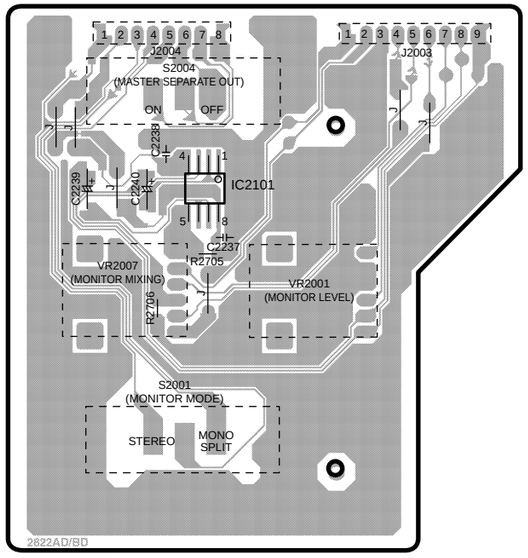

(RFKBMZ2822AB)

## I ASSIGN P.C.B.



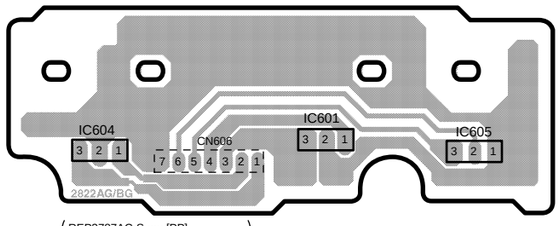

(RFKBMZ2822AC)

## Q MONITOR P.C.B.



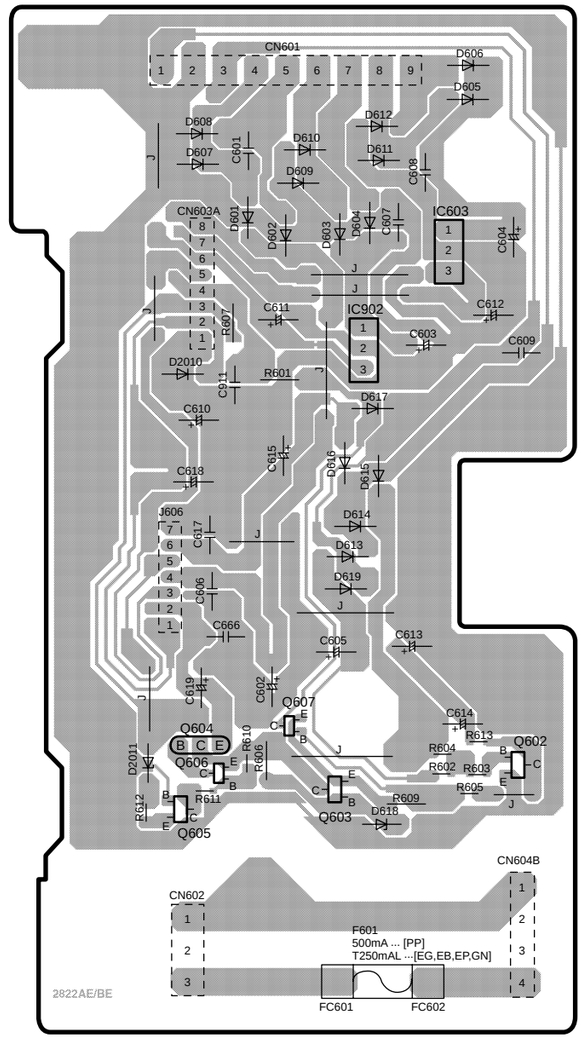

(RFKBMZ2822AD)

## N SUB POWER P.C.B.



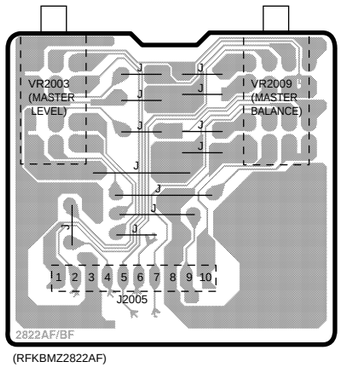

(REP3787AC-S ····· [PP]
REP3787BC-S ····· [EG,EB,EP,GN])

## S POWER TRANSFORMER P.C.B.




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

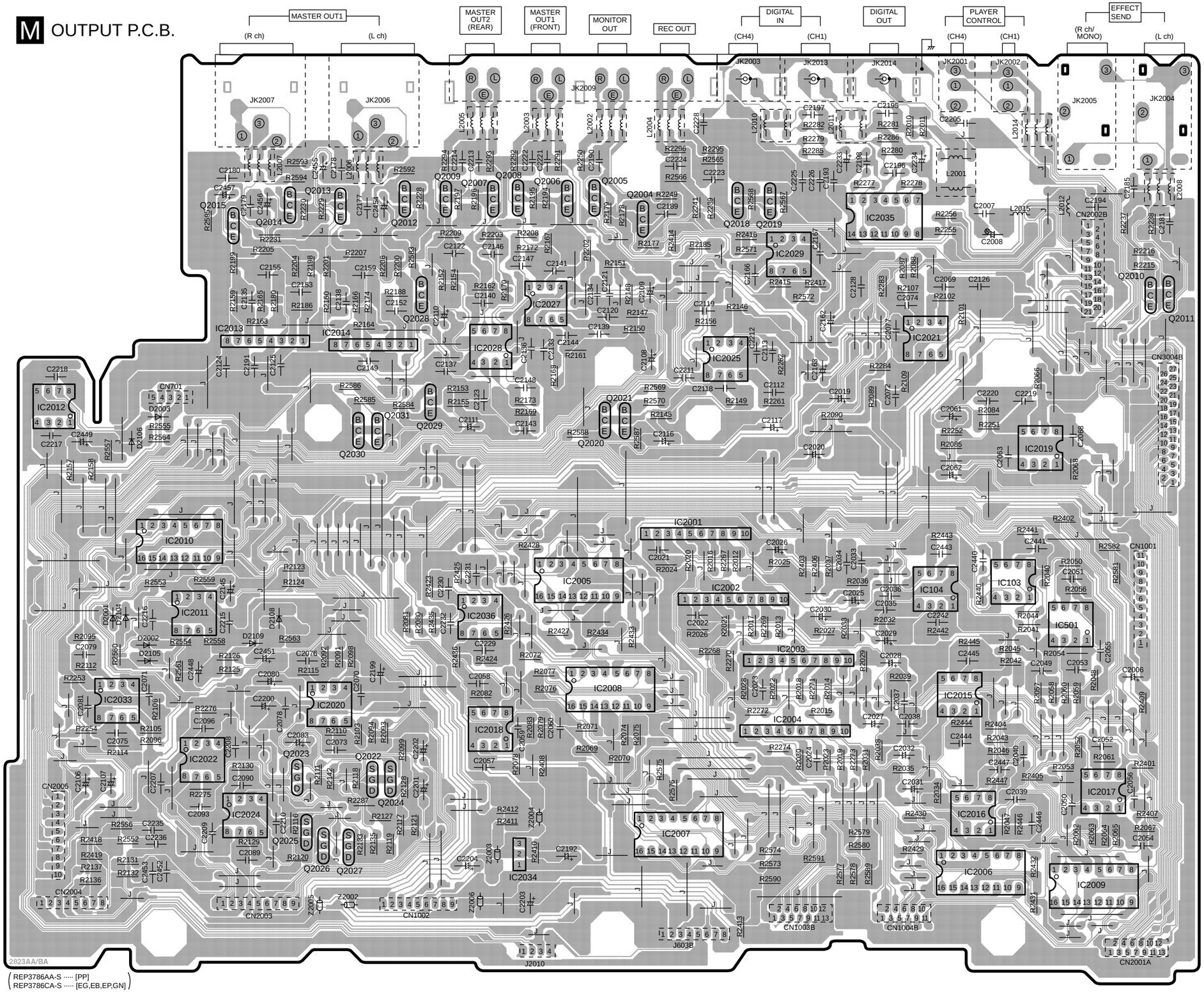
## P MASTER VR P.C.B.




(RFKBMZ2822AF)

SH-MZ1200(PP,EG,EB,EP,GN) LED,ASSIGN,MONITOR,SUB POWER,POWER TRANSFORMER,MASTER VR P.C.B.

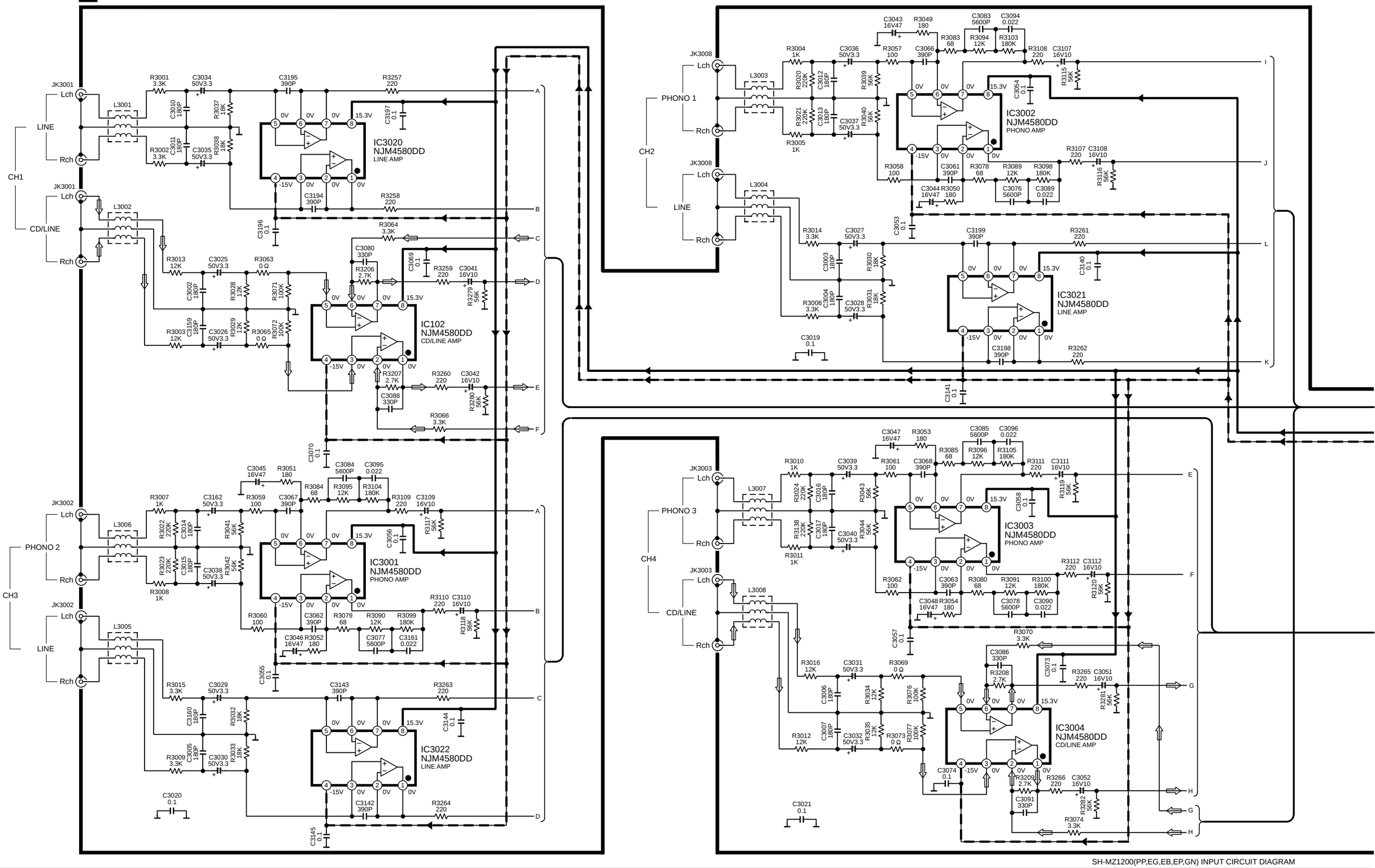
# M OUTPUT P.C.B.


MASTER OUT1
(R ch)
(L ch)
MASTER OUT2 (REAR)
MASTER OUT1 (FRONT)
MONITOR OUT
REC OUT
DIGITAL IN
(CH4)
(CH1)
DIGITAL OUT
PLAYER CONTROL
(CH4)
(CH1)
EFFECT SEND
(R ch/ MONO)
(L ch)
JK2007
JK2006
JK2009
JK2003
JK2013
JK2014
JK2001
JK2002
JK2005
JK2004
IC2001
IC2002
IC2003
IC2004
IC2005
IC2006
IC2007
IC2008
IC2009
IC2010
IC2011
IC2012
IC2013
IC2014
IC2015
IC2016
IC2017
IC2018
IC2019
IC2020
IC2021
IC2022
IC2024
IC2025
IC2027
IC2028
IC2033
IC2034
IC2035
IC2036
IC103
IC104
IC501
CN1001
CN1002
CN1003B
CN1004B
CN2001A
CN2002B
CN2003
CN2004
CN2005
CN3004B
CN701
J2010
J603B
2823AA/BA
REP3786AA-S ····· [PP]
REP3786CA-S ····· [EG,EB,EP,GN]

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

## A INPUT CIRCUIT

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

## B SENSOR(B) CIRCUIT

IC802
B3NAA0000044
SENSOR

## C SENSOR(A) CIRCUIT

IC801
B3NAA0000044
SENSOR

## D CHANNEL FADER (D) CIRCUIT

VR809
100K(B)
(CH4)

## E CHANNEL FADER (B) CIRCUIT

VR805
100K(B)
(CH2)

## F CHANNEL FADER (C) CIRCUIT

VR807
100K(B)
(CH3)

## G CROSS FADER CIRCUIT

VR801
100K(B)
(CROSS FADER)

## H CHANNEL FADER (A) CIRCUIT

VR803
100K(B)
(CH1)

CN3002A
+15V
-15V
3CH PH OUT L
3CH PH OUT R
3CH LINE OUT L
3CH LINE OUT R
CH3 GND
4CH PH3 OUT L
4CH PH3 OUT R
4CH CD/L OUT L
4CH CD/L OUT R
CH4 GND
GND2
GND2
+5V

To K EQ CIRCUIT(CN3002B)
on SCHEMATIC DIAGRAM-6

C3211 1000P
C3212 1000P
C3213 1000P
C3214 1000P
C3215 1000P
C3216 1000P
C3217 1000P

IC3024
AN6914
BUFFER AMP

IC3023
NJM4580DD
EFFECT AMP

IC3025
NJM4580DD
MIC AMP

JK3004 Lch
JK3005 Rch/MONO
EFFECT RETURN
JK3006 MIC1
JK3007 MIC2
MIC

SCHEMATIC DIAGRAM–3

# A INPUT CIRCUIT

:POSITIVE VOLTAGE LINE  :AUDIO SIGNAL(ANALOG) LINE

## I ASSIGN CIRCIUT

S701 (ASSIGN A)

S702 (ASSIGN B)

R701 2.7K, R702 2.7K, R703 2.2K, R704 2.2K, R705 1.5K, R706 15K, R707 1.5K, R708 15K

C701 0.1, C702 0.1

J702 — CN702

## J LED(2/2) CIRCUIT

D2004 R2005 82, D2009 R2005 82, D2003 R2003 82, D2007 R2003 82, D2001 R2001 82, D2004 R2001 82, D2008, D2006, D2005

J2006 — CN2006 — G, B

D2004-2009
B3AAA0000530
(PLAY MODE)

R3214 100, R3215 100, R3255 10

C3192 0.1, C3193 0.1

C3204 16V10

R3216 100, R3217 100, R3218 100, R3219 100, R3220 100

C3183 0.1, C3184 0.1, C3185 0.1, C3186 0.1, C3187 0.1

R3154 10K, R3147 100K, R3156 10K, R3160 10K, R3149 100K, R3161 10K, R3254 0 Ω, C3128 15P, C3129 27P, X3002 (16MHz), R3163 10K

RESET

R3245 68K, R3246 68K, R3243 68K, R3242 68K

C3200 0.01, C3201 0.01, C3202 0.01, C3203 0.01

R3204 100K, R3205 100K, R3166 10K, R3167 10K, R3168 10K

C3163 0.1

IC3012
C2CBJH000088
MICRO COMPUTER

Q3002
B1ABGC000001
PLAYER CONT.(CH4)

Q3001
B1ABGC000001
PLAYER CONT.(CH1)

R3402 330K, R3401 330K

C3170 0.1, C3169 0.1

CN3001A

R3221 100, R3222 100, R3223 100, R3224 100, R3225 100, R3226 100, R3234 100

R3247 15K, R3248 15K, C3168 0.1, C3167 0.1, C3166 0.1, C3165 0.1, C3164 0.1

1 SW7 CONT.
2 SW11 CONT.
3 SW12 CONT.
4 SW10 CONT.
5 SW8,9 CONT.
6 L/R CONT.
7 L/R CONT.
8 GND
9 NC

To K EQ CIRCUIT (CN3001B) on SCHEMATIC DIAGRAM–6

IC3009
C0EBG0000121
RESET

NC, VOUT 5V, VDD 5V, NC, GND

R3190 4.7K, C3123 0.22, R3249 100K, R3144 10K, D3001 MA111TX

CN3017

I, J, K, B

TEST TERMINAL

C3124 0.1, C3171 0.1, C3172 0.1, C3173 0.1, C3174 0.1, C3175 0.1, C3176 0.1

CN3004A

1 +5D
2 FADERCURVE 0
3 FADERCURVE 1
4 FADERCURVE 2
5 FADERSTART CH1
6 FADERSTART CH4
7 CROSS N/R
8 FADER1 N/R
9 FADER2 N/R
10 FADER3 N/R
11 FADER4 N/R
12 VCA CH2
13 VCA CH3
14 VCA CH4
15 VCA CH1
16 CYUUKEI
17 DAC AE
18 DAC AE
19 IN CH1 L
20 IN CH1 R
21 DAC AE
22 IN CH4 L
23 IN CH4 R
24 LINK1 SO3
25 LINK1 CK3
26 LINK2 SO
27 LINK2 CK

To M OUTPUT CIRCUIT (CN3004B) on SCHEMATIC DIAGRAM–11

R3228 100, R3229 100, R3230 100, R3231 100, R3232 100, R3235 100, R3236 100, R3237 100, R3238 100, R3239 100

C3177 0.1, C3178 0.1, C3179 0.1, C3180 0.1

R3240 100, R3241 100

R3252 0 Ω, R3253 0 Ω

R3233 100, R3227 100

R3174 15K, R3173 15K

CN3003A

23 1CH LINE OUT R
22 1CH CD/L OUT R
21 1CH CD/L OUT L
20 1CH LINE OUT L
19 CH1 GND
18 L/R CONT.
17 L/R CONT.
16 2CH PH R OUT
15 2CH LINE R OUT
14 2CH LINE L OUT
13 2CH PH L OUT
12 CH2 GND
11 SW4 CONT.
10 SW1 CONT.
9 SW2,3 CONT.
8 SW6 CONT.
7 SW5 CONT.
6 MIC GND
5 MIC IN
4 MIC IN
3 RETURN GND
2 RETURN R OUT
1 RETURN L OUT

To K EQ CIRCUIT (CN3003B) on SCHEMATIC DIAGRAM–4

SCHEMATIC DIAGRAM–4

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 1
RETURN R IN 2
RETURN GND 3
MIC IN 4
MIC IN 5
MIC GND 6
SW5 CONT. 7
SW6 CONT. 8
SW2,3 CONT. 9
SW1 CONT. 10
SW4 CONT. 11
CH2 GND 12
2CH PH L IN 13
2CH LINE L IN 14
2CH LINE R IN 15
2CH PH R IN 16
L/R CONT. 17
L/R CONT. 18
CH1 GND 19
1CH LINE IN L 20
1CH CD/L IN L 21
1CH CD/L IN R 22
1CH LINE IN R 23

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

IC1043 NJM4580MTE1 EQ AMP
IC1042 NJM4580MTE1 EQ AMP
IC1010 NJM4580MTE1 EQ AMP
IC1004 NJM4580MTE1 MIC AMP
IC1009 NJM4580MTE1 MIC AMP
IC1011 NJM4580MTE1 MIC AMP

(TRIM CH1) VR1008-1 20K(B) VR1008-2 20K(B)
(TRIM CH2) VR1001-1 20K(B) VR1001-2 20K(G)
(EFFECT RETURN) VR1010-1 50K(D) VR1010-2 50K(D)
VR1007 50K(D) (MIC LEVEL)
VR1013 50K(G) (HIGH MIC)
VR1012 50K(G) (LOW MIC)

SCHEMATIC DIAGRAM–5

# K EQ CIRCUIT

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

IC1018 NJM4580MTE1 EQ AMP

IC1026 NJM4580MTE1 EQ AMP

IC1033 NJM4580MTE1 EQ AMP

IC1032 NJM4580MTE1 EQ AMP

IC1012 NJM4580MTE1 EQ AMP

IC1020 NJM4580MTE1 EQ AMP

IC1028 NJM4580MTE1 EQ AMP

IC1027 NJM4580MTE1 EQ AMP

IC1040 C0JBAS000035 CUE SW

IC1039 C0JBBF000053 LOGIC CONTROL

IC1034 C0JBAC000280 LOGIC CONTROL

Q1005 DTC114YUA106 LED DRIVE

SCHEMATIC DIAGRAM–6

# K EQ CIRCUIT

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

To A INPUT CIRCUIT(CN3002A) on SCHEMATIC DIAGRAM–2

To A INPUT CIRCUIT(CN3001A) on SCHEMATIC DIAGRAM–3

CN3002B: +15V, -15V, 3CH PH IN L, 3CH PH IN R, 3CH LINE IN L, 3CH LINE IN R, GND CH3, 4CH PH3 IN L, 4CH PH3 IN R, 4CH CD/L IN L, 4CH CD/L IN R, GND CH4, GND2, GND2, +5V

CN3001B: SW7 CONT., SW11 CONT., SW12 CONT., SW10 CONT., SW8,9 CONT., L/R CONT., L/R CONT., GND, NC

S1005 (LINE–PHONO2): PHONO2 ◄► LINE

S1004 (CD/LINE DIGITAL–PHONO3): PHONO3 ◄► CD/LINE DIGITAL

S1001 (L/R SPLIT): 3CH ◄► OFF ◄► 4CH

IC1005 C0JBAS000035 L/R PLAY MODE SELECTOR

IC1006 C0JBAS000035 L/R PLAY MODE SELECTOR

IC1035 C0JBAS000035 CUE SW

IC1007 NJM4580MTE1 EQ AMP

IC1008 NJM4580MTE1 EQ AMP

IC1036 C0JBBF000053 LOGIC CONTROL

Q1001 DTC114YUA106 LED DRIVE

Q1002 DTC114YUA106 LED DRIVE

D1001 B3ADA0000148 (CUE CH1)

D1002 B3ADA0000148 (CUE CH2)

VR1003-1 20K(B)　VR1003-2 20K(B)　VR1005-1 20K(B)　VR1005-2 20K(B)

(TRIM CH3)　(TRIM CH4)

SCHEMATIC DIAGRAM–7

# K EQ CIRCUIT

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

IC1014 NJM4580MTE1 EQ AMP
IC1022 NJM4580MTE1 EQ AMP
IC1030 NJM4580MTE1 EQ AMP
IC1029 NJM4580MTE1 EQ AMP
IC1016 NJM4580MTE1 EQ AMP
IC1024 NJM4580MTE1 EQ AMP
IC1044 NJM4580MTE1 EQ AMP
IC1031 NJM4580MTE1 EQ AMP
IC1037 C0JBAS000035 CUE SW
IC1038 C0JBBF000053 LOGIC CONTROL
Q1003 DTC114YUA106 LED DRIVE
Q1004 DTC114YUA106 LED DRIVE

SCHEMATIC DIAGRAM–8

## K EQ CIRCUIT

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

S1011 (EFFECT CH1) ON / OFF
R1278 10K　R1284 10K

S1010 (EFFECT CH2) ON / OFF
R1279 10K　R1285 10K

S1012 (EFFECT CH3) ON / OFF
R1881 10K　R1280 10K

S1013 (EFFECT CH4) ON / OFF
R1282 10K　R1283 10K

R1277 10K

S1015 (PRE/POST) POST / PRE
R1276 10K
R1892 0 Ω

G R1200 4.7K
H R1201 4.7K
L R1202 4.7K
M R1203 4.7K
J R1205 4.7K
I R1206 4.7K
O R1207 4.7K
N R1199 4.7K
E R1263 4.7K
D R1264 4.7K

C1193 330P　R1214 4.7K　C1191 0.1　R1209 1K
R1213 4.7K　C1192 330P　R1208 4.7K　R1204 4.7K
C1248 330P　R1261 4.7K　C1202 0.1
R1262 4.7K　C1249 330P　C1203 0.1
R1210 1K　C1194 0.1

IC1041
NJM4580MTE1
CUE MIX AMP

IC1045
NJM4580MTE1
CHANGE PHASE (EFFECT)

-15V　0V　15.3V

J1002
1 +15V
2 -15V
3 AE
4 CUE MIXOUT L
5 CUE MIXOUT R
6 +5V
7 GND2
8 +5V
9 NC
To M OUTPUT CIRCUIT(CN1002) on SCHEMATIC DIAGRAM–11

CN1003A
K 1 GND CH1
P 2 CH1 VCA L
Q 3 CH1 VCA R
R 4 CH2 VCA L
S 5 CH2 VCA R
6 GND CH2
T 7 CH3 VCA L
F 8 CH3 VCA R
U 9 CH4 VCA L
V 10 CH4 VCA R
11 GND CH3
12 GND CH4
13 NC
To M OUTPUT CIRCUIT(CN1003B) on SCHEMATIC DIAGRAM–11

CN1004A
1 CH1 POST
2 CH1 PRE
3 CH2 POST
4 CH2 PRE
5 CH3 POST
6 CH3 PRE
7 CH4 POST
8 CH4 PRE
A 9 RETURN OUT L
B 10 GND
11 RETURN OUT R
To M OUTPUT CIRCUIT(CN1004B) on SCHEMATIC DIAGRAM–11

J1001
C 1 MIC
2 AE
3 AE
4 EFFECT R
5 EFFECT L
6 EFFECT L
7 EFFECT R
8 GND
9 NC
10 GND
11 NC
To M OUTPUT CIRCUIT(CN1001) on SCHEMATIC DIAGRAM–14

C1272 0.1　C1271 0.1
VR1037 50K(D) (EFFECT SEND)

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

H G F E D C B A

49 50 51 52 53 54 55 56 57 58 59 60

SCHEMATIC DIAGRAM–9

L SUB CIRCUIT

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

IC3504
C0FBAK000008
24bit A/ D CONVERTER
(ANALOG)

IC3501
C1BB00000692
DIGITAL AUDIO
TRANSCEIVER

IC3510
C0CBCBE00003
REGULATOR

IC3511
C0EBE0000274
VOLTAGE DET.

IC3512
C0EBG0000121
VOLTAGE DET.

IC3507
C0JBAA000115
AND GATE

X3500
(11.2MHz)

CN3500

To M OUTPUT CIRCUIT(CN2002B) on SCHEMATIC DIAGRAM–12

SCHEMATIC DIAGRAM–10

L SUB CIRCUIT

:POSITIVE VOLTAGE LINE

:NEGATIVE VOLTAGE LINE

:AUDIO SIGNAL(ANALOG) LINE

:AUDIO SIGNAL(DIGITAL) LINE

IC3502
C1BB00000692
DIGITAL AUDIO TRANSCEIVER

IC3503
C1BB00000692
DIGITAL AUDIO TRANSCEIVER

IC3505
PCM1734EB-E2
D/A CONVERTER

IC3506
PCM1734EB-E2
D/A CONVERTER

IC3508
M5218AFPE3
BUFFER AMP

IC3509
M5218AFPE3
BUFFER AMP

Q3501
UN5211TX
SWITCHING

Q3502
UN5211TX
SWITCHING

D3500 MA728TX
D3501 MA728TX
D3502 MA728TX
D3503 MA728TX

L3504 10 uH
L3503 10 uH

R3506 10K
R3517 10K
R3518 10K
R3508 10K
R3520 10K
R3519 10K

C3515 16V10
C3517 0.1
R3513 18K
C3521 0.47
R3548 0 Ω
C3509 22P
C3516 16V10
C3520 0.1
R3514 18K
C3522 0.47
R3549 0 Ω
C3510 22P

R3527 100
R3526 100
R3529 100
R3530 100
R3532 100
R3531 100
R3528 100
R3533 100

C3532 0.1
C3534 16V10
C3537 16V10
C3536 0.1
C3533 0.1
C3535 16V10
C3539 16V10
C3538 0.1

C3545 0.1
C3555 0.1
C3559 16V100
C3549 16V10
C3541 0.1
C3543 0.1
C3546 0.1
C3558 0.1
C3562 16V100
C3554 16V10
C3542 0.1
C3544 0.1

C3547 16V10
C3548 16V10

C3564 0.1
C3576 16V10
C3563 50V1
R3536 100K
C3569 22P
R3542 180K
R3544 0 Ω
C3571 0.1
C3577 16V10
C3556 50V1
R3537 100K
R3540 180K
R3545 0 Ω
C3566 22P

C3565 0.1
C3557 50V1
R3539 100K
C3570 22P
R3543 180K
R3546 0 Ω
C3567 0.1
C3560 50V1
R3538 100K
R3541 180K
R3547 0 Ω
C3568 22P

C3550 0.1
C3551 0.1
C3552 0.1

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

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

H G F E D C B A

SCHEMATIC DIAGRAM–11

# M OUTPUT CIRCUIT

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

CN1002
+15V 1
-15V 2
AE 3
CUE MIXIN L 4
CUE MIXIN R 5
+5V 6
GND2 7
+5V 8
NC 9
To K EQ CIRCUIT(J1002) on SCHEMATIC DIAGRAM–8
Z2002
Z2004
C2203 16V100
A
B
Z2003
R2411 0 Ω
R2412 0 Ω
R2410 0 Ω
C2192 16V10

IC2034
C0DAZDC00001
REGULATOR
-15V 2
-5V 1
3

CN1003B
GND CH1 1
CH1 VCA L 2
CH1 VCA R 3
CH2 VCA L 4
CH2 VCA R 5
GND CH2 6
CH3 VCA L 7
CH3 VCA R 8
CH4 VCA L 9
CH4 VCA R 10
GND CH3 11
GND CH4 12
NC 13
To K EQ CIRCUIT(CN1003A) on SCHEMATIC DIAGRAM–8
R2573 2.2K
R2574 2.2K
R2575 2.2K
R2576 2.2K
R2577 2.2K
R2578 2.2K
R2579 2.2K
R2580 2.2K
A B C D E F G H
R2413 0 Ω
R2590 0 Ω
R2589 0 Ω
R2591 0 Ω

IC2001
M5207L05
BUFFER AMP(CH1)
+V 10 15.3V
Lch OUT 9 0V
CONT. 8 1.1V
Lch IN 7 0V
NC 6
-V 5 -15V
Rch IN 4 0V
CONT. 3 1.1V
Rch OUT 2 0V
GND 1

R2268 1M
R2267 2.2M
R2016 10K
R2020 10K
R2012 10K
C2021 0.1
R2025 47K
C2033 0.1
C2025 50V1
R2024 47K
R2036 27K
R2403 0 Ω
C2440 68P
R2440 27K
-15V 4 0V
0V 3
0V 2
0V 1
C
E
F
G
H
I
J
K
L
D
C2026 50V1
R2037 27K
C2441 68P
R2441 27K
C2034 0.1
0V 5
0V 6
0V 7
15.3V 8

IC2002
M5207L05
BUFFER AMP(CH2)
+V 10 15.3V
Lch OUT 9 0V
CONT. 8 3V
Lch IN 7 0V
NC 6
-V 5 -15V
Rch IN 4 0V
CONT. 3 3V
Rch OUT 2 0V
GND 1

R2270 1M
R2269 2.2M
R2017 10K
R2021 10K
C2022 0.1
R2013 10K
C2035 0.1
C2029 50V1
R2026 47K
R2032 27K
C2242 68P
R2442 27K
R2406 0 Ω
C2030 50V1
R2027 47K
R2033 27K
C2443 68P
R2443 27K
C2036 0.1

IC103
UPC4570C
BUFFER AMP

R2044 2.7K
R2040 2.7K
C2049 0.1
C2053 680P
R2060 2.7K
R2059 820
R2054 2.7K
R2048 820
R2045 2.7K
R2041 2.7K
R2050 820
C2055 0.1
R2056 2.7K
C2051 680P
R2057 2.7K
R2058 820
R2402 0 Ω

IC501
NJM4580DD
CH1/2/MIC/EFFECT MIX

IC104
UPC4570C
BUFFER AMP

CN3004B
+5D 1 I
FADERCURVE 0 2 J
FADERCURVE 1 3 K
FADERCURVE 2 4 L
FADERSTART CH1 5 M
FADERSTART CH4 6 N
CROSS N/R 7 O
FADER1 N/R 8 P
FADER2 N/R 9 Q
FADER3 N/R 10 R
FADER4 N/R 11 S
VCA CH2 12
VCA CH3 13 T
VCA CH4 14 U
VCA CH1 15
CYUUKEI 16
DAC AE 17
DAC AE 18
OUT CH1 L 19 K
OUT CH1 R 20 L
DAC AE 21
OUT CH4 L 22 M
OUT CH4 R 23 N
LINK1 SO3 24 O
LINK1 CK3 25
LINK2 SO 26 P
LINK2 CK 27
To A INPUT CIRCUIT (CN3004A) on SCHEMATIC DIAGRAM–3

CN1004B
CH1 POST 1 A
CH1 PRE 2 B
CH2 POST 3 C
CH2 PRE 4 D
CH3 POST 5 E
CH3 PRE 6 F
CH4 POST 7 G
CH4 PRE 8 H
RETURN IN L 9 I
GND 10
RETURN IN R 11 J
To K EQ CIRCUIT(CN1004A) on SCHEMATIC DIAGRAM–8

SCHEMATIC DIAGRAM–12

## M OUTPUT CIRCUIT

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

JK2014 DIGITAL OUT
R2011 150
R2010 150
L2001
C2007 0.1
C2008 16V10
L2014
JK2001 CH4
JK2002 CH1
PLAYER CONTROL
L2015
CN2002B
DIGITAL OUT CH4
DE
5D
DE
DIGITAL IN
DE
DIGITAL OUT CH1
DE
ANALOG OUT L
GND ADC
ANALOG OUT R
GND ADC
IN CH1 R
IN CH1 L
GND DAC
IN CH4 L
IN CH4 R
GND DAC
5A
-15V
+15V
To L SUB CIRCUIT(CN3500) on SCHEMATIC DIAGRAM–9
L2012 1 μH
C2204 16V100
C2193 0.1
C2194 0.1
R2256 100
R2255 100
IC2035
C0JAAB000080
INTERFACE
Vcc
C2205 0.1
C2228 1000P
R2277 10K
R2278 10K
JK2003 CH4
JK2013 CH1
DIGITAL IN
L2010
L2011
C2198 0.1
C2197 0.1
C2196 0.1
R2282 10
R2281 10
C2233 16V10
C2234 16V10
R2285 150
R2286 150
R2279 150
R2280 150
Z2005
Z2006
IC2003
M5207L05
BUFFER AMP(CH3)
IC2004
M5207L05
BUFFER AMP(CH4)
+V Lch OUT CONT. Lch IN NC -V Rch IN CONT. Rch OUT GND
R2272 1M
R2271 2.2M
R2274 1M
R2273 2.2M
R2018 10K
R2022 10K
R2014 10K
R2029 47K
R2019 10K
R2023 10K
R2015 10K
R2031 47K
C2023 0.1
C2024 0.1
R2028 47K
C2027 50V1
C2028 50V1
C2031 50V1
C2032 50V1
C2039 0.1
R2404 0 Ω
R2405 0 Ω
IC2009
C0JAAS000020
EFFECT RETURN OUTPUT SW
CH1/2 L
CH1/2 R
CH3/4 L
CH3/4 R
+V NC -V GND
IC2015
UPC4570C
BUFFER AMP
IC2016
UPC4570C
BUFFER AMP
R2038 27K
R2039 27K
R2035 27K
C2037 0.1
C2444 68P
R2444 27K
R2445 27K
C2445 68P
C2038 0.1
R2446 27K
C2446 68P
R2447 27K
C2447 68P
C2040 0.1
R2034 27K
R2030 47K
R2046 2.7K
R2047 2.7K
R2042 2.7K
R2043 2.7K
C2050 0.1
C2054 680P
R2064 820
R2065 2.7K
R2053 820
R2067 2.7K
R2052 820
R2061 2.7K
C2052 680P
R2062 2.7K
R2063 820
C2056 0.1
R2401 0 Ω
IC2017
UPC4570C
CH3/4/MIC/EFFECT MIX

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

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

## M OUTPUT CIRCUIT

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

IC2005
C0JAAS000020
EFFECT POST(CH1/2)

IC2007
C0JAAS000020
EFFECT PRE(CH1/2)

IC2006
C0JAAS000020
EFFECT POST(CH3/4)

IC2008
C0JAAS000020
EFFECT PRE(CH3/4)

IC2036
UPC4570C
MIX AMP

IC2018
UPC4570C
MIX AMP

## M OUTPUT CIRCUIT

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

IC2010
C0JAAS000020
SEPARATE SW

IC2011
UPC4570C
MIX AMP

IC2012
UPC4570C
MIX AMP

IC2019
UPC4570C
BUFFER AMP

IC2020
UPC4570C
MASTER MIX

Q2010
2SC3327ABTA
MUTING

Q2011
2SC3327ABTA
MUTING

To K EQ CIRCUIT(J1001) on SCHEMATIC DIAGRAM–8

EFFECT SEND

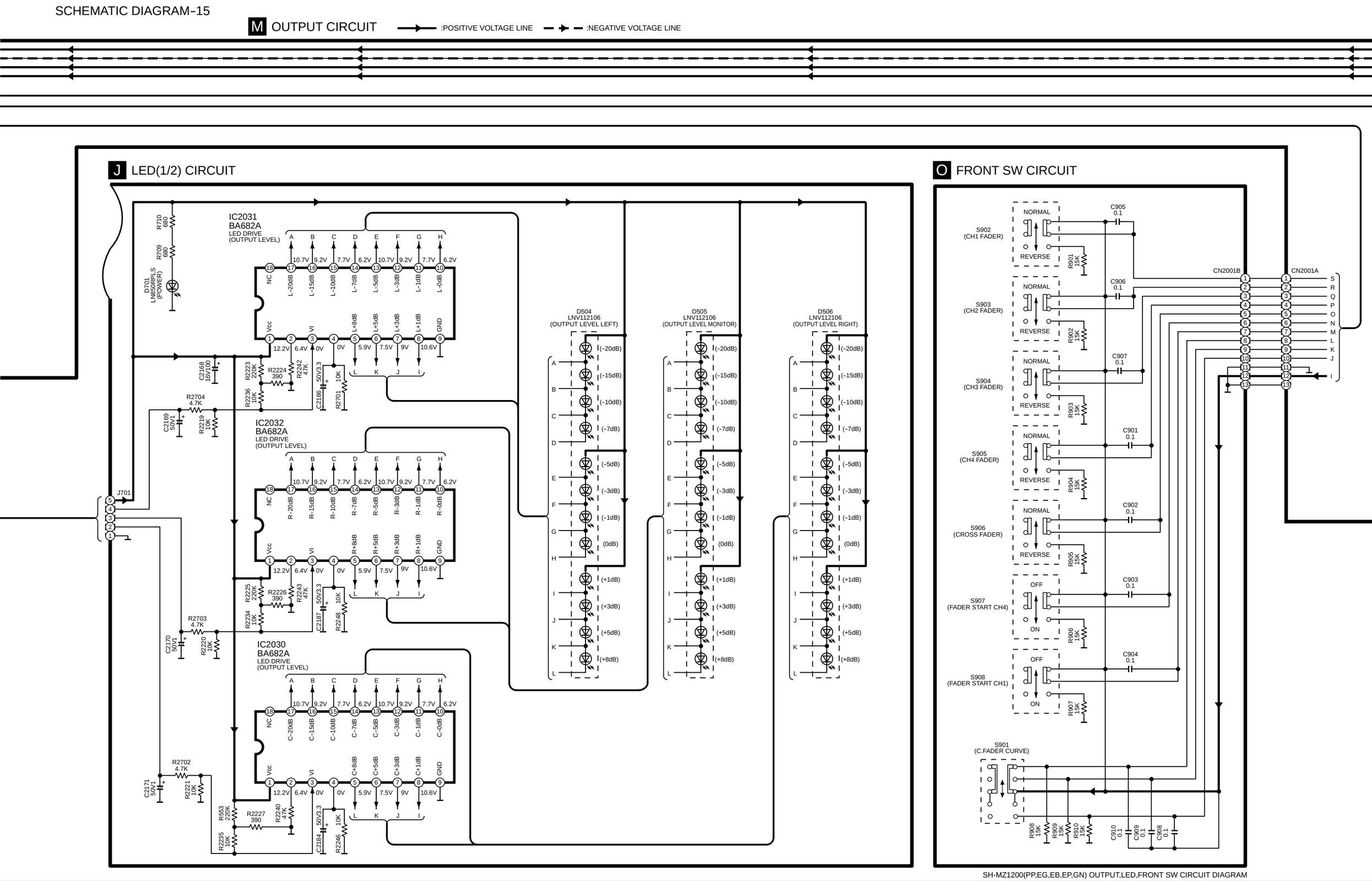
SH-MZ1200(PP,EG,EB,EP,GN) OUTPUT CIRCUIT DIAGRAM

37 38 39 40 41 42 43 44 45 46 47 48

M OUTPUT CIRCUIT :POSITIVE VOLTAGE LINE :NEGATIVE VOLTAGE LINE

J LED(1/2) CIRCUIT

O FRONT SW CIRCUIT



## M OUTPUT CIRCUIT

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

IC2021 UPC4570C SEPARATE MIX

IC2033 UPC4570C SEPARATE MIX

IC2027 UPC4570C BUFFER AMP

IC2028 UPC4570C BUFFER AMP

Q2018 2SC3327ABTA MUTING

Q2019 2SC3327ABTA MUTING

Q2030 2SC3327ABTA MUTING

Q2031 2SC3327ABTA MUTING

Q2028 2SC3327ABTA MUTING

Q2029 2SC3327ABTA MUTING

Q2006 2SC3327ABTA MUTING

Q2008 2SC3327ABTA MUTING

Q2007 2SC3327ABTA MUTING

Q2009 2SC3327ABTA MUTING

JK2009 Lch / Rch — REC OUT

JK2009 Lch / Rch — MASTER OUT1 (FRONT)

JK2009 Lch / Rch — MASTER OUT2 (REAR)

## P MASTER VR CIRCUIT

VR2009 10K(B) (MASTER BALANCE)

VR2003 10K(A) (MASTER LEVEL)

J2005 — CN2005

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

## M OUTPUT CIRCUIT

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

IC2014
M5218AL
POWER AMP

IC2013
M5218AL
POWER AMP

Q2012
2SC3327ABTA
MUTING

Q2013
2SC3327ABTA
MUTING

Q2014
2SC3327ABTA
MUTING

Q2015
2SC3327ABTA
MUTING

JK2006

JK2007

Lch

Rch

MASTER
OUT 1

Q2022
2SJ498CTA
SWITCHING

Q2023
2SJ498CTA
SWITCHING

Q2024
2SJ498CRA
SWITCHING

Q2025
2SJ498CTA
SWITCHING

Q2026
2SJ498CTA
SWITCHING

Q2027
2SJ498CTA
SWITCHING

IC2022
UPC4570C
MONITOR MIX

IC2024
UPC4570C
MONITOR MIX

SCHEMATIC DIAGRAM–18

## M OUTPUT CIRCUIT

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

J603B
1 AE
2 +15V
3 -15V
4 MUTE
5 +12V
6 +5V
7 +5V
8 GND2

To S POWER TRANSFORMER CIRCUIT (CN603A) on SCHEMATIC DIAGRAM–19

## Q MONITOR CIRCUIT

CN2003 / J2003
CN2004 / J2004

R2158 390K
R2157 390K
R2588 330
R2587 330
R2569 1K
R2570 1K
R2419 10K
R2418 10K
R2131 10K
R2132 10K
R2136 47K
R2137 47K
C2453 0.1
C2452 0.1
R2552 0 Ω
R2556 0 Ω
C2236 0.1
C2235 0.1

Q2020 2SC3327ABTA MUTING
Q2021 2SC3327ABTA MUTING

VR2001 100K(A) (MONITOR LEVEL)
VR2007 10K(B) (MONITOR MIXING)
R2705 470K
C2239 16V10
C2237 0.1
C2240 16V10
R2706 470K
C2238 0.1

IC2101 NJM4580MTE1 MONITOR AMP

JK2009 Lch
MONITOR OUT
Rch

C2116 16V10
R2145 18K
R2149 68K
C2118 33P
R2261 68K
C2112 0.1
C2211 0.1
R2177 560
R2185 560
R2249 470
R2250 470
L2002
C2189 1000P
C2190 1000P
R2178 1K
R2179 1K

Q2004 2SC3327ABTA MUTING
Q2005 2SC3327ABTA MUTING

IC2025 UPC4570C MONITOR AMP

C2212 0.1
R2262 68K
C2113 0.1
R2156 68K
C2117 16V10
R2146 18K
C2119 33P

S2001 (MONITOR MODE) MONO SPLIT STEREO
S2004 (MASTER SEPARATE OUT) OFF ON

## R PHONES CIRCUIT

J2010
CN2010
R2245 22
R2244 22
L2013
C2183 0.1
C2188 0.1
JK2008 PHONES

R2232 1K
R2233 1K

Q2016 2SC3327ABTA MUTING
Q2017 2SC3327ABTA MUTING

C2227 0.1

R2417 22
R2415 22
R2572 22
C2166 0.1
R2571 22
R2416 22
R2414 22
C2167 0.1

IC2029 UPC4570C HEADPHONE AMP

C2225 0.1
C2226 0.1

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

85 86 87 88 89 90 91 92 93 94 95 96

H G F E D C B A

## S POWER TRANSFORMER CIRCUIT

:POSITIVE VOLTAGE LINE  :NEGATIVE VOLTAGE LINE

Q604
B1BABD000001
POWER SUPPLY

Q606
B1ADCF000063
POWER SUPPLY

Q603
B1ABGC000001
MUTING CONT.

Q605
B1ABGC000001
SWITCHING

Q607
B1ADCF000063
MUTING CONT.

Q602
B1ABGC000001
MUTING CONT.

To M OUTPUT CIRCUIT(J603B)
on SCHEMATIC DIAGRAM–18

CN603A
AE
+15V
-15V
MUTE
+12V
+5V
+5V
GND2

D2011
MA4120MTA

D613-617,619
B0EAKM000117

D601,602,
D607,608
B0EAKM000117

D603,604,
D609,610
B0EAKM000117

D605,606,
D611,612
B0EAKM000117

CN601
PT601
AC19V
AC19V
AC14V
AC8.2V
AC8.4V

CN602
F601
500mA ··· [PP]
T250mAL ··· [EG,EB,GN,EP]

CN604B
CN604A
R608
3.3M
F602
1.6A ··· [PP]
T1.6AL ··· [EG,EB,EP,GN]
D620
J606A
J605A
J606B
J605B
C621
3300P
S601
(POWER)
L601
JK601
AC IN
120V 60Hz ··· [PP]
230-240V
50Hz ··· [EG,EB,EP,GN]

## N SUB POWER CIRCUIT

IC605
C0CABLE00001
REGULATOR
-15V
-23.3V

IC601
C0CAAKD00001
REGULATOR
12.2V
16.7V

IC604
C0CAALE00002
REGULATOR
15.3V
22.5V

IC902
NJM78M05FA
REGULATOR
5V
8.7V

IC603
NJM78M05FA
REGULATOR
5V
9V

CN606
J606

## U POWER SW CIRCUIT

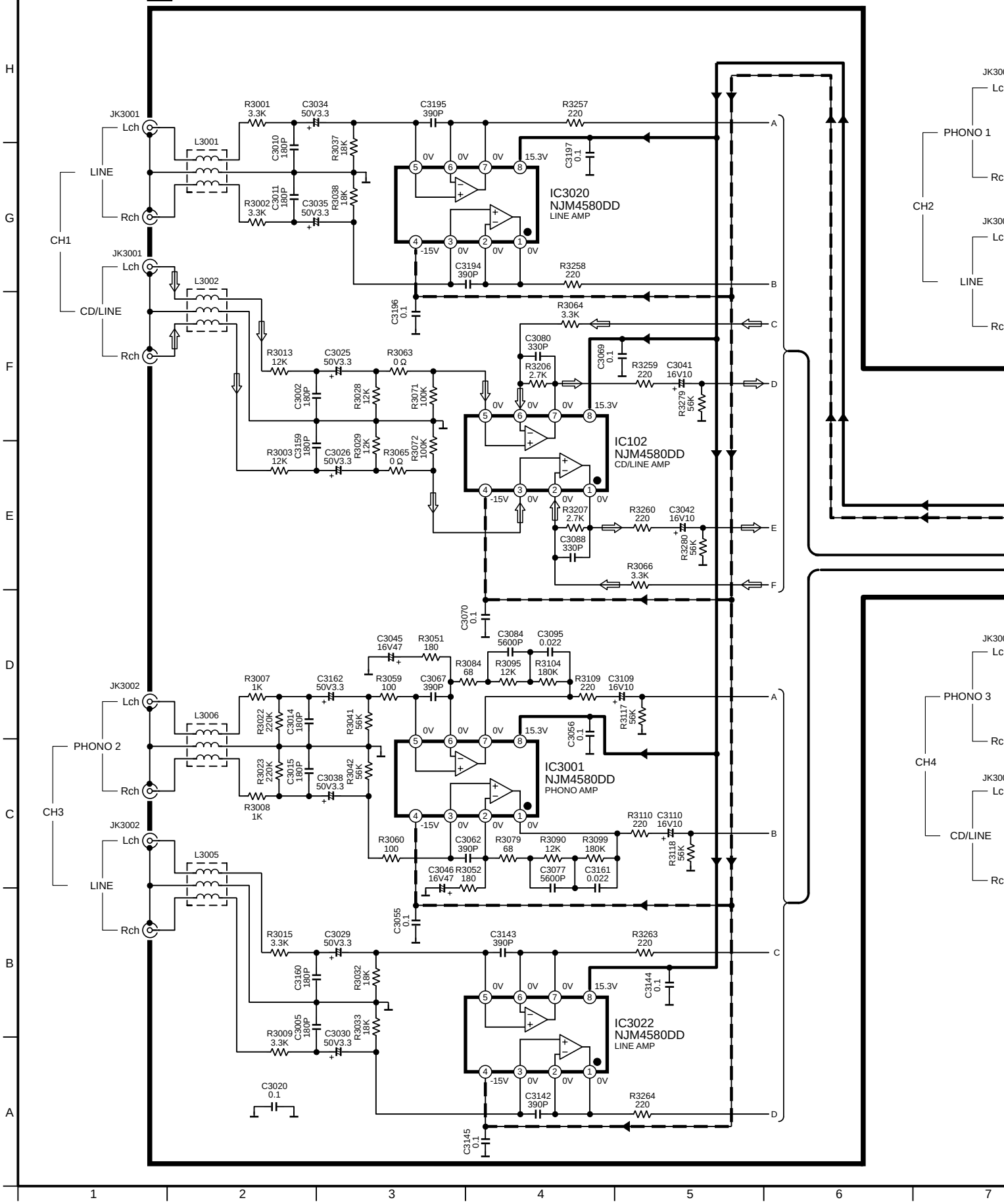
## T AC IN CIRCUIT

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

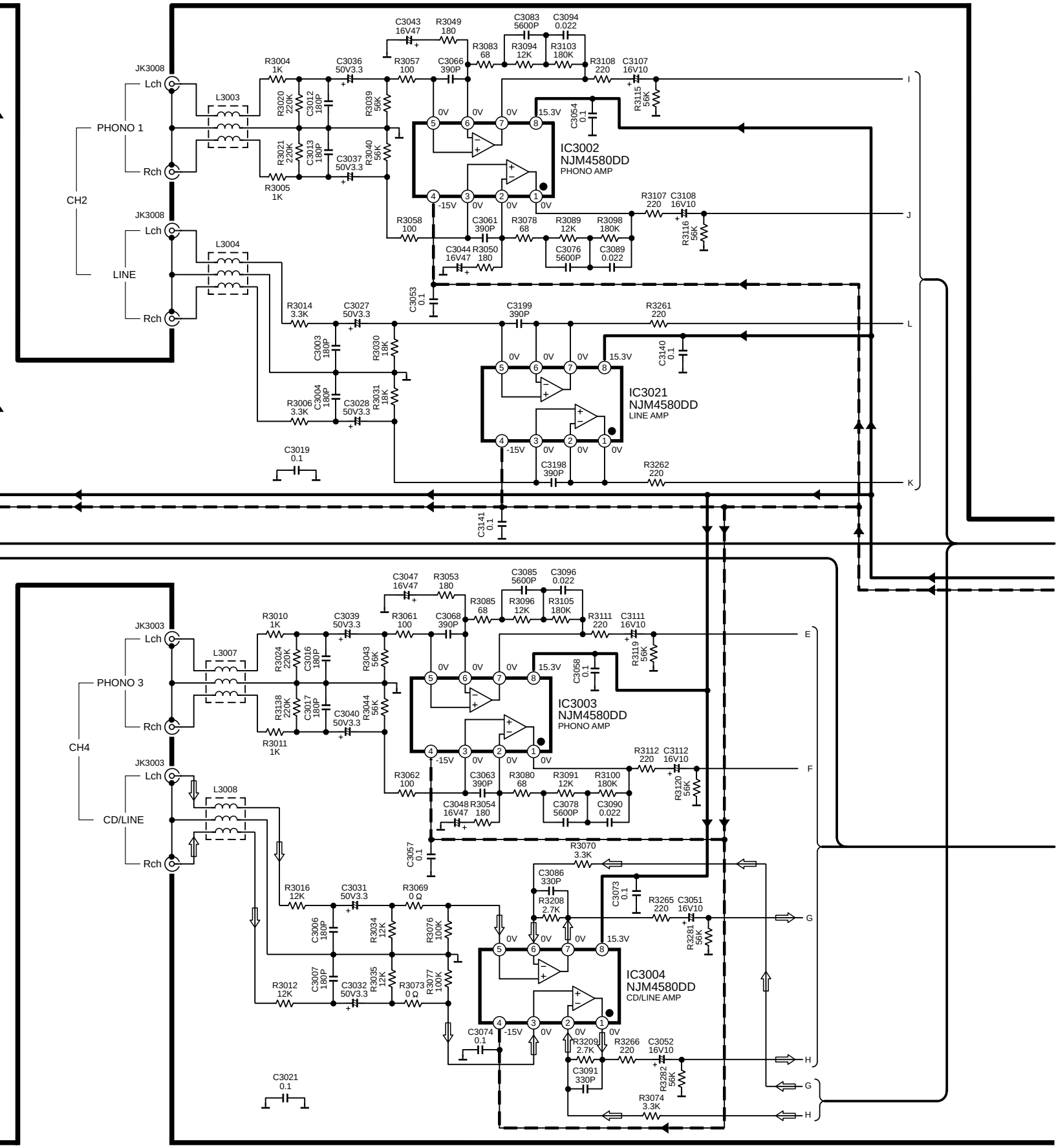
SCHEMATIC DIAGRAM-1

# A INPUT CIRCUIT

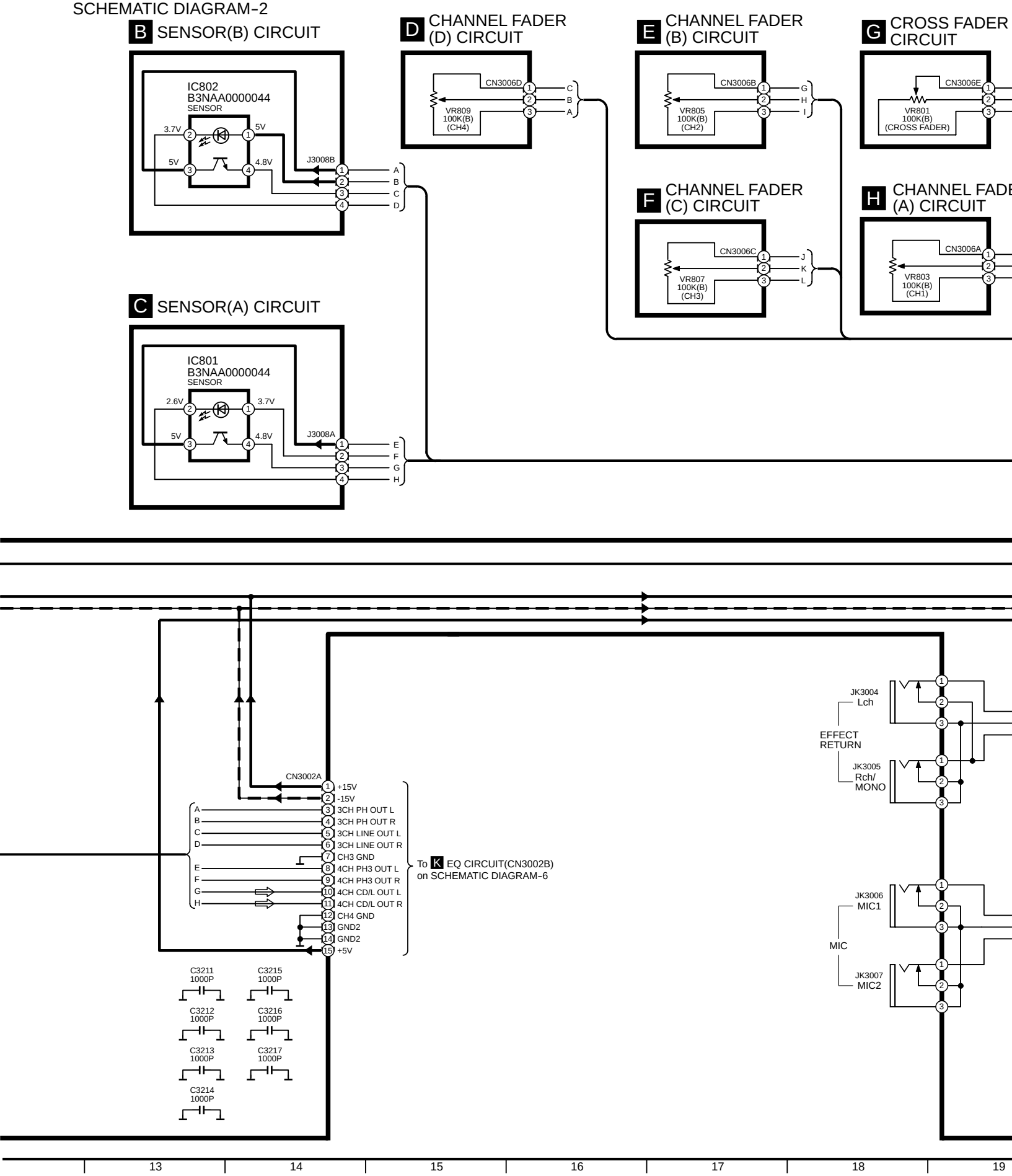
:POSITIVE VOLTAGE LINE :NEGATIVE VOLTAGE LINE :AUDIO SIGNAL(ANALOG) LINE

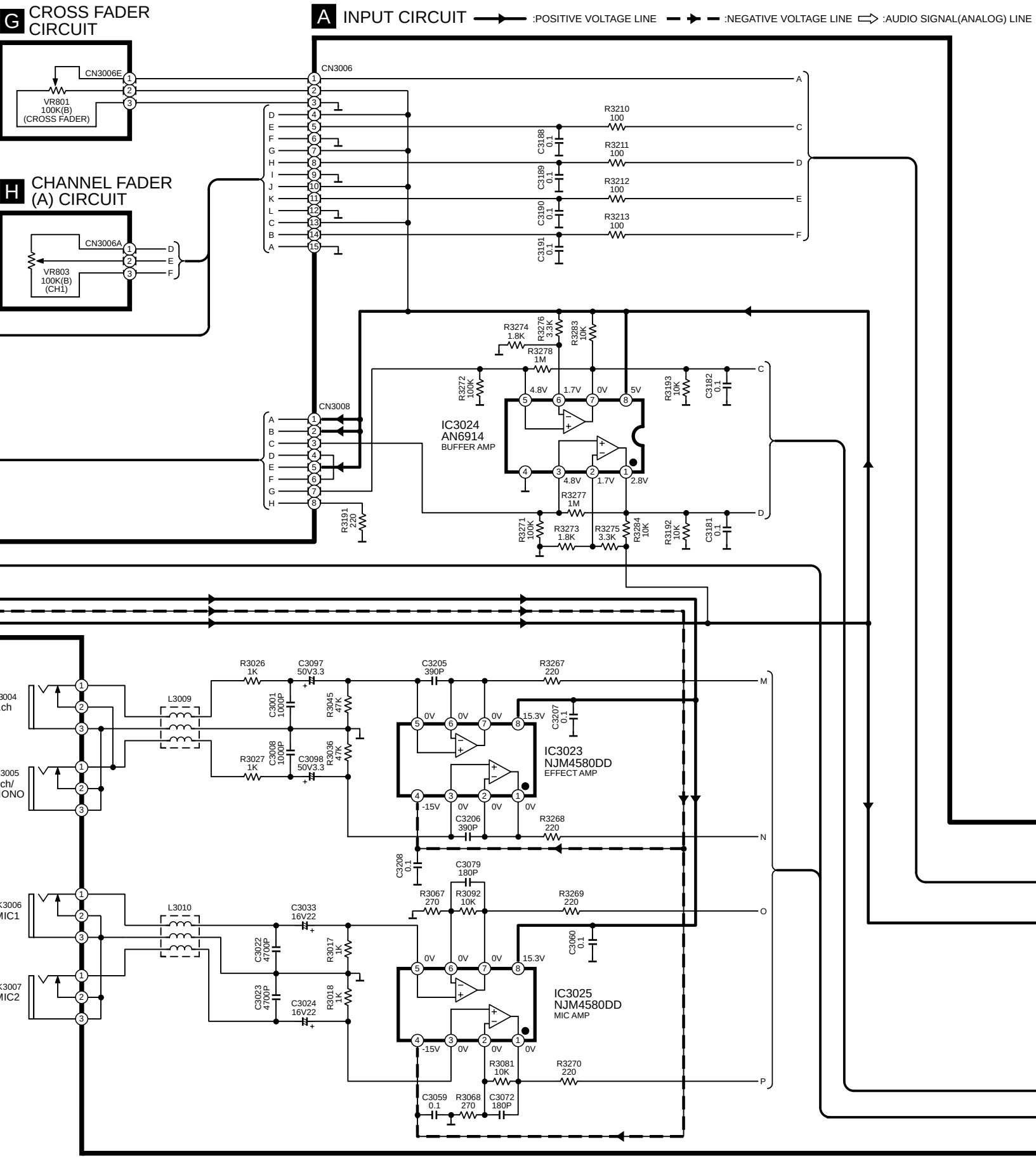


NOTE: The number which noted at the connectors on the schematic diagram as "SCHEMATIC DIAGRAM-1" or "SCHEMATIC DIAGRAM-2" indicates the schematic diagram serial number located on the left corner in the schematic diagram.



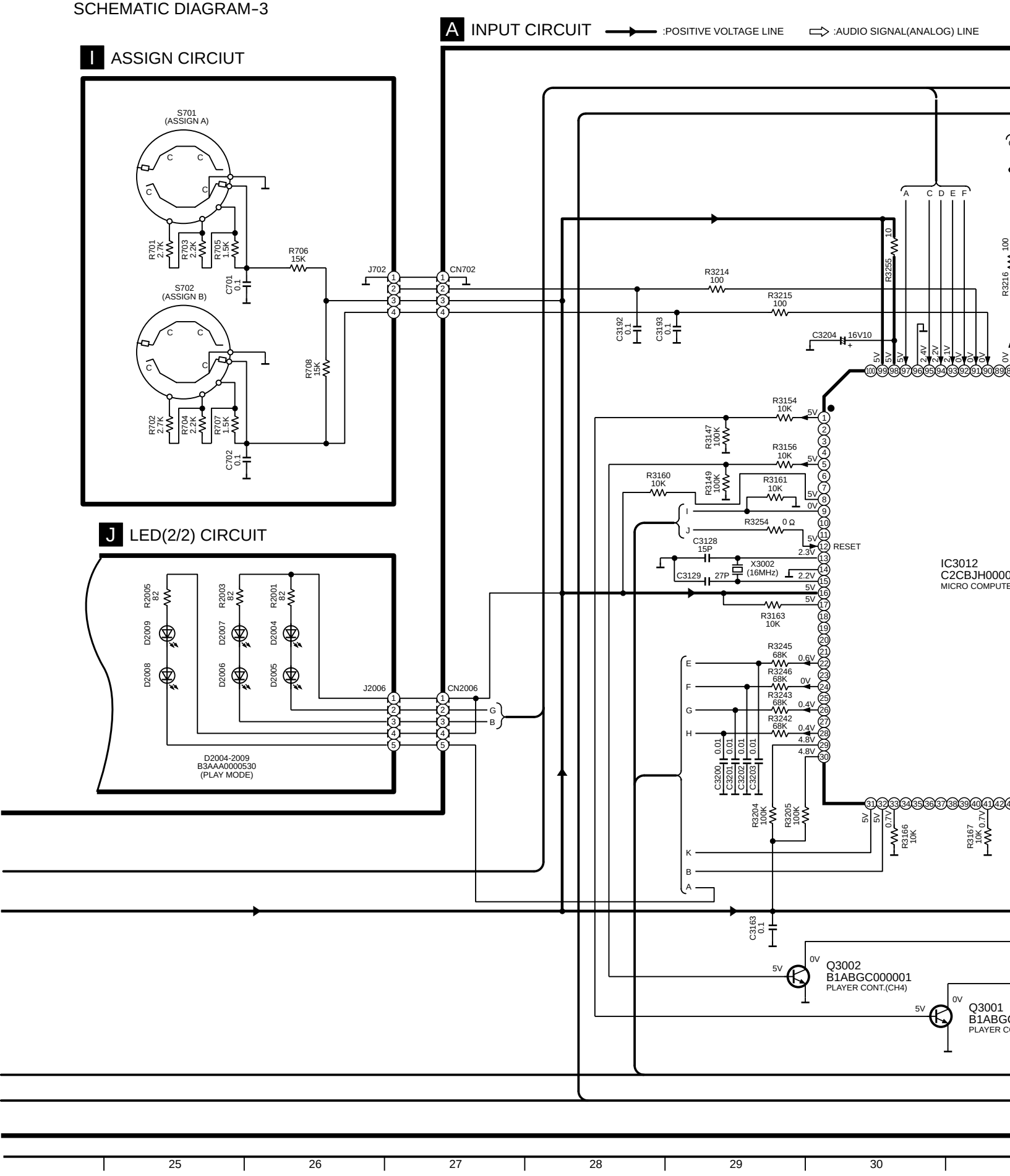
SCHEMATIC DIAGRAM–2



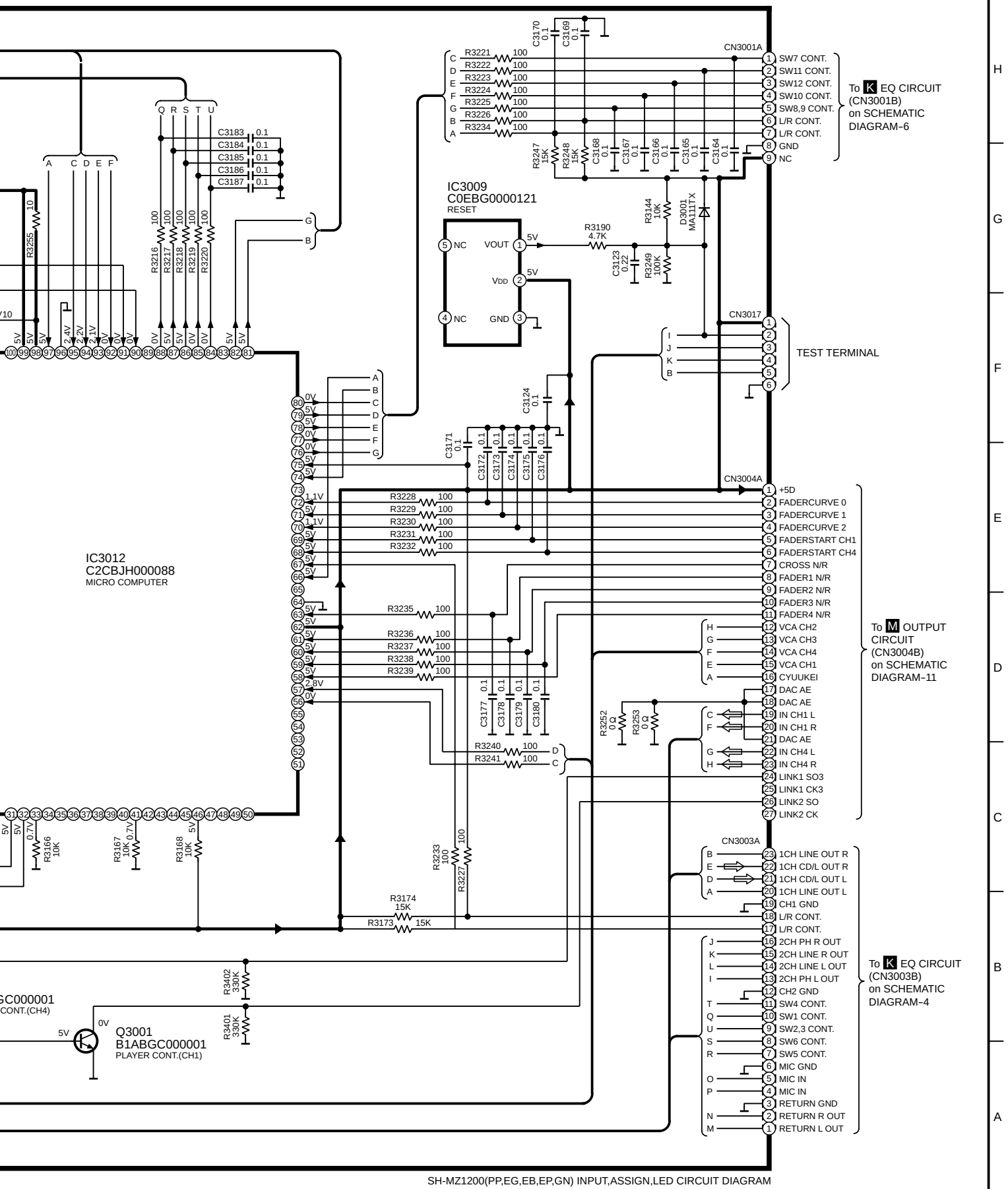



SH-MZ1200(PP,EG,EB,EP,GN) INPUT,SENSOR(A)/(B),CHANNEL FADER(A)/(B)/(C)/(D),CROSS FADER CIRCUIT DIAGRAM

SCHEMATIC DIAGRAM–3



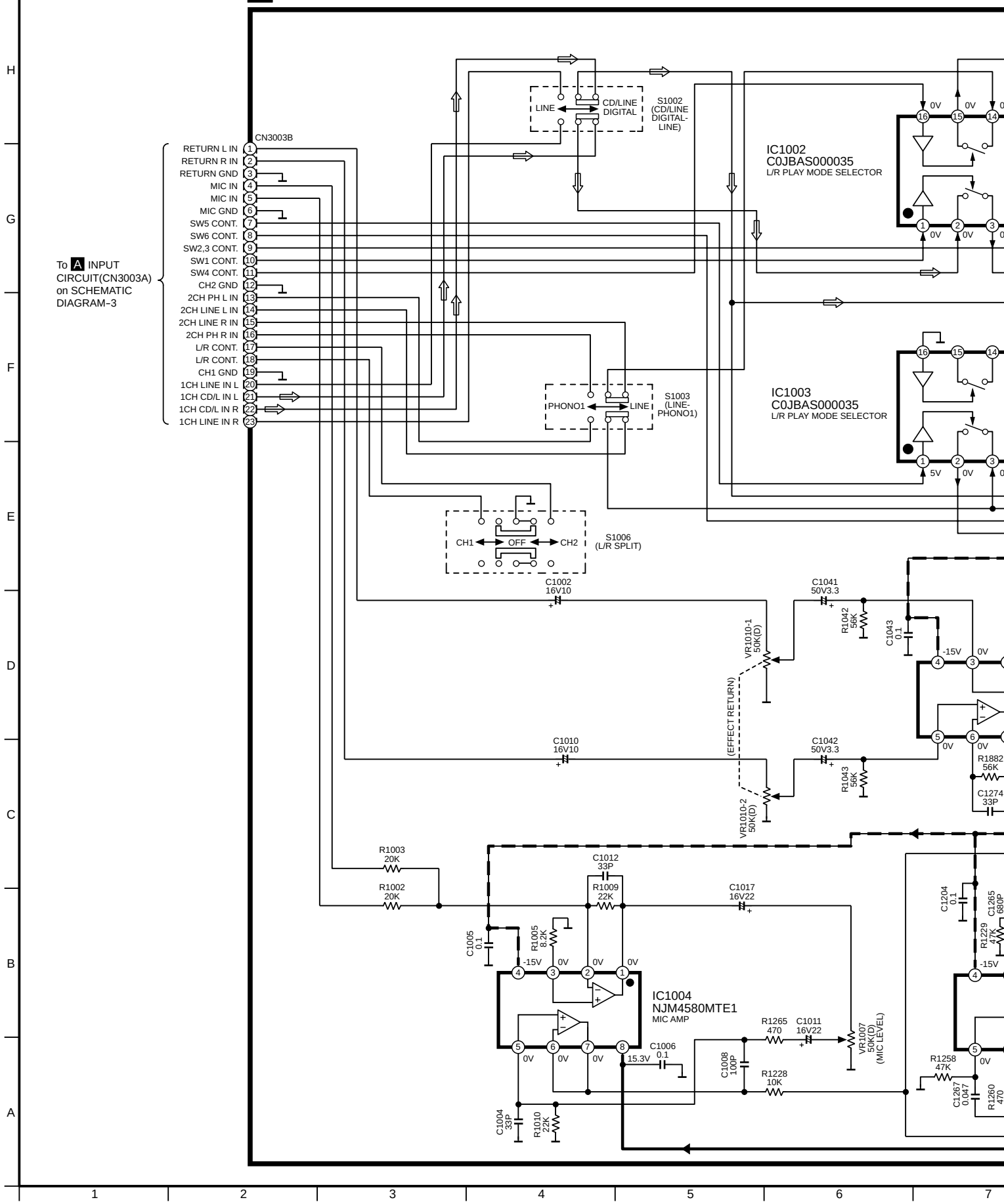

25 | 26 | 27 | 28 | 29 | 30


IC3009
C0EBG0000121
RESET
IC3012
C2CBJH000088
MICRO COMPUTER
Q3001
B1ABGC000001
PLAYER CONT.(CH1)
CN3001A
SW7 CONT.
SW11 CONT.
SW12 CONT.
SW10 CONT.
SW8,9 CONT.
L/R CONT.
L/R CONT.
GND
NC
To K EQ CIRCUIT (CN3001B) on SCHEMATIC DIAGRAM-6
CN3017
TEST TERMINAL
CN3004A
+5D
FADERCURVE 0
FADERCURVE 1
FADERCURVE 2
FADERSTART CH1
FADERSTART CH4
CROSS N/R
FADER1 N/R
FADER2 N/R
FADER3 N/R
FADER4 N/R
VCA CH2
VCA CH3
VCA CH4
VCA CH1
CYUUKEI
DAC AE
DAC AE
IN CH1 L
IN CH1 R
DAC AE
IN CH4 L
IN CH4 R
LINK1 SO3
LINK1 CK3
LINK2 SO
LINK2 CK
To M OUTPUT CIRCUIT (CN3004B) on SCHEMATIC DIAGRAM-11
CN3003A
1CH LINE OUT R
1CH CD/L OUT R
1CH CD/L OUT L
1CH LINE OUT L
CH1 GND
L/R CONT.
L/R CONT.
2CH PH R OUT
2CH LINE R OUT
2CH LINE L OUT
2CH PH L OUT
CH2 GND
SW4 CONT.
SW1 CONT.
SW2,3 CONT.
SW6 CONT.
SW5 CONT.
MIC GND
MIC IN
MIC IN
RETURN GND
RETURN R OUT
RETURN L OUT
To K EQ CIRCUIT (CN3003B) on SCHEMATIC DIAGRAM-4

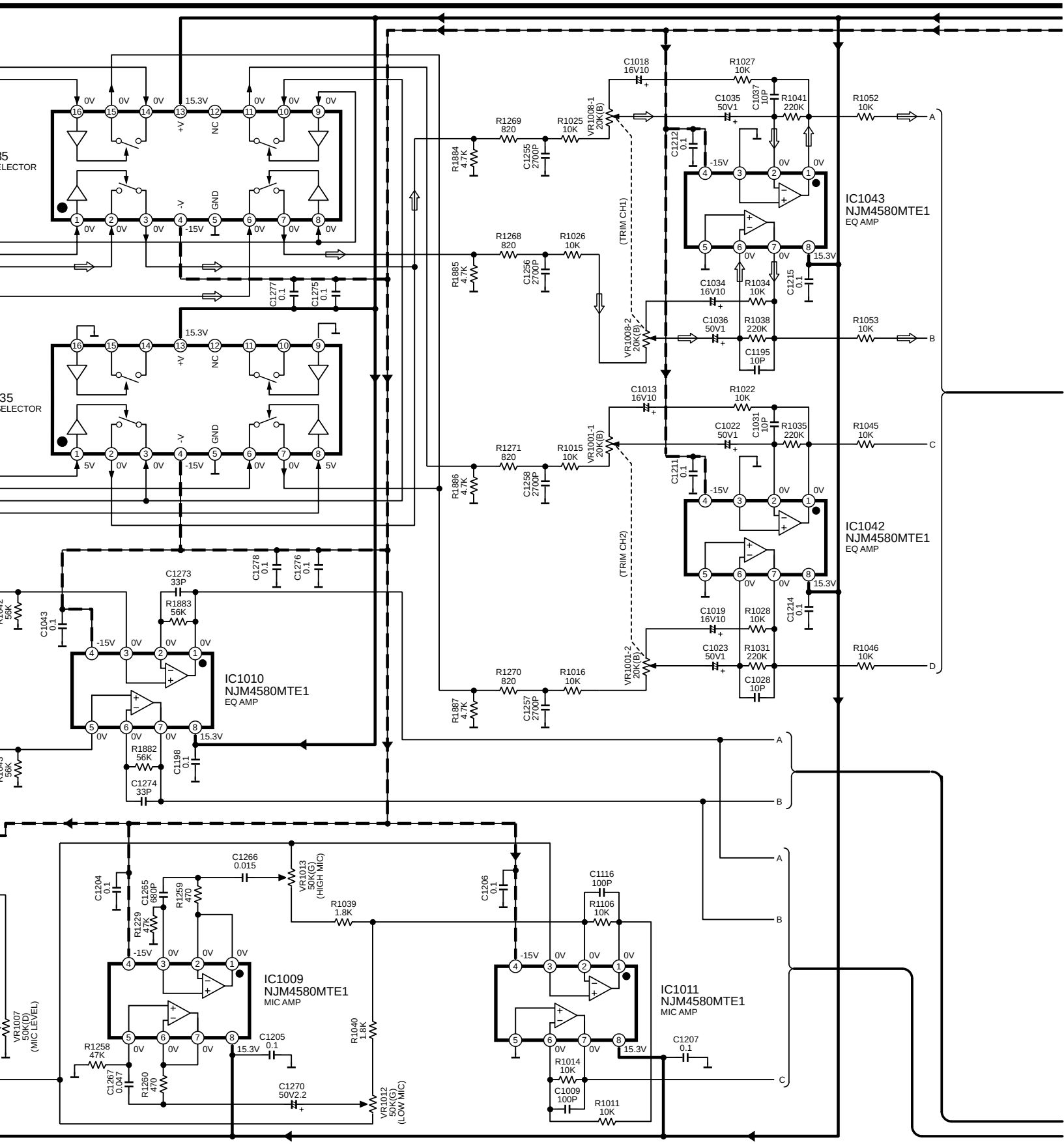
SCHEMATIC DIAGRAM–4

## K EQ CIRCUIT

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



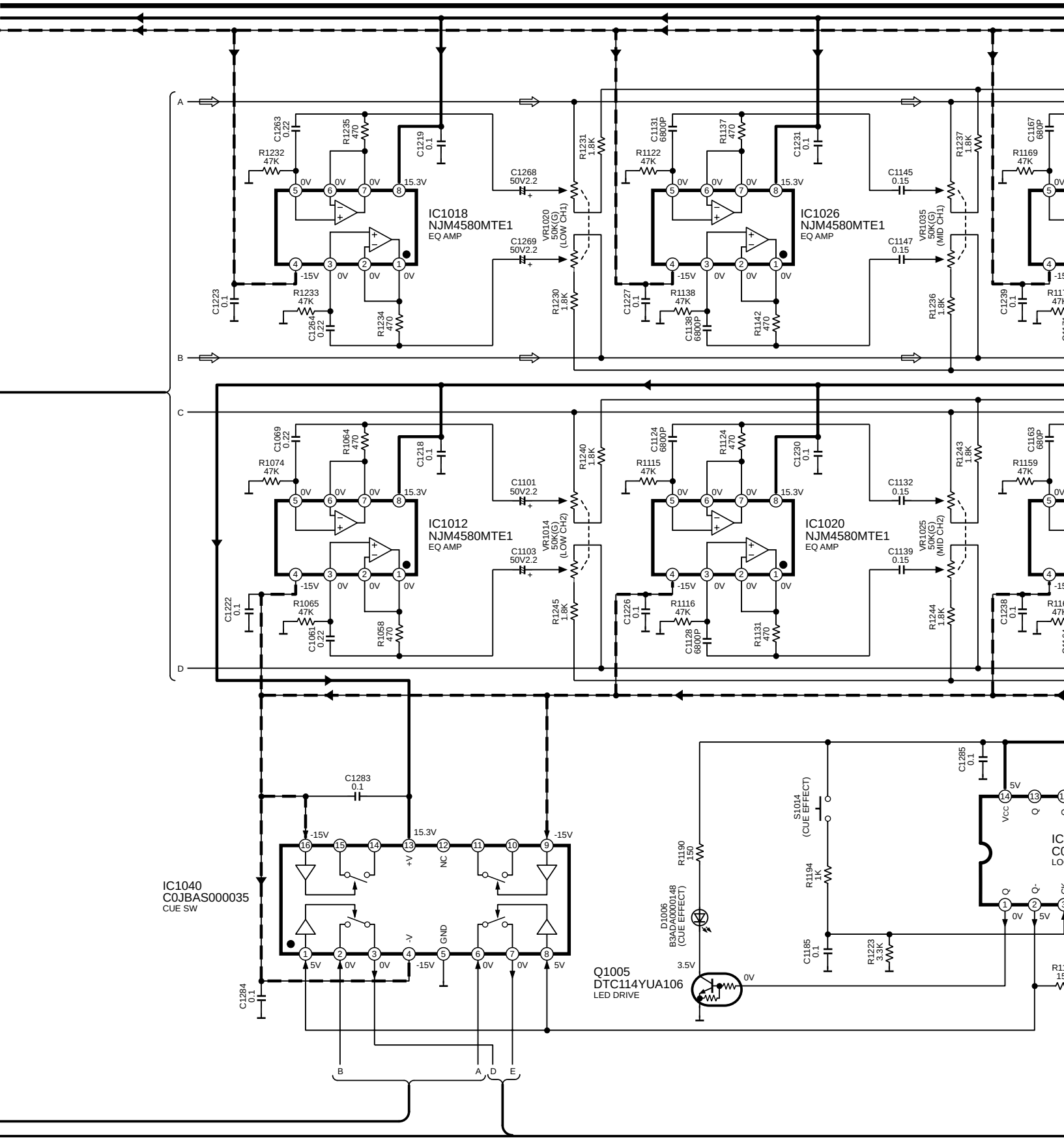
:AUDIO SIGNAL(ANALOG) LINE



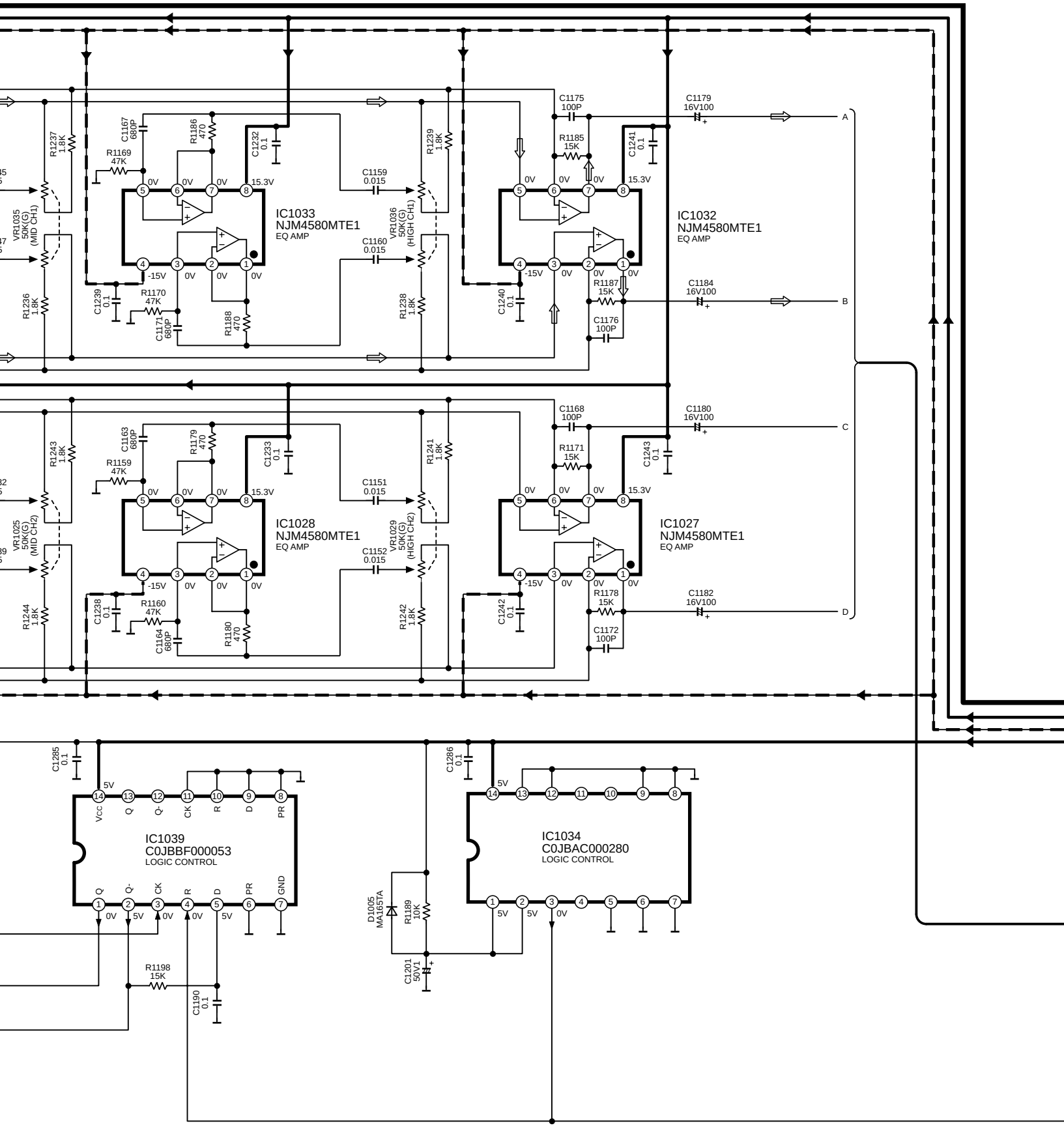
SCHEMATIC DIAGRAM-5

## K EQ CIRCUIT

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



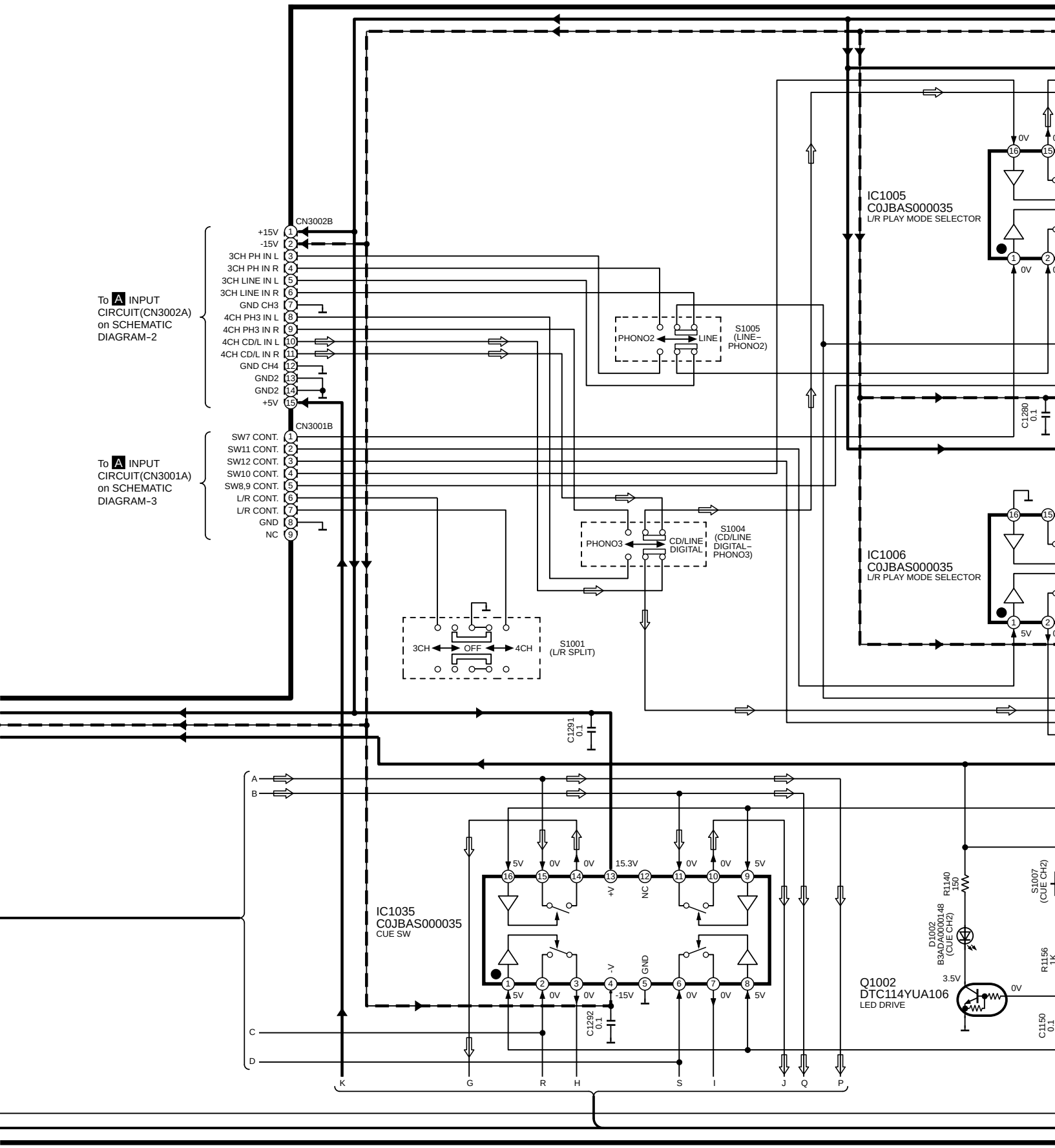
AUDIO SIGNAL(ANALOG) LINE



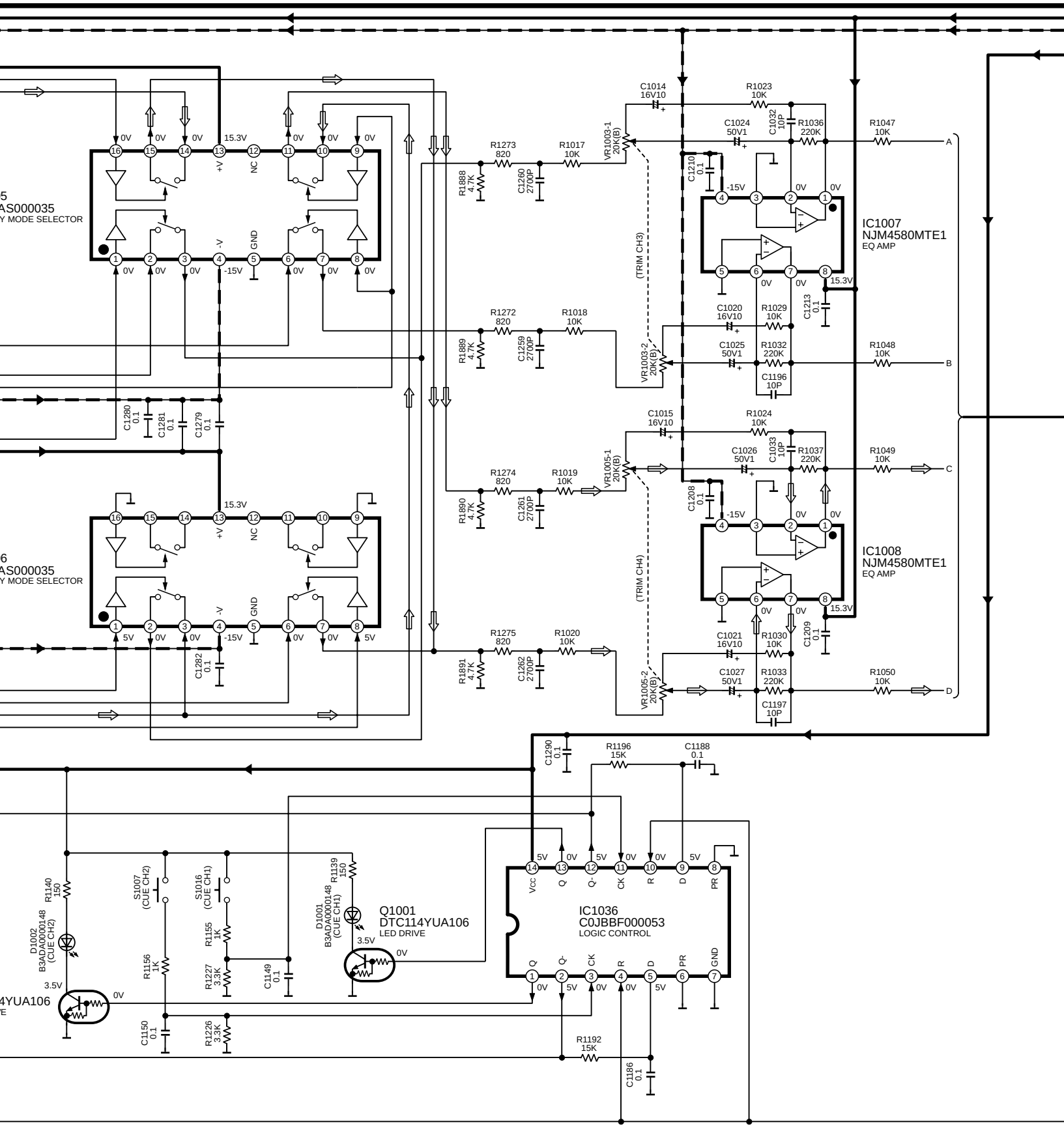
SCHEMATIC DIAGRAM–6

## K EQ CIRCUIT

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

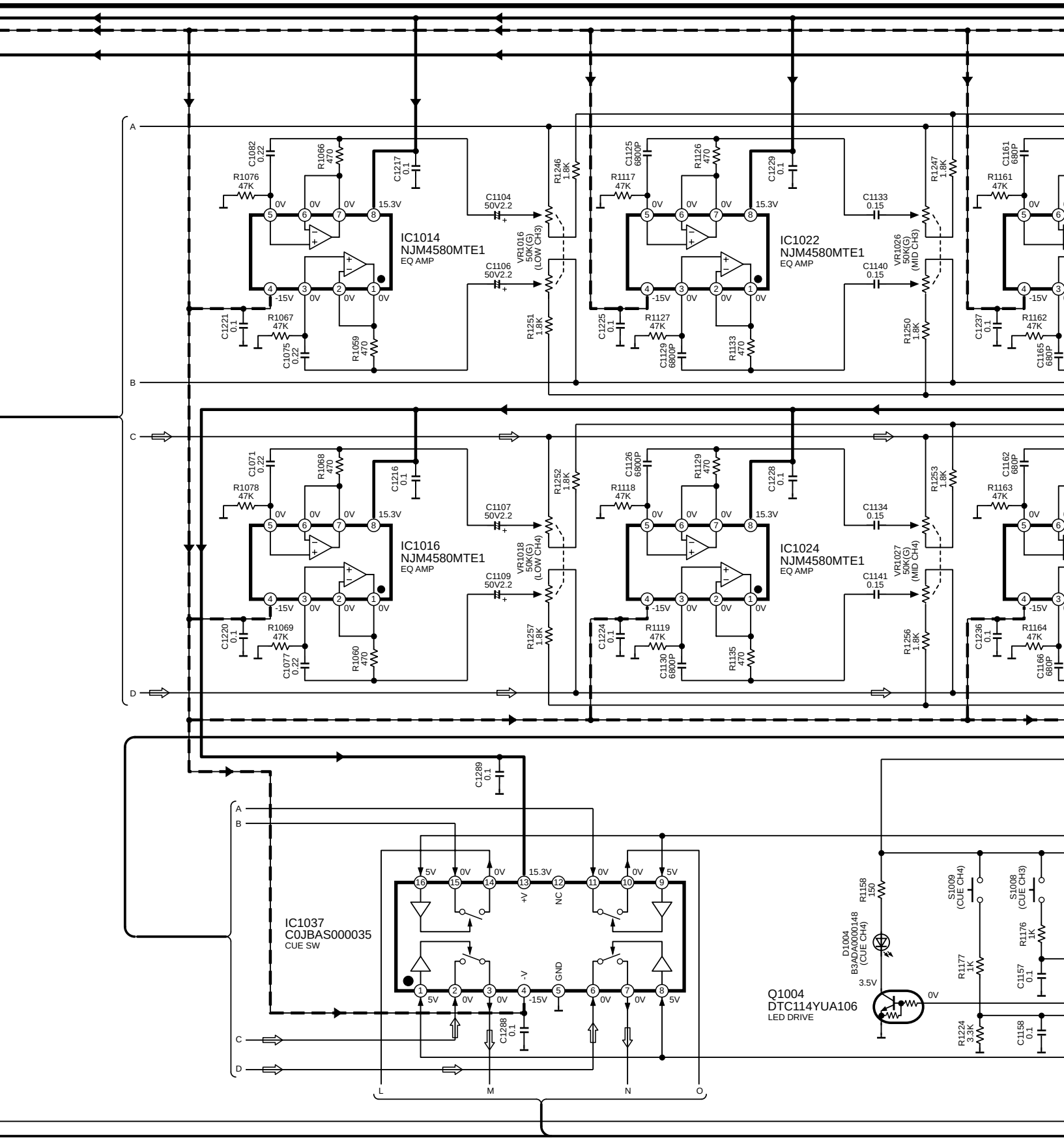



| 25 | 26 | 27 | 28 | 29 | 30 | 31 |
|---|---|---|---|---|---|---|

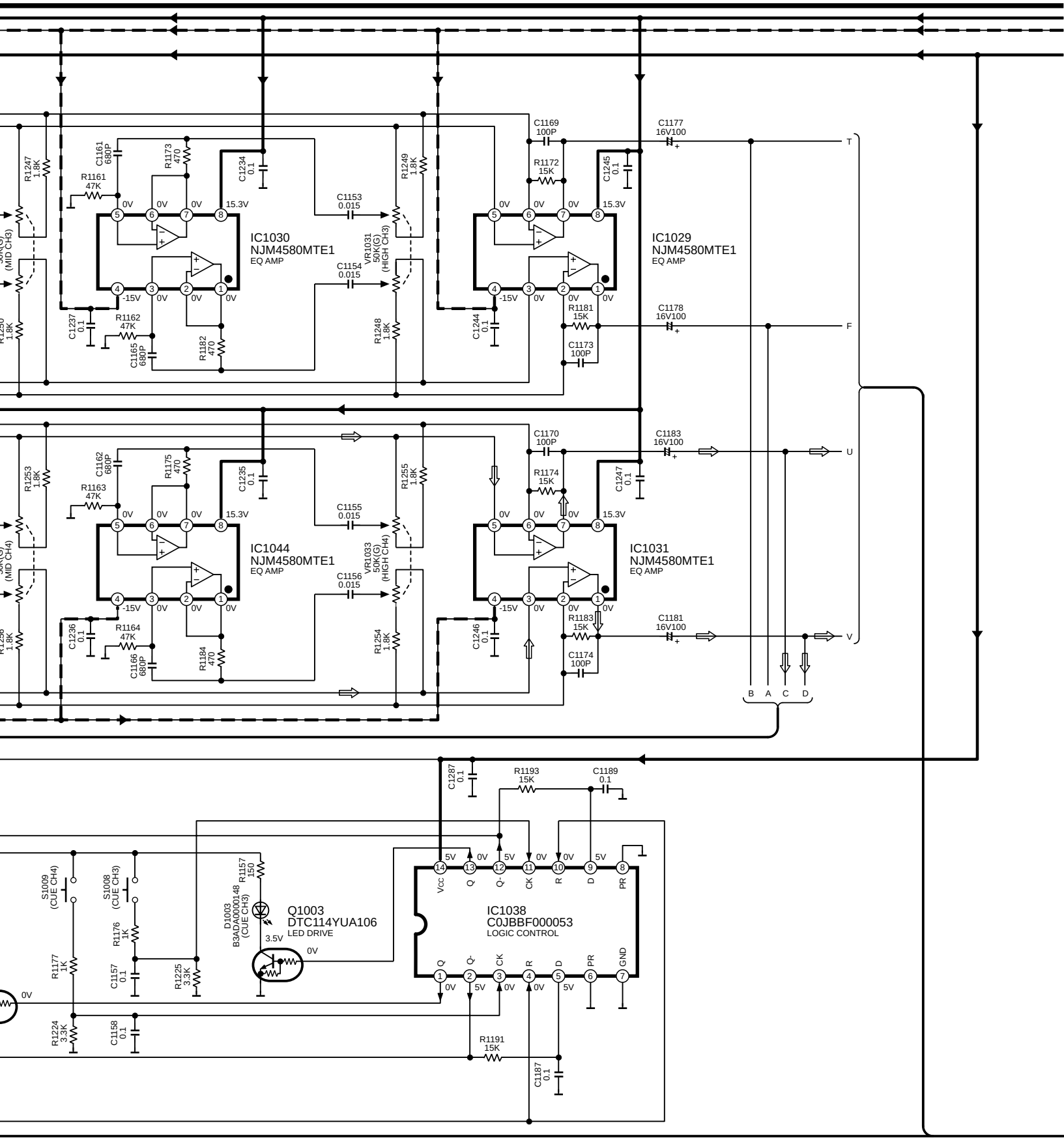

IC1007
NJM4580MTE1
EQ AMP
IC1008
NJM4580MTE1
EQ AMP
IC1036
C0JBBF000053
LOGIC CONTROL
Q1001
DTC114YUA106
LED DRIVE
(TRIM CH3)
(TRIM CH4)
AS000035
Y MODE SELECTOR
AS000035
Y MODE SELECTOR
4YUA106

## K EQ CIRCUIT

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



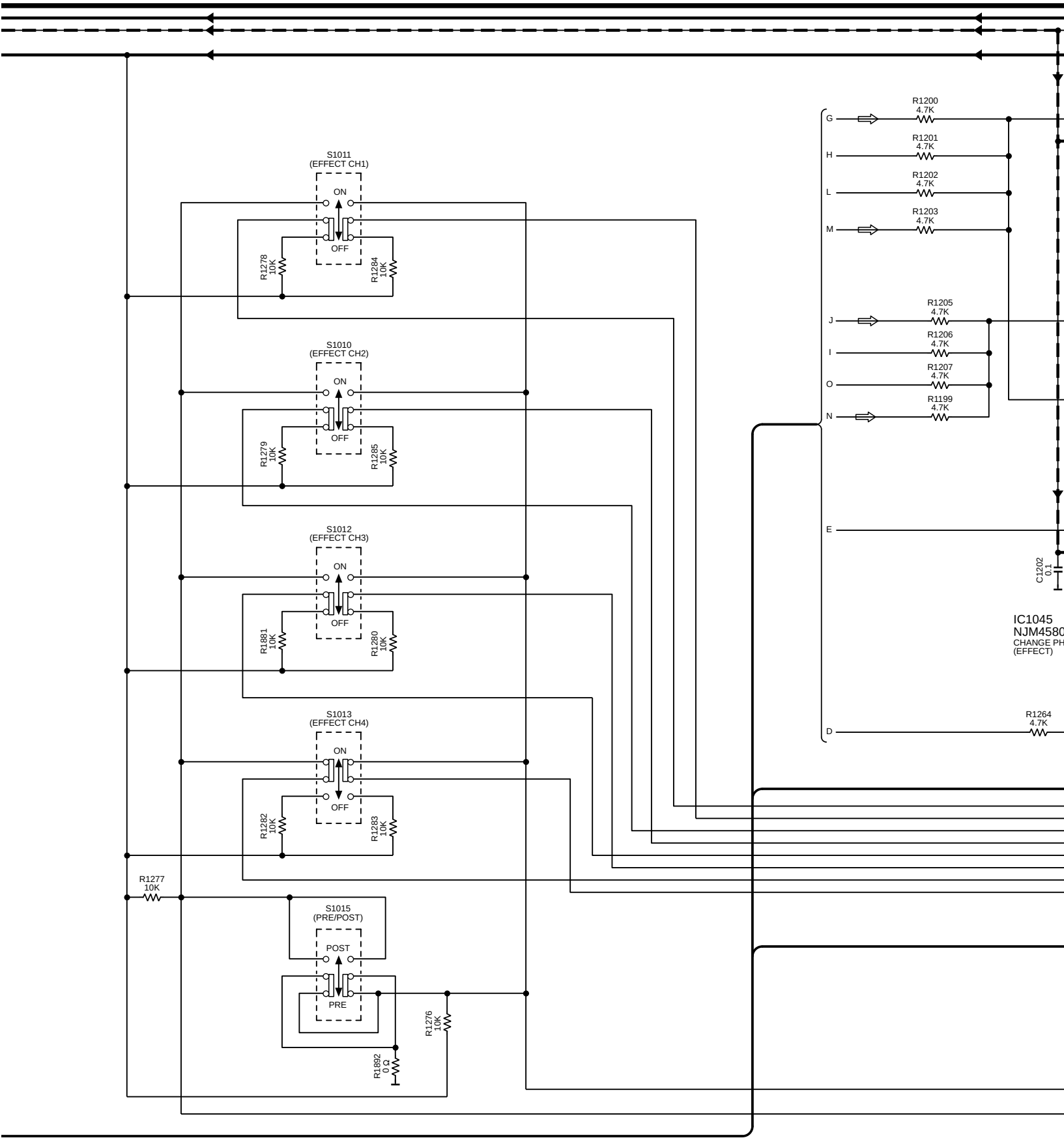
AUDIO SIGNAL(ANALOG) LINE

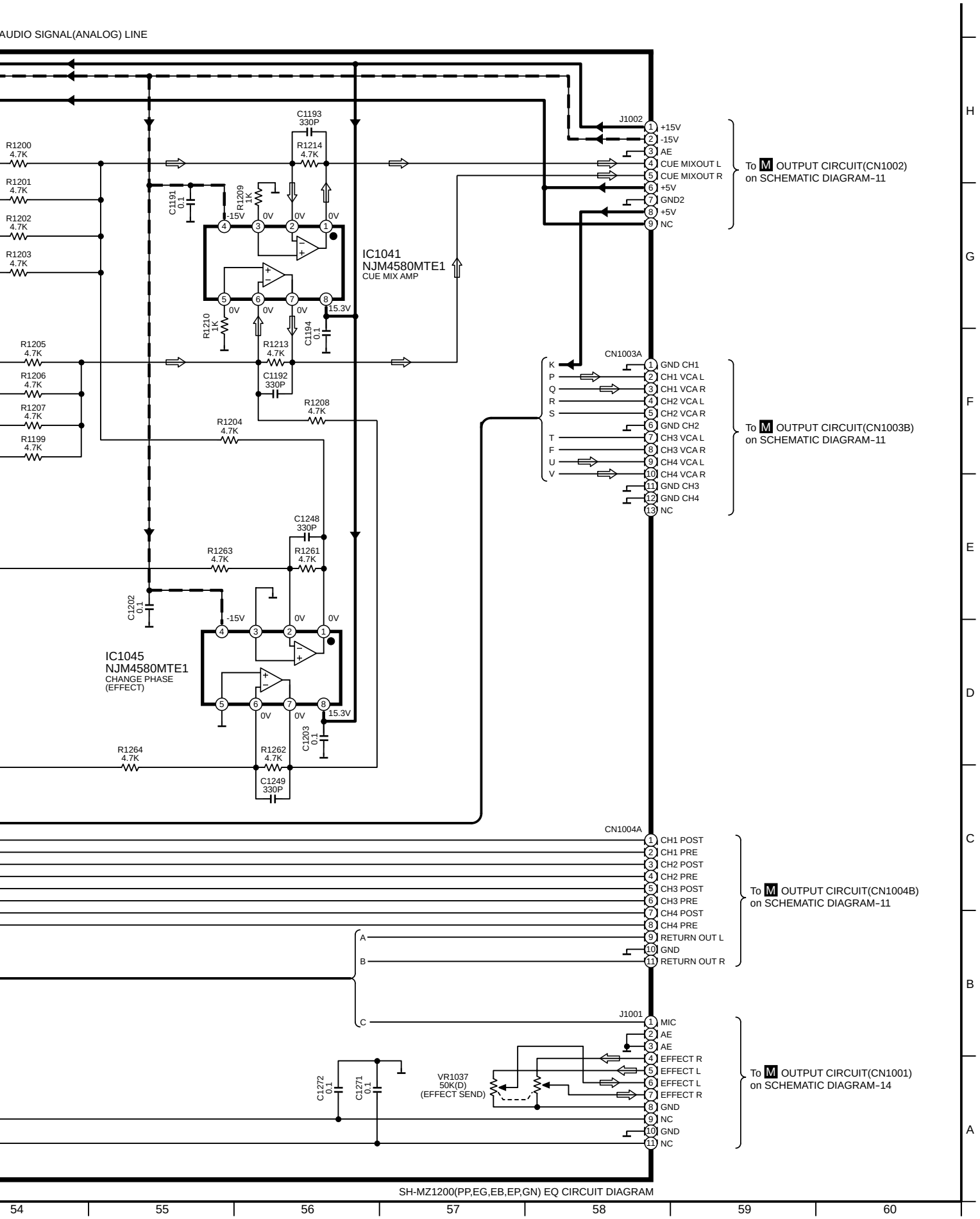


SCHEMATIC DIAGRAM–8

## K EQ CIRCUIT

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



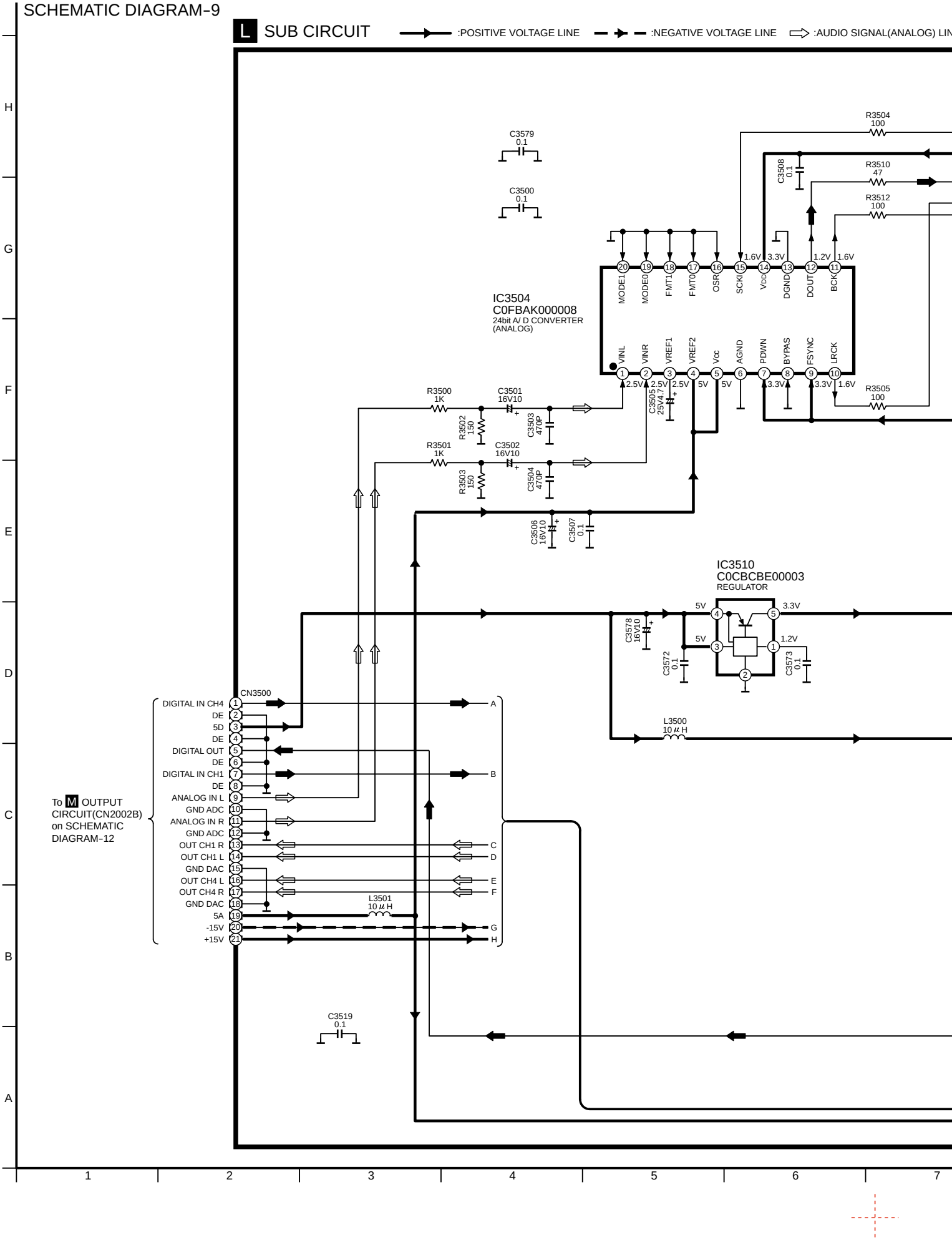



SH-MZ1200(PP,EG,EB,EP,GN) EQ CIRCUIT DIAGRAM

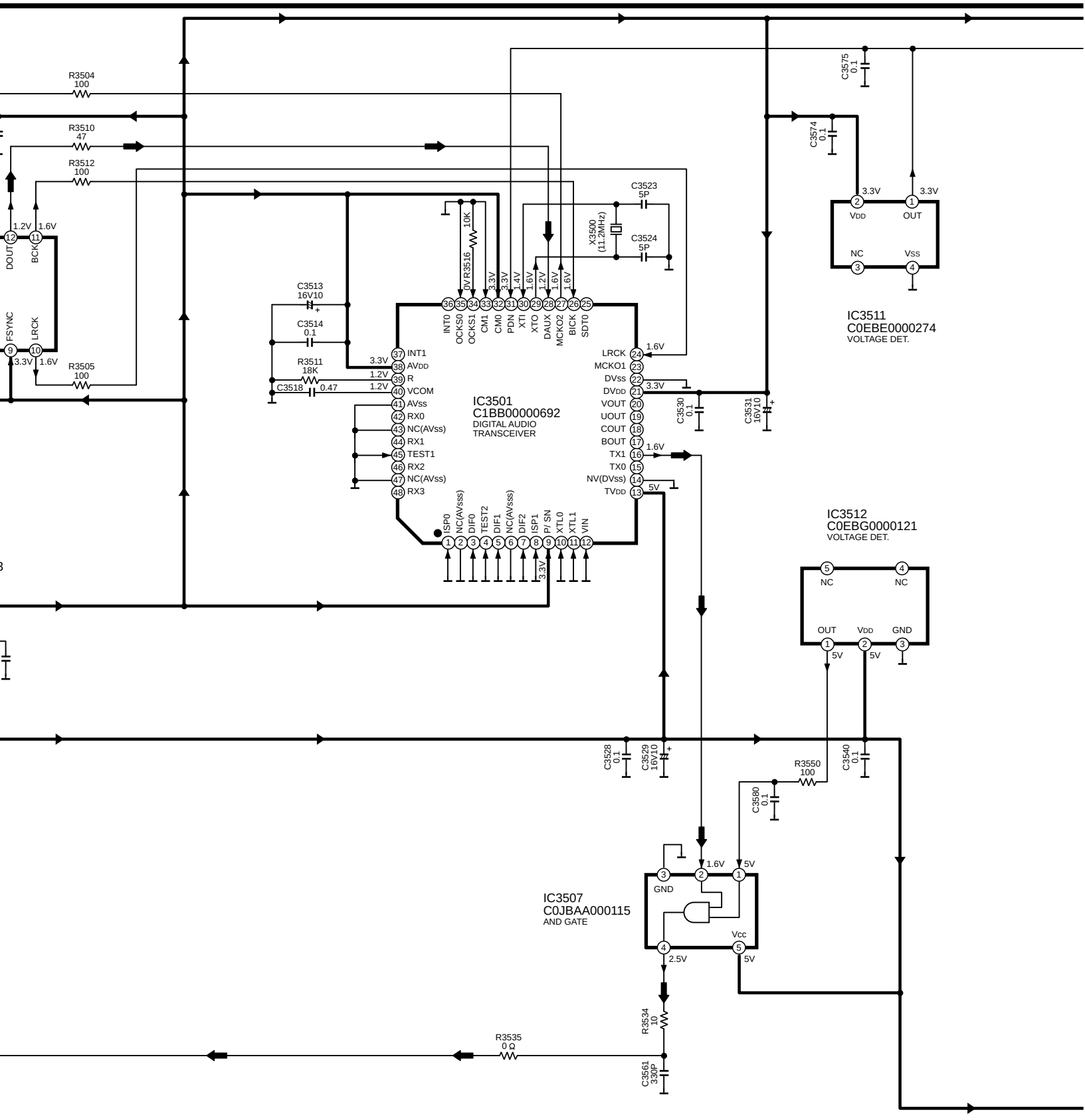
SCHEMATIC DIAGRAM–9

L SUB CIRCUIT

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



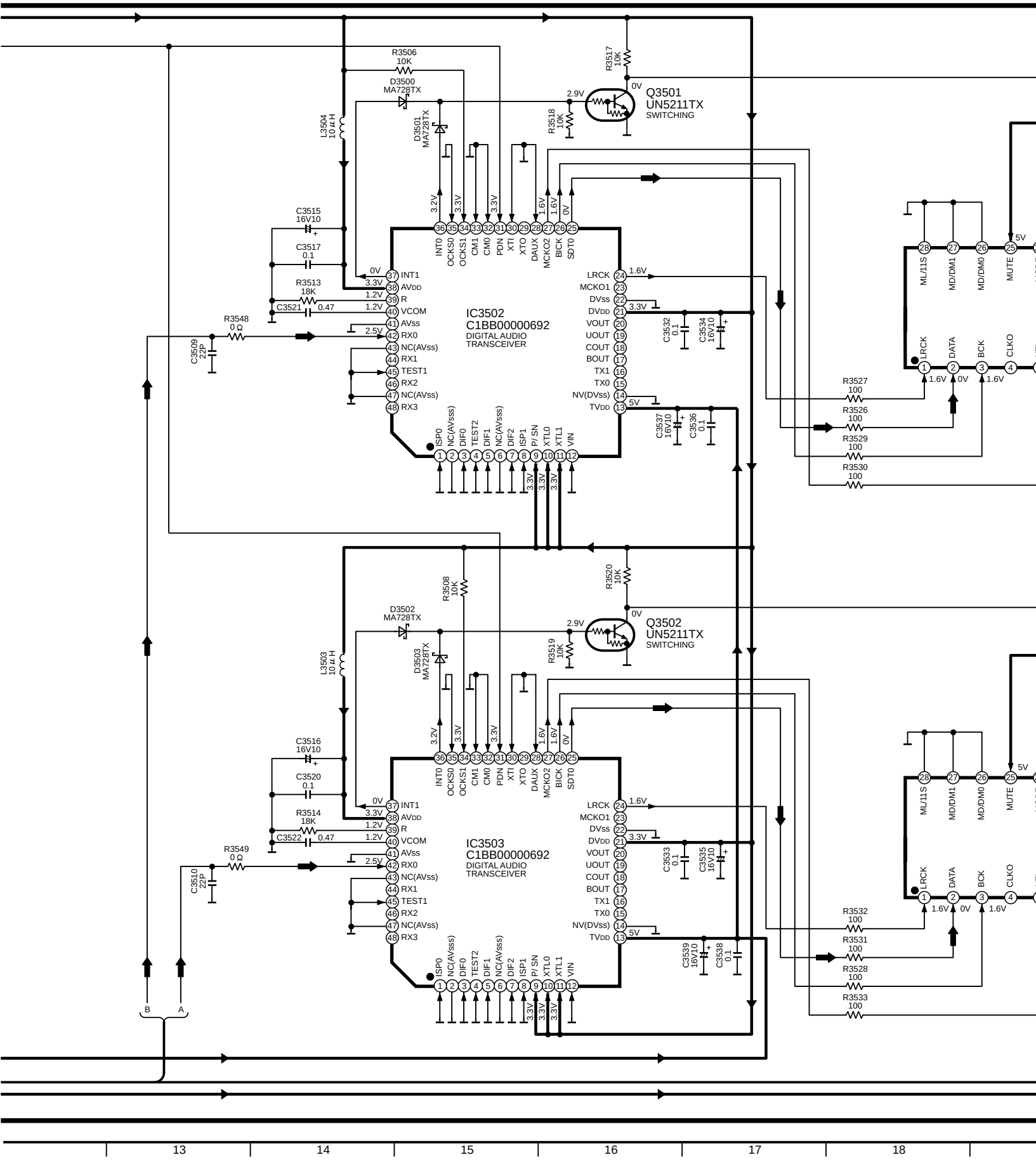
:AUDIO SIGNAL(ANALOG) LINE :AUDIO SIGNAL(DIGITAL) LINE



SCHEMATIC DIAGRAM–10

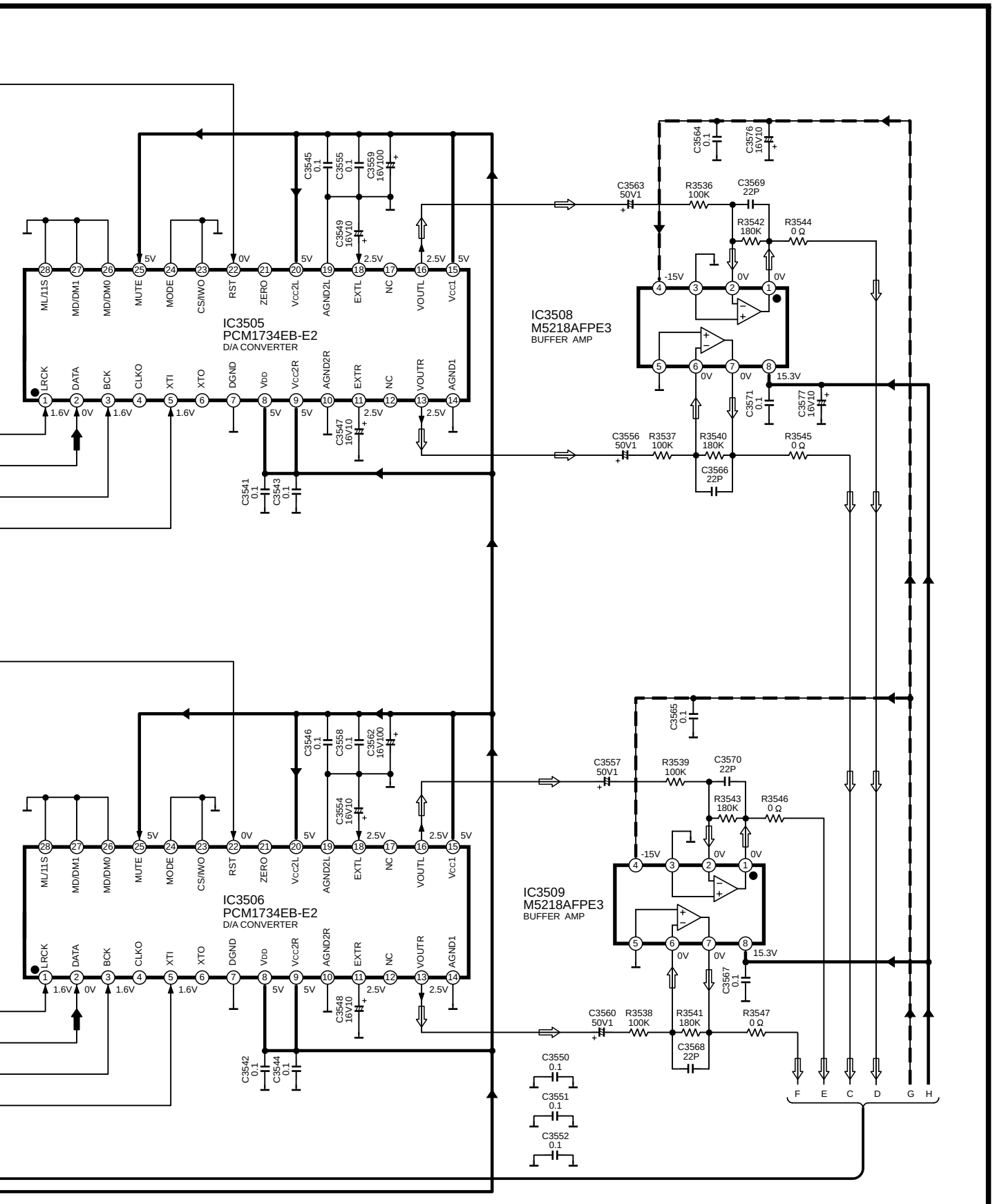
L SUB CIRCUIT

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




| 13 | 14 | 15 | 16 | 17 | 18 |
|---|---|---|---|---|---|

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

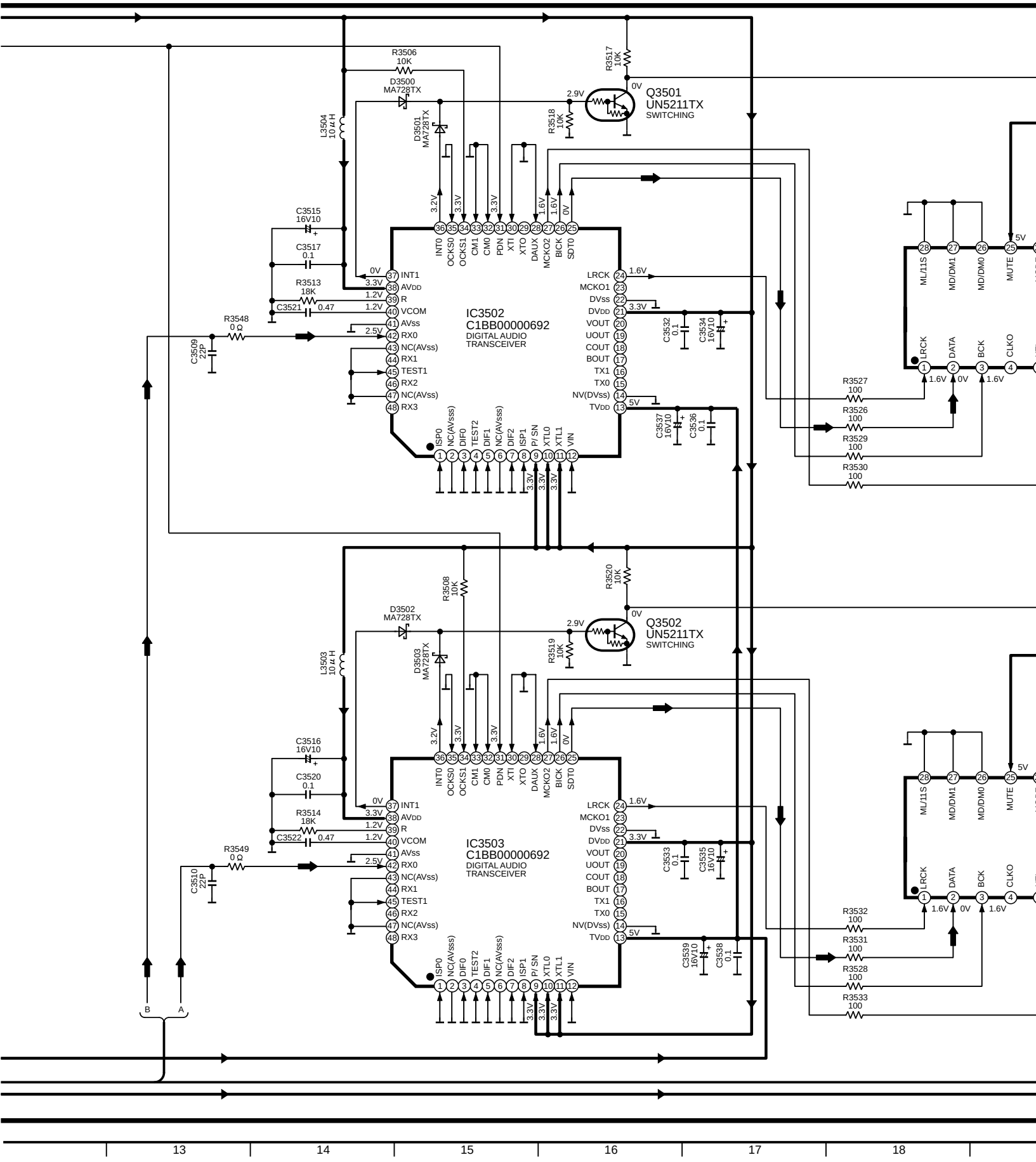



SH-MZ1200(PP,EG,EB,EP,GN) SUB CIRCUIT DIAGRAM

SCHEMATIC DIAGRAM–10

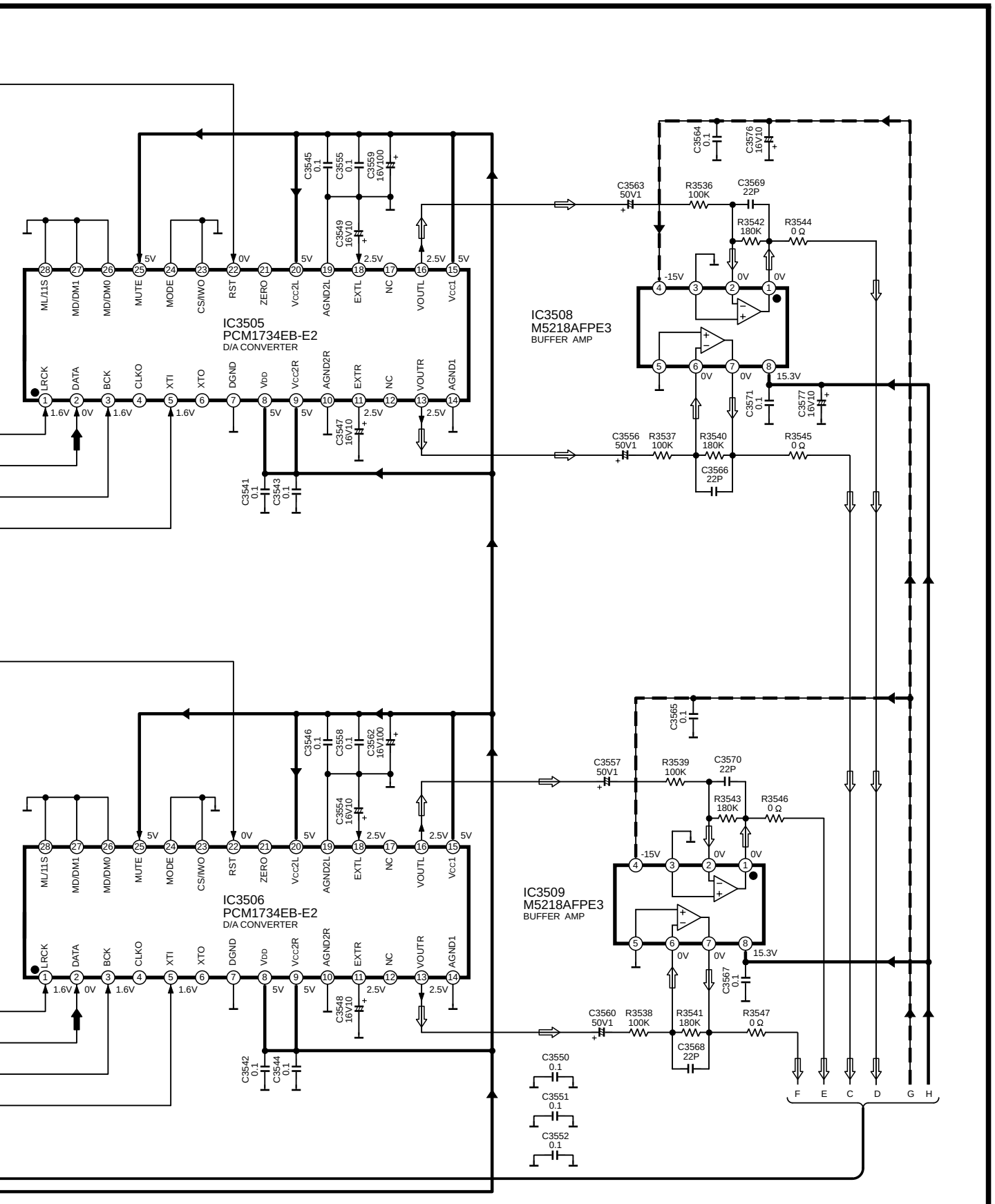
L SUB CIRCUIT

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




| 13 | 14 | 15 | 16 | 17 | 18 |
|---|---|---|---|---|---|

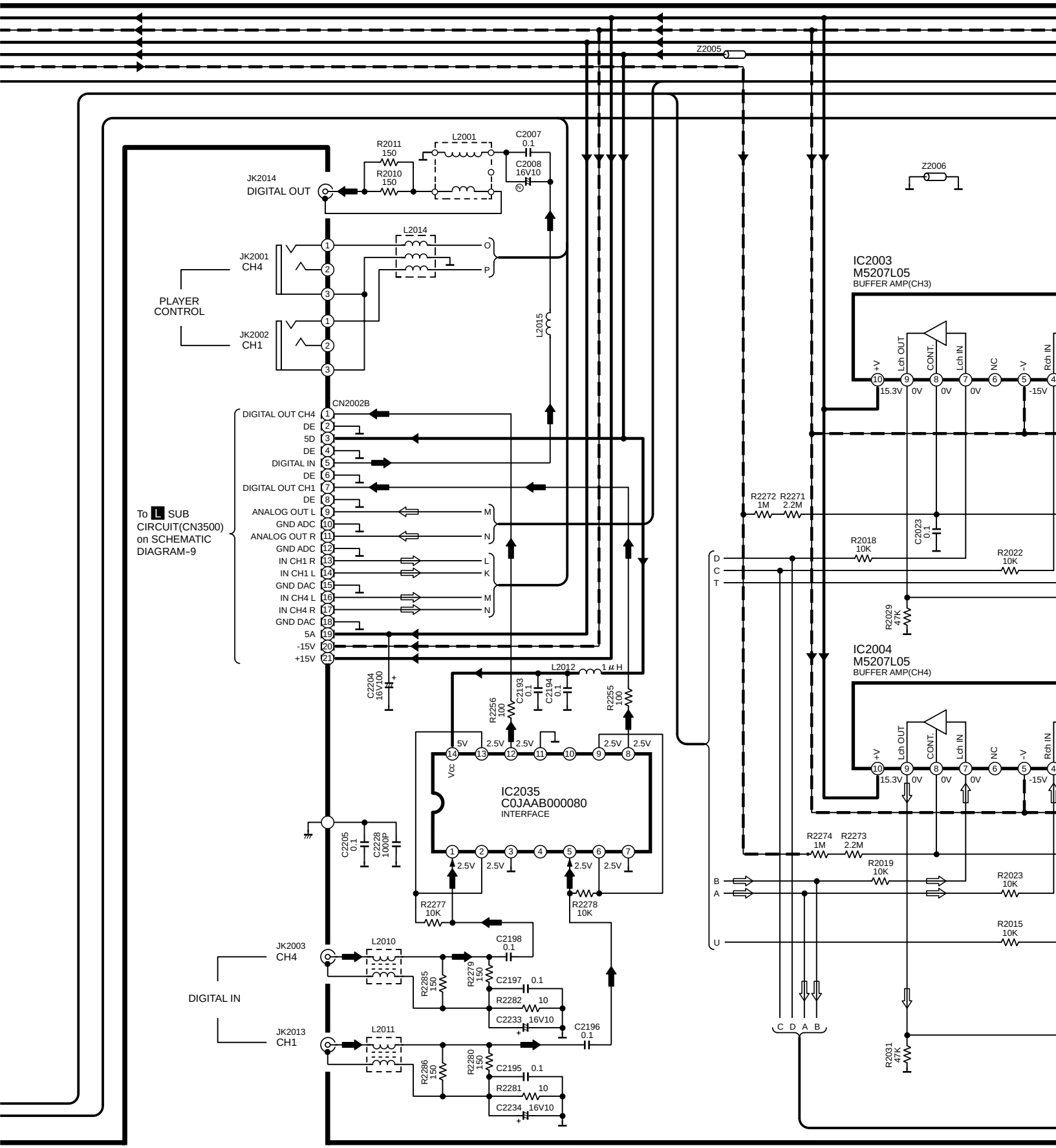
AUDIO SIGNAL(ANALOG) LINE ➡ :AUDIO SIGNAL(DIGITAL) LINE



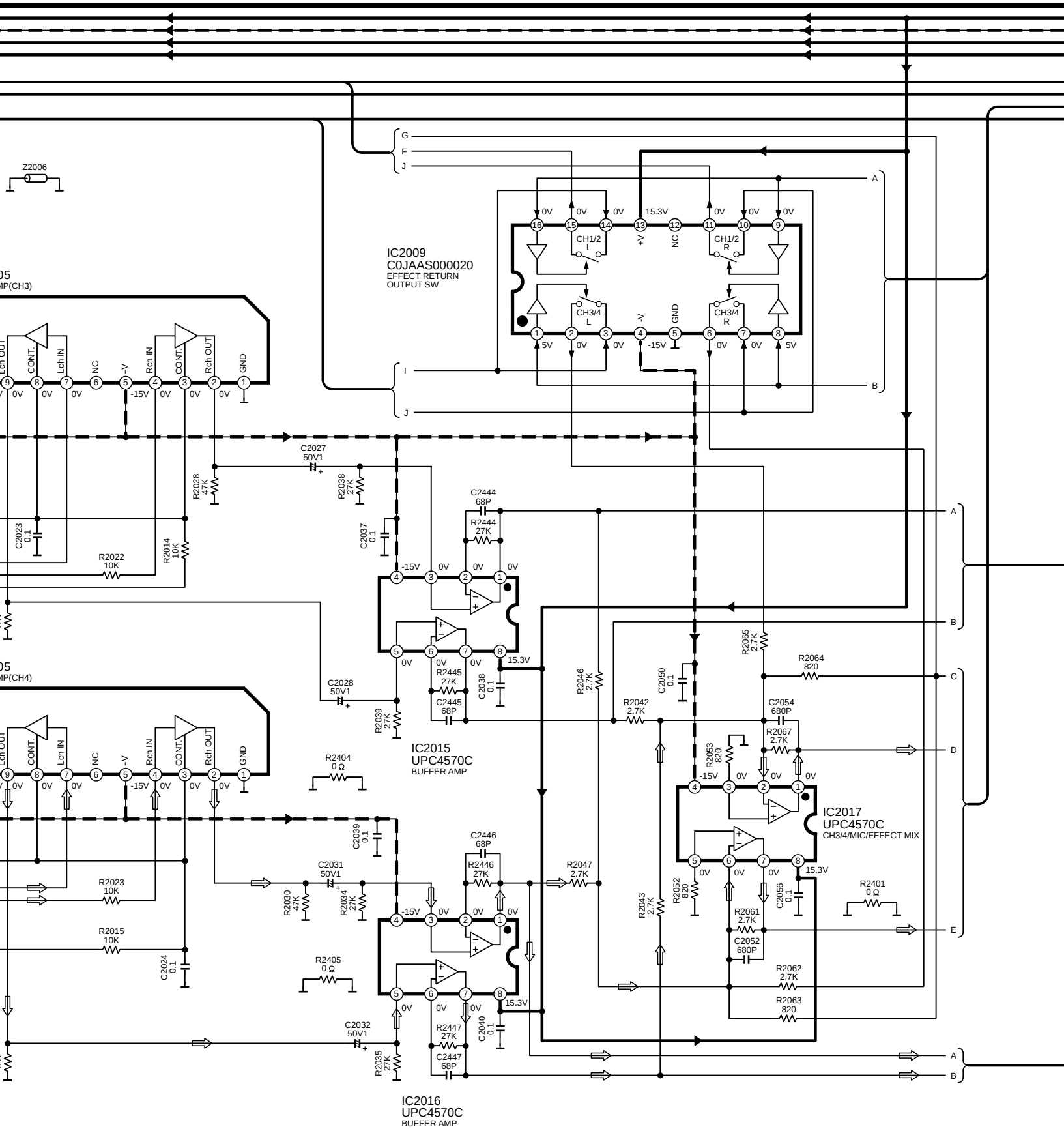

SH-MZ1200(PP,EG,EB,EP,GN) SUB CIRCUIT DIAGRAM

## M OUTPUT CIRCUIT

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



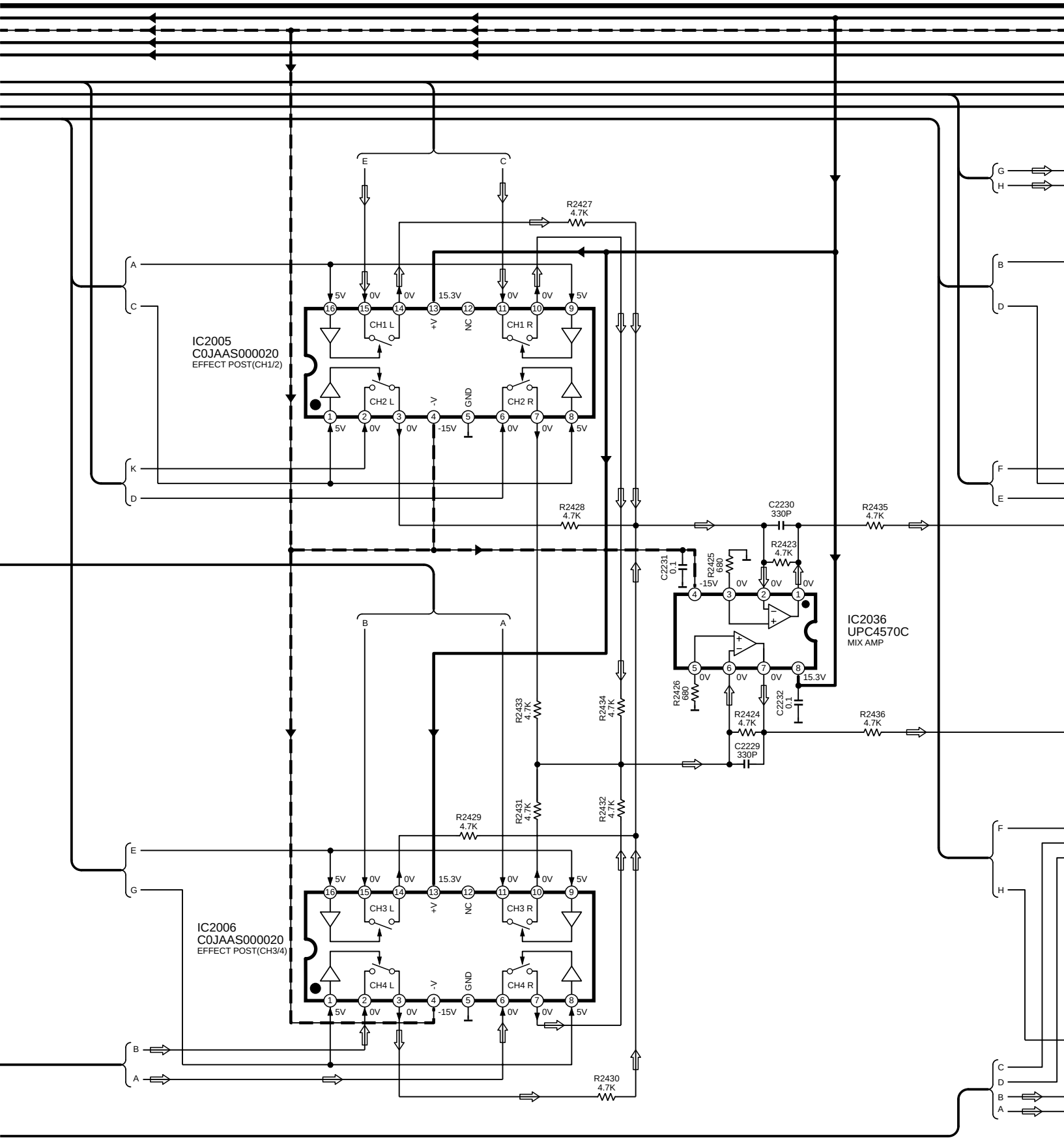
GE LINE :AUDIO SIGNAL(ANALOG) LINE :AUDIO SIGNAL(DIGITAL) LINE



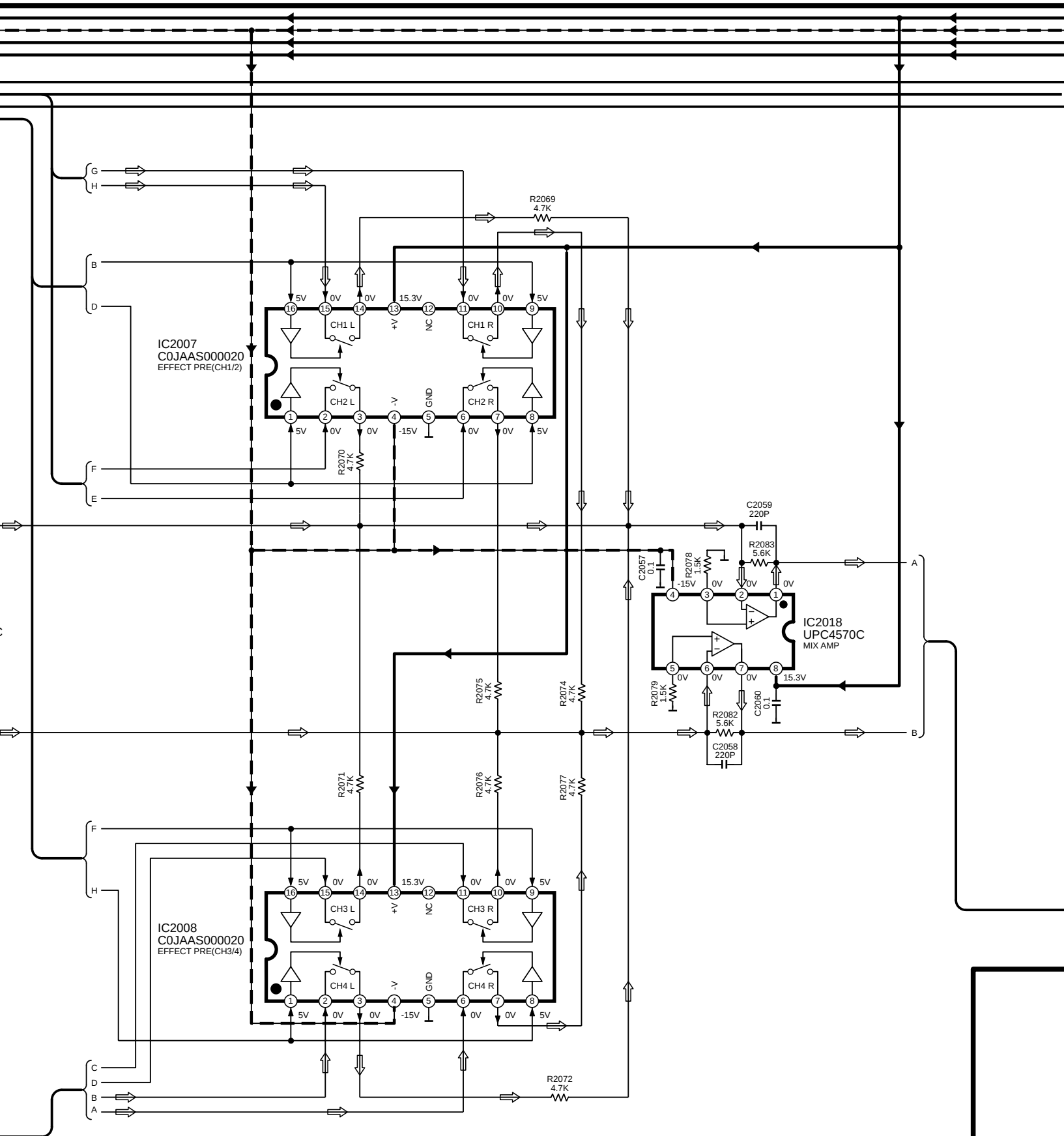
SCHEMATIC DIAGRAM–13

## M OUTPUT CIRCUIT

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



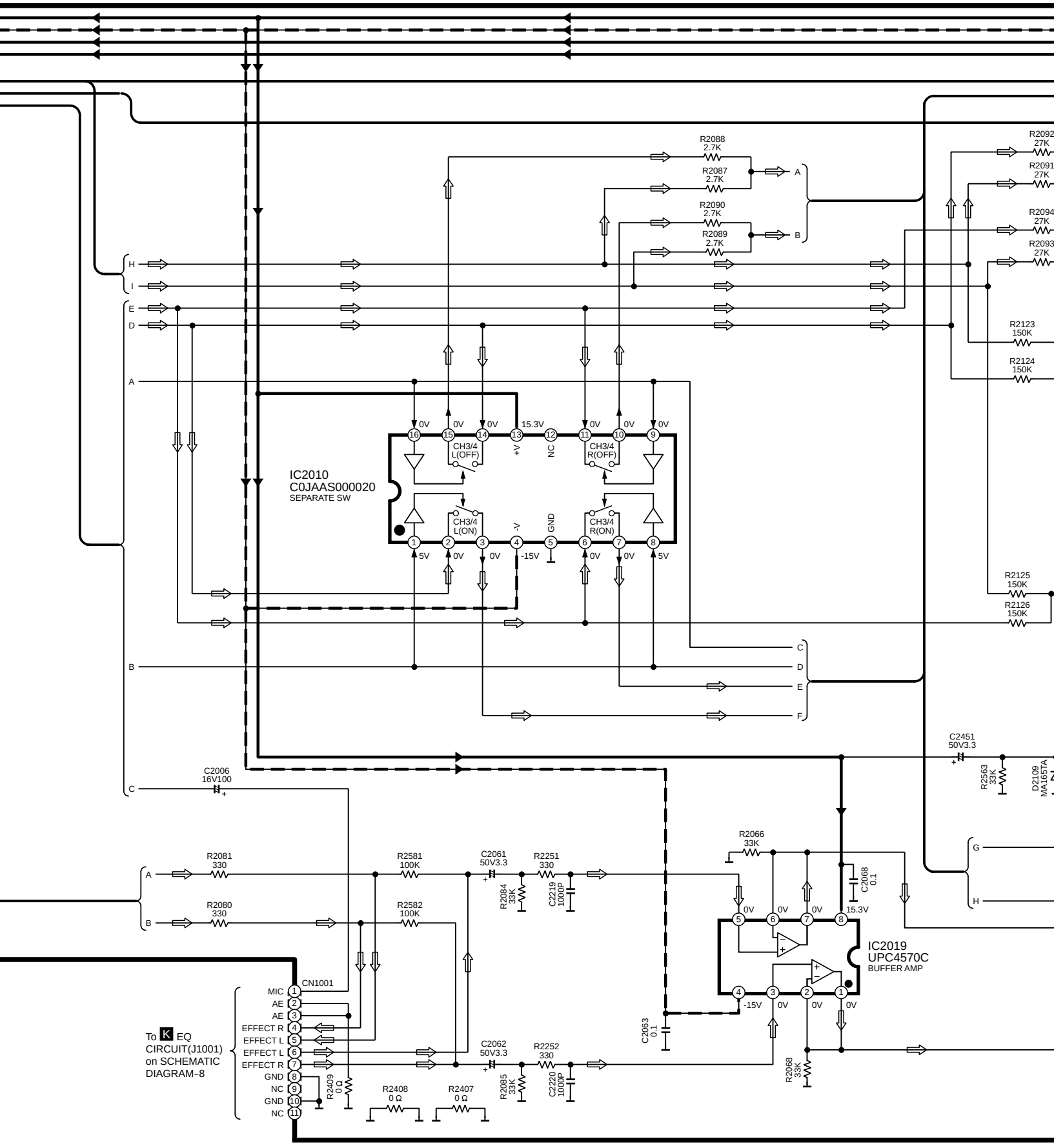
GE LINE :AUDIO SIGNAL(ANALOG) LINE



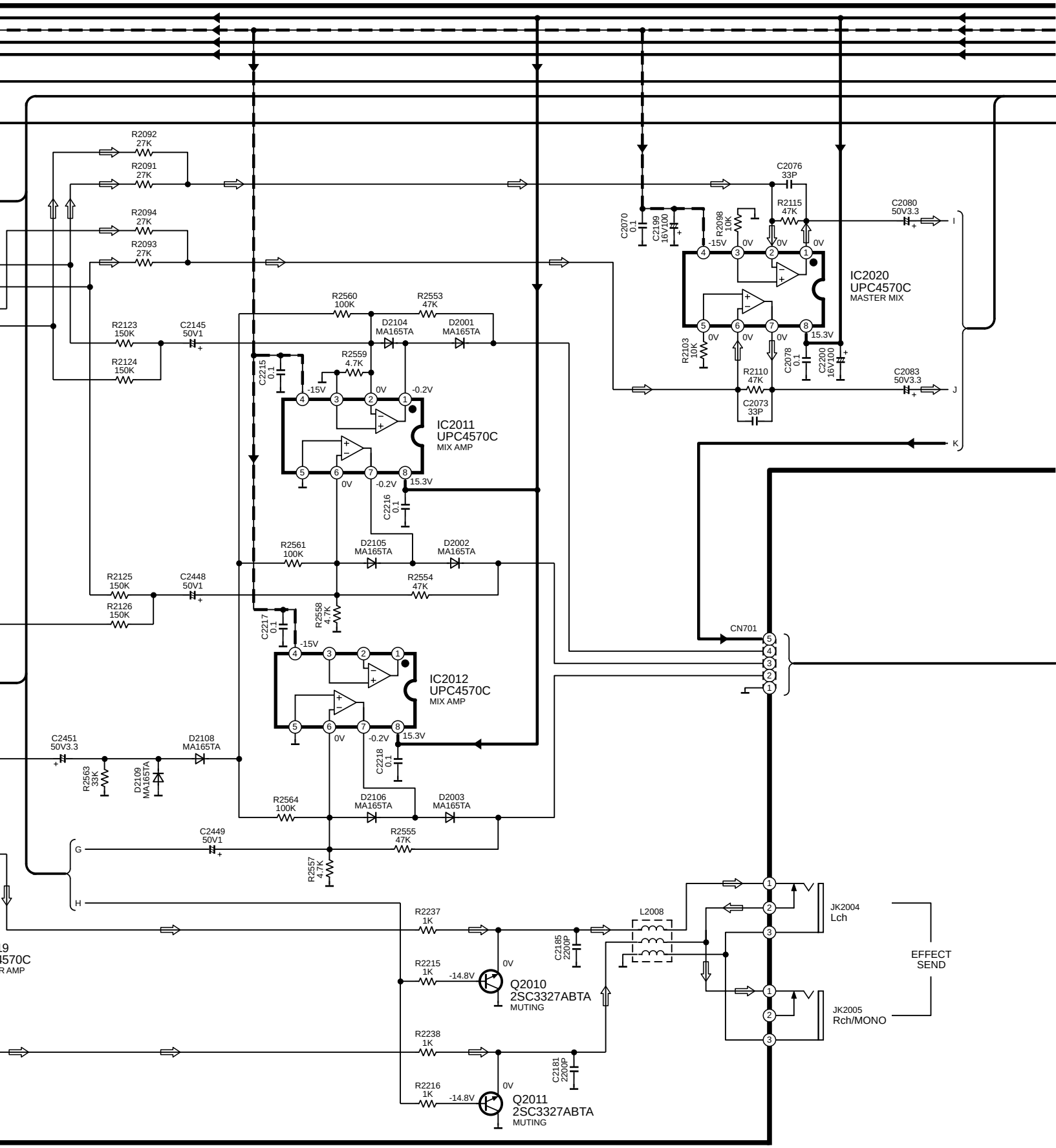

SH-MZ1200(PP,EG,EB,EP,GN) OUTPUT CIRCUIT DIAGRAM

## M OUTPUT CIRCUIT

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



GE LINE :AUDIO SIGNAL(ANALOG) LINE

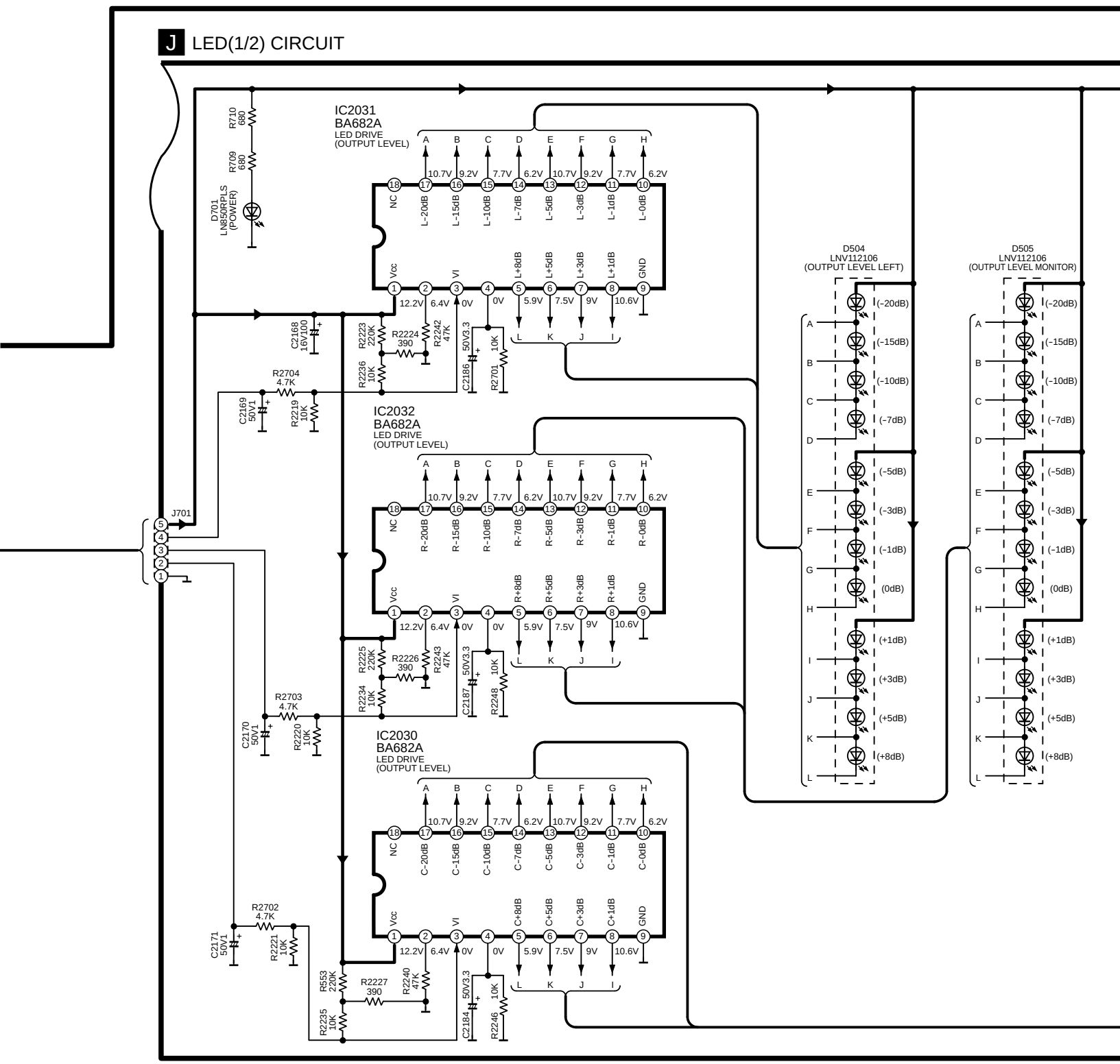



SH-MZ1200(PP,EG,EB,EP,GN) OUTPUT CIRCUIT DIAGRAM

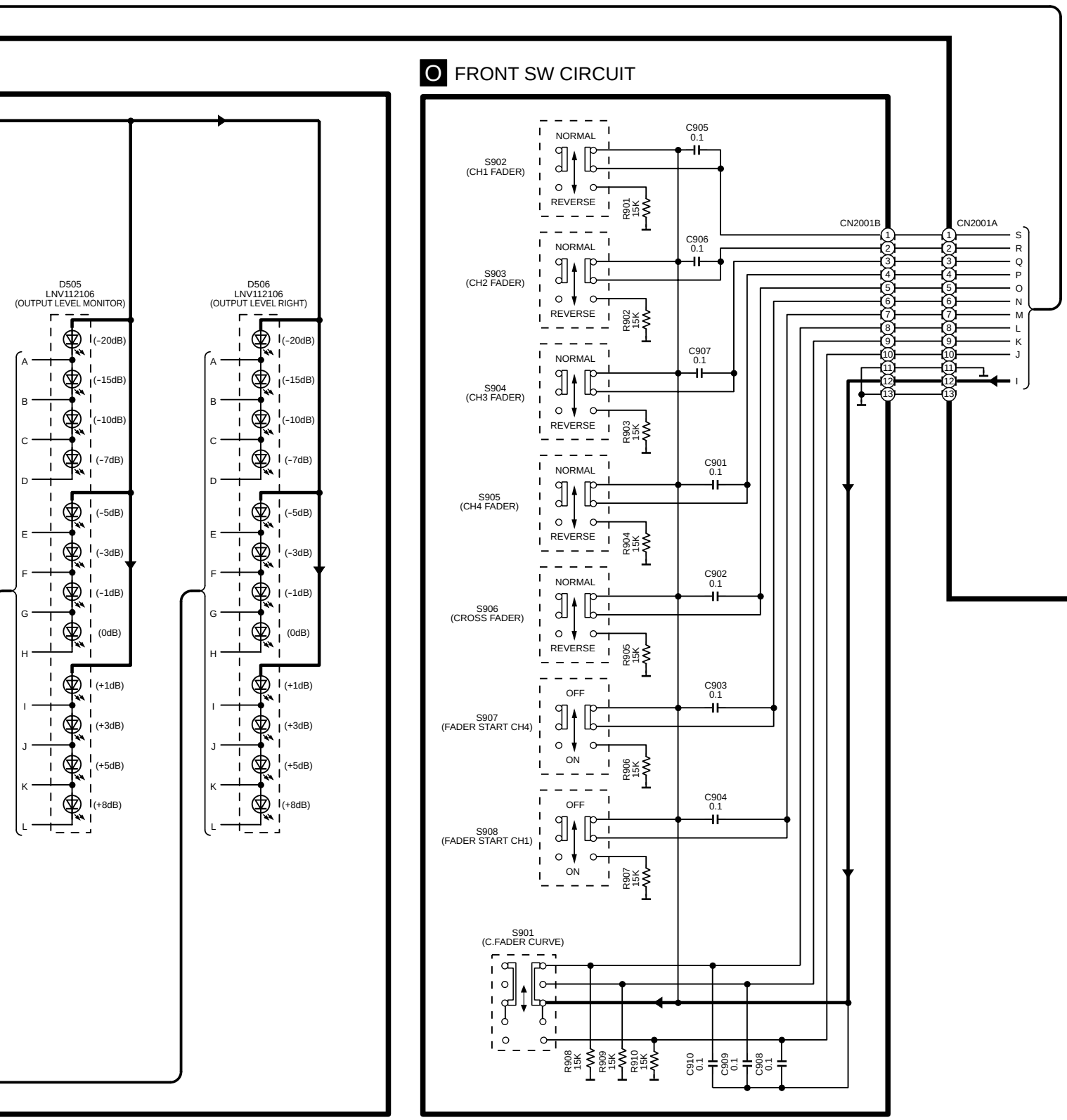
## M OUTPUT CIRCUIT

:POSITIVE VOLTAGE LINE :NEGATIVE VOLTAGE LINE

## J LED(1/2) CIRCUIT



GE LINE

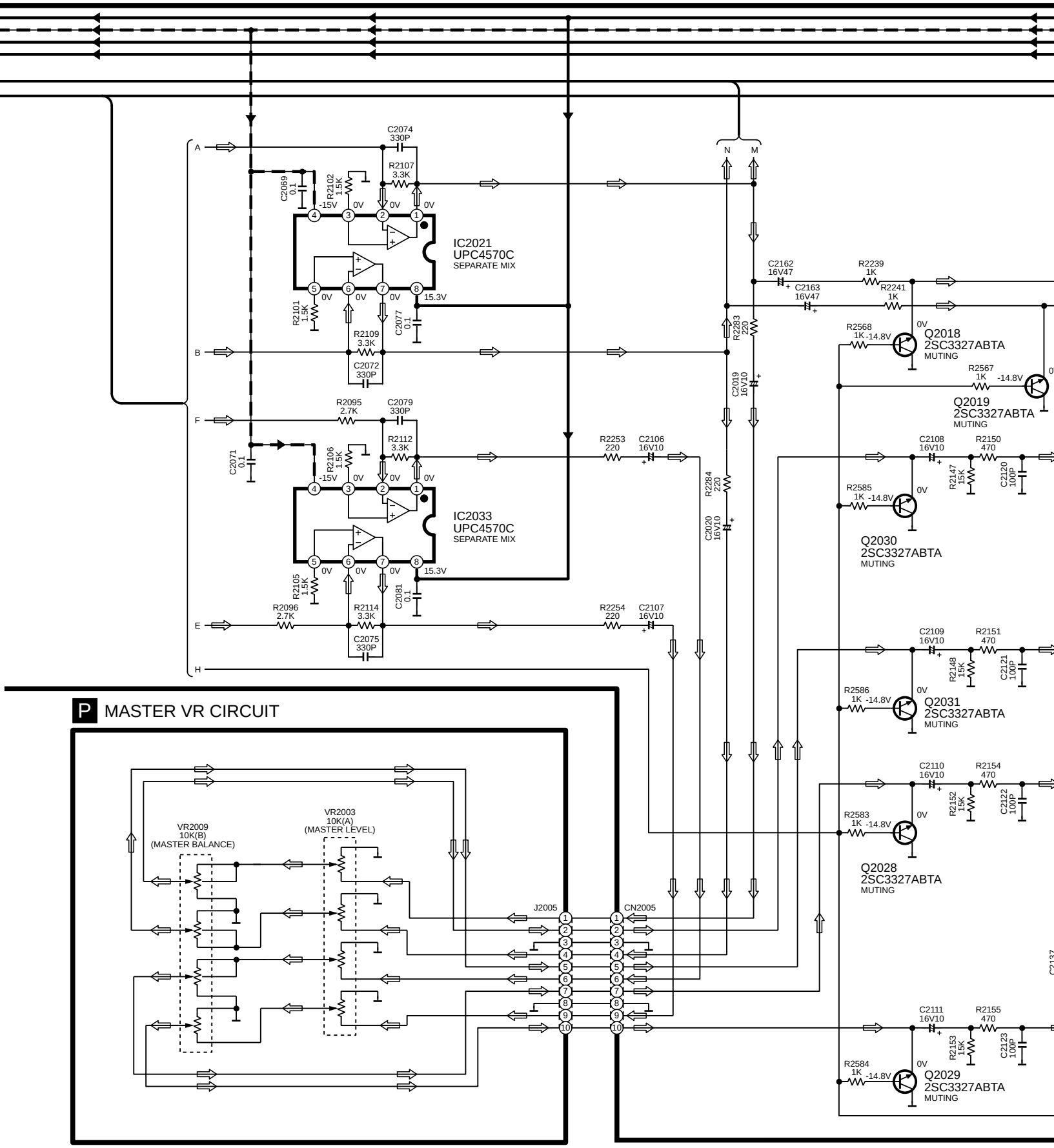



SH-MZ1200(PP,EG,EB,EP,GN) OUTPUT,LED,FRONT SW CIRCUIT DIAGRAM

SCHEMATIC DIAGRAM–16

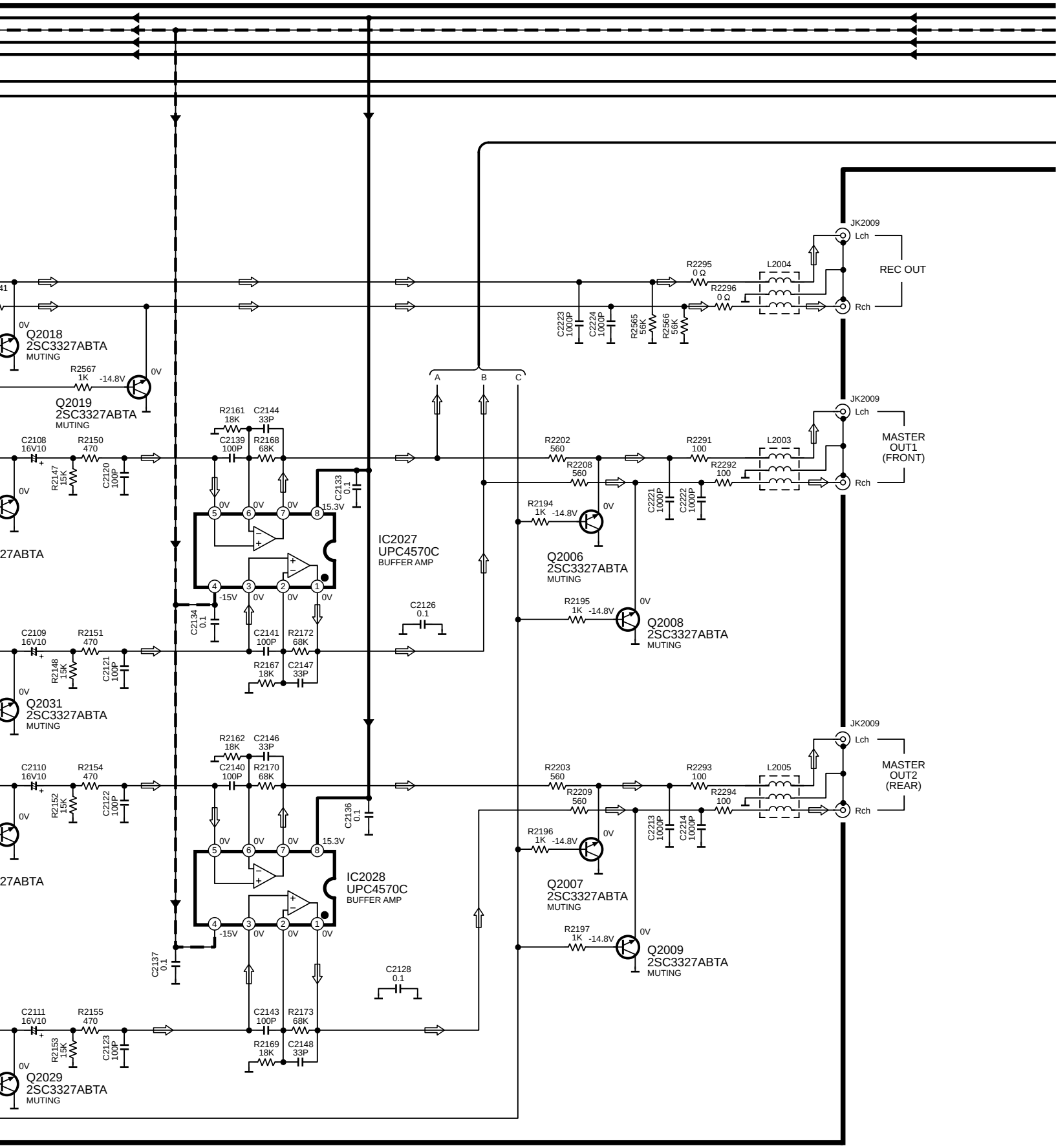
## M OUTPUT CIRCUIT

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




## P MASTER VR CIRCUIT

GE LINE :AUDIO SIGNAL(ANALOG) LINE

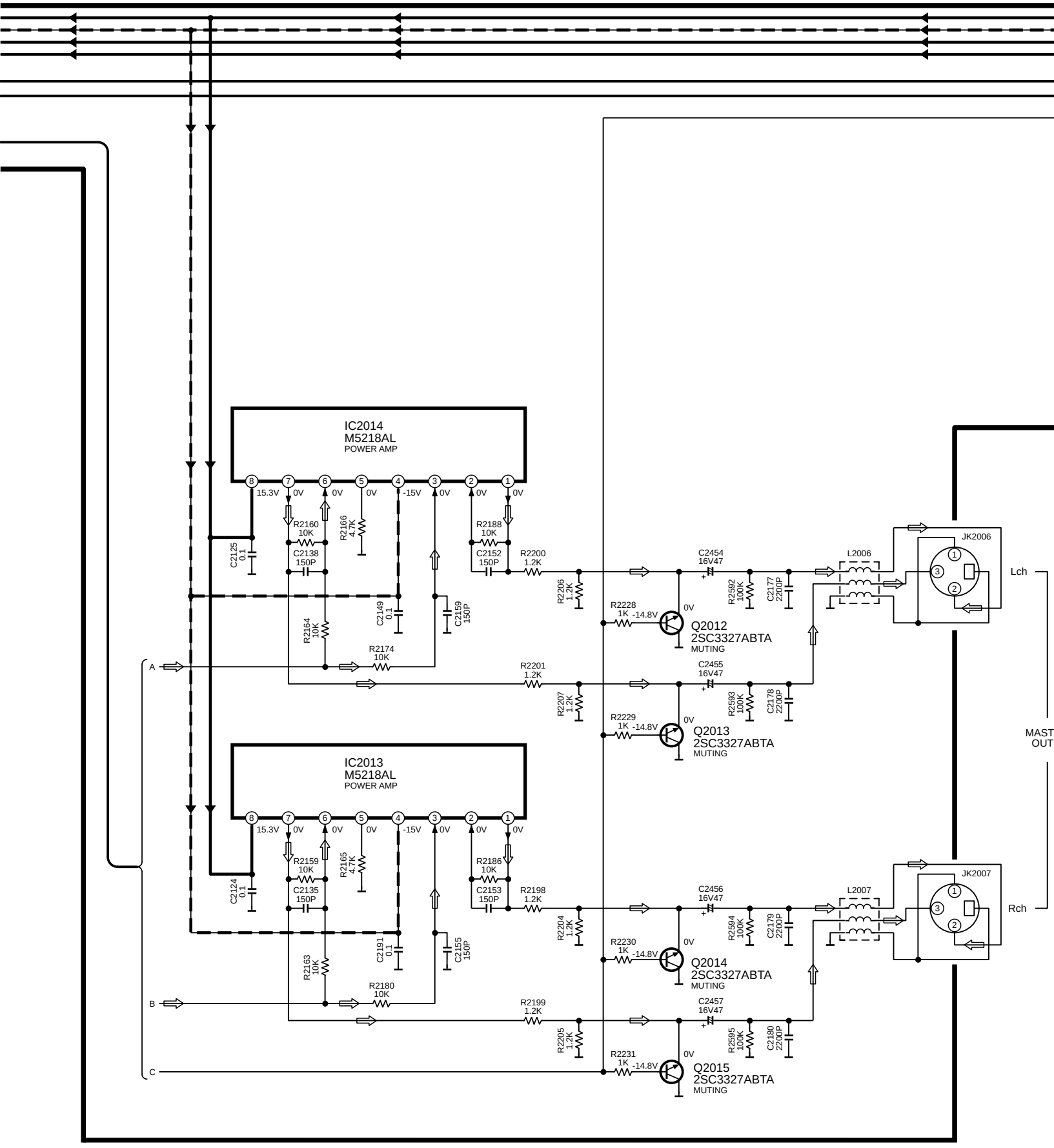



SH-MZ1200(PP,EG,EB,EP,GN) OUTPUT,MASTER VR CIRCUIT DIAGRAM

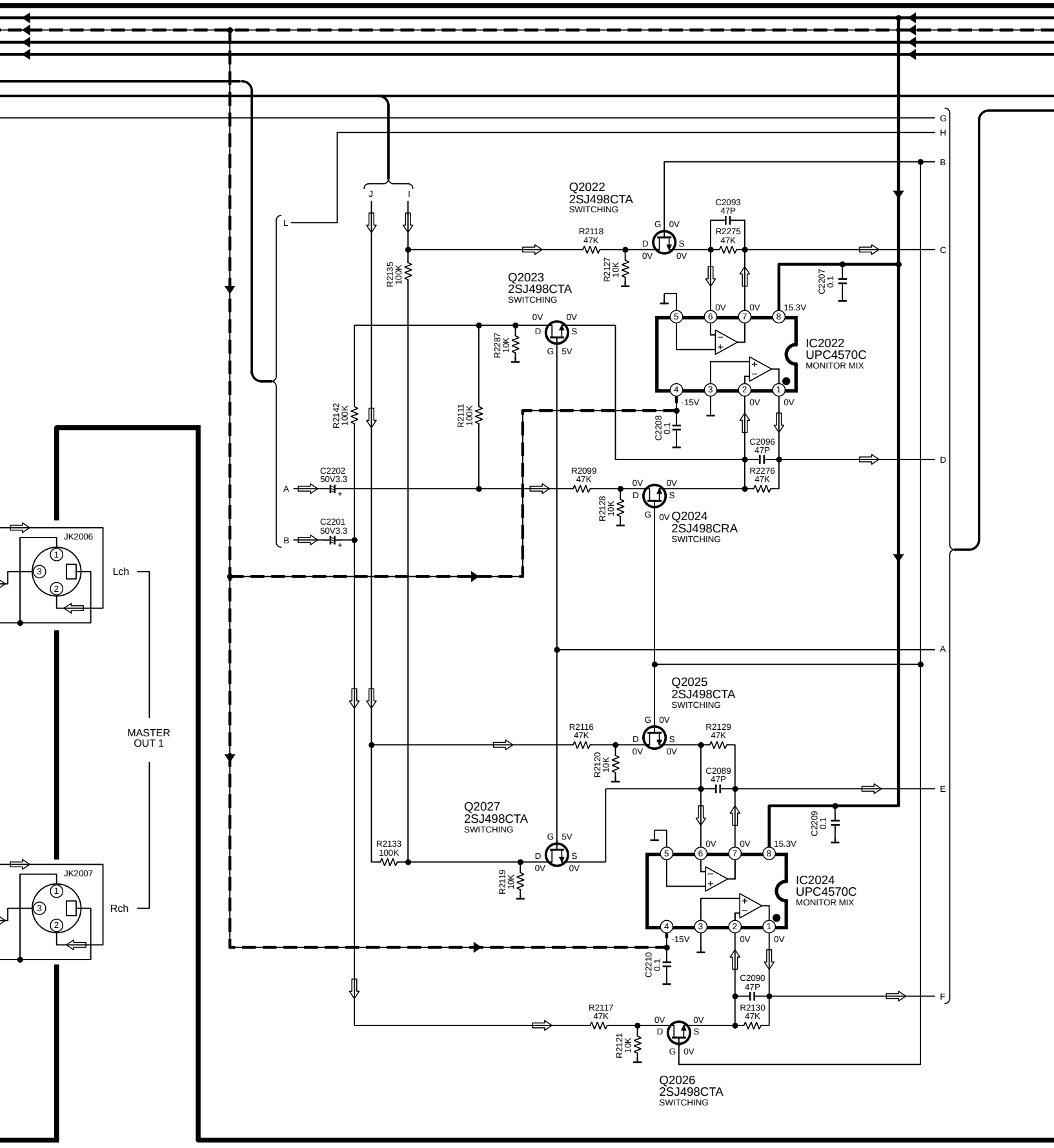
SCHEMATIC DIAGRAM–17

## M OUTPUT CIRCUIT

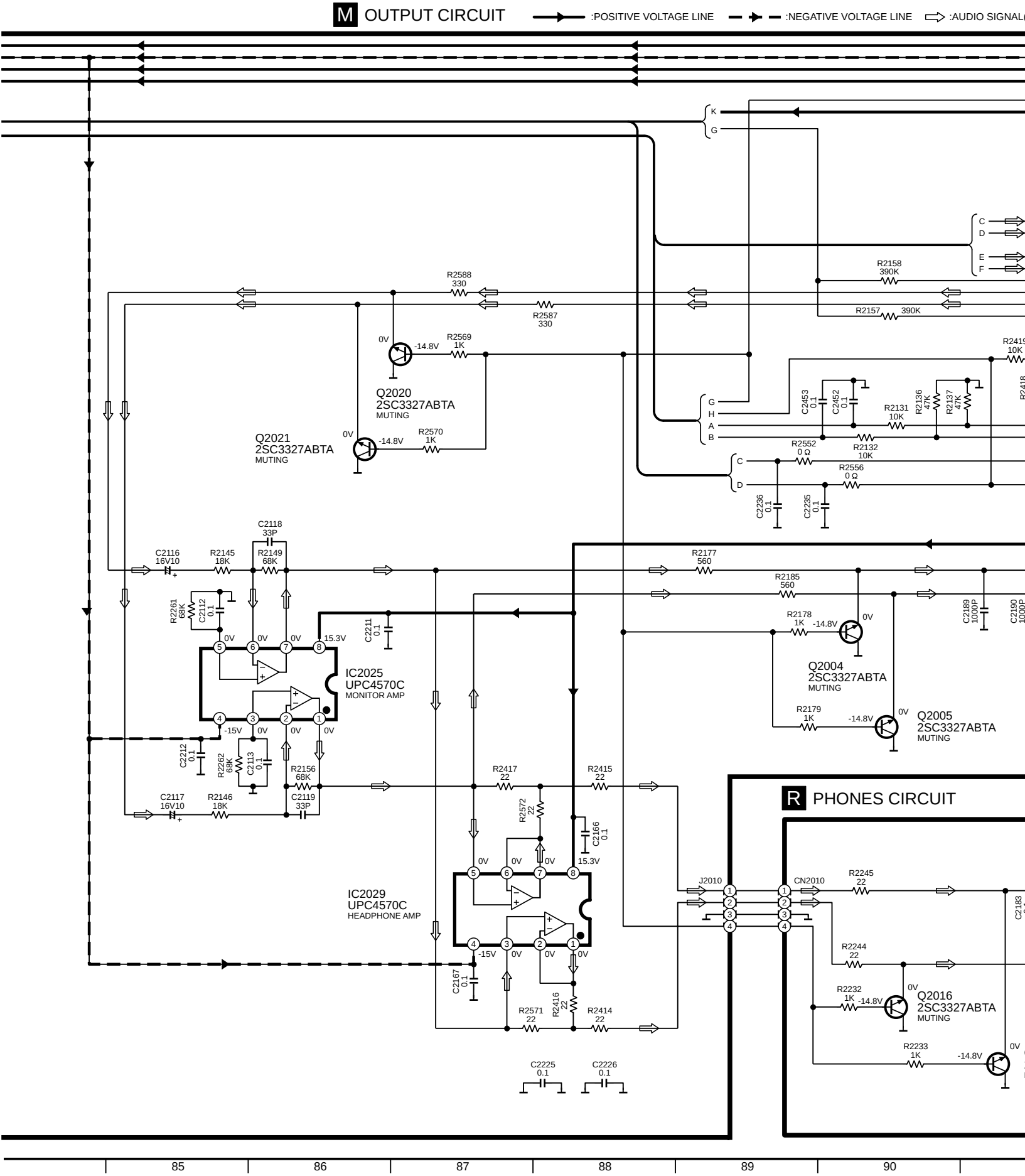
:POSITIVE VOLTAGE LINE :NEGATIVE VOLTAGE LINE :AUDIO SIGNAL



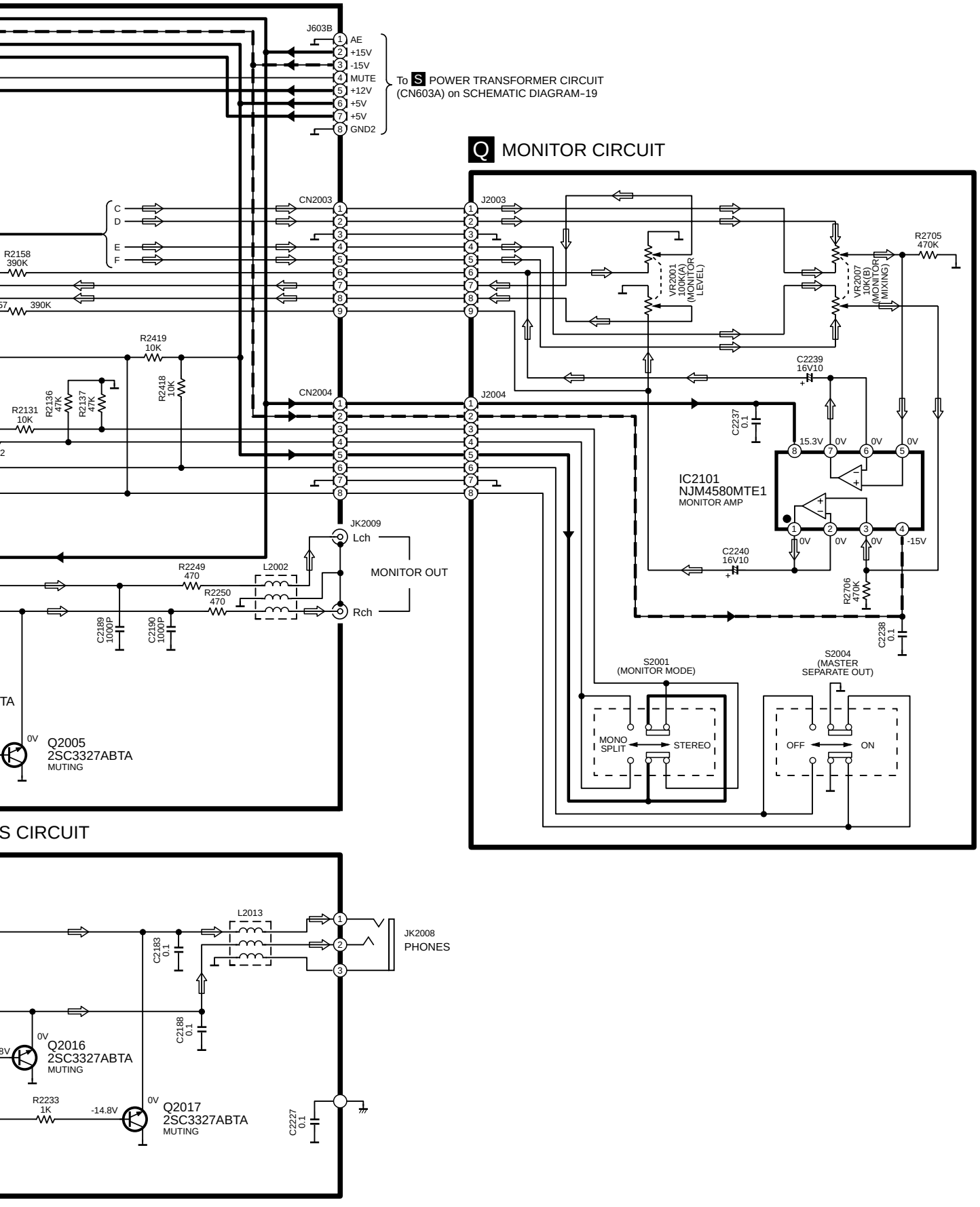
GE LINE :AUDIO SIGNAL(ANALOG) LINE



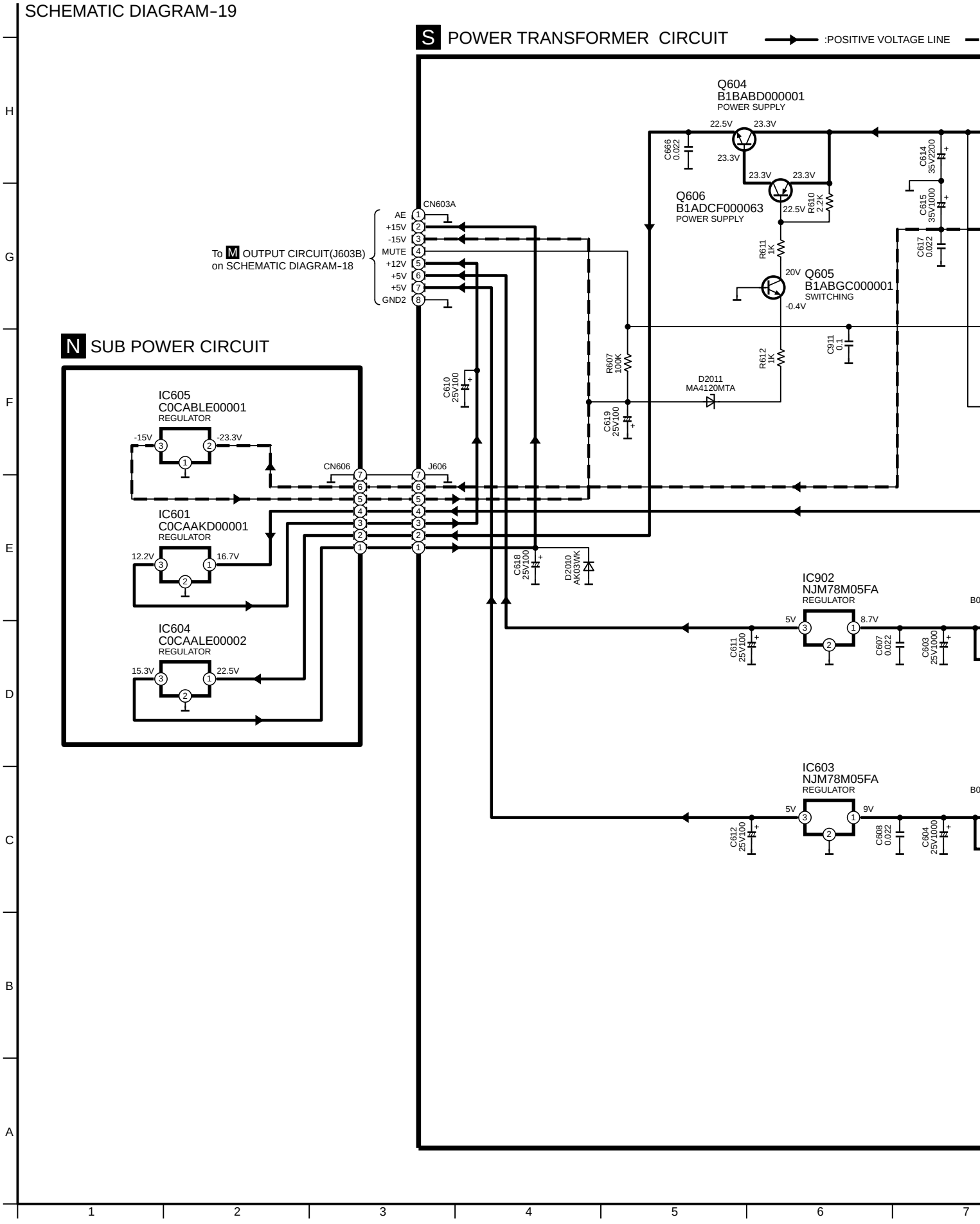
SCHEMATIC DIAGRAM–18

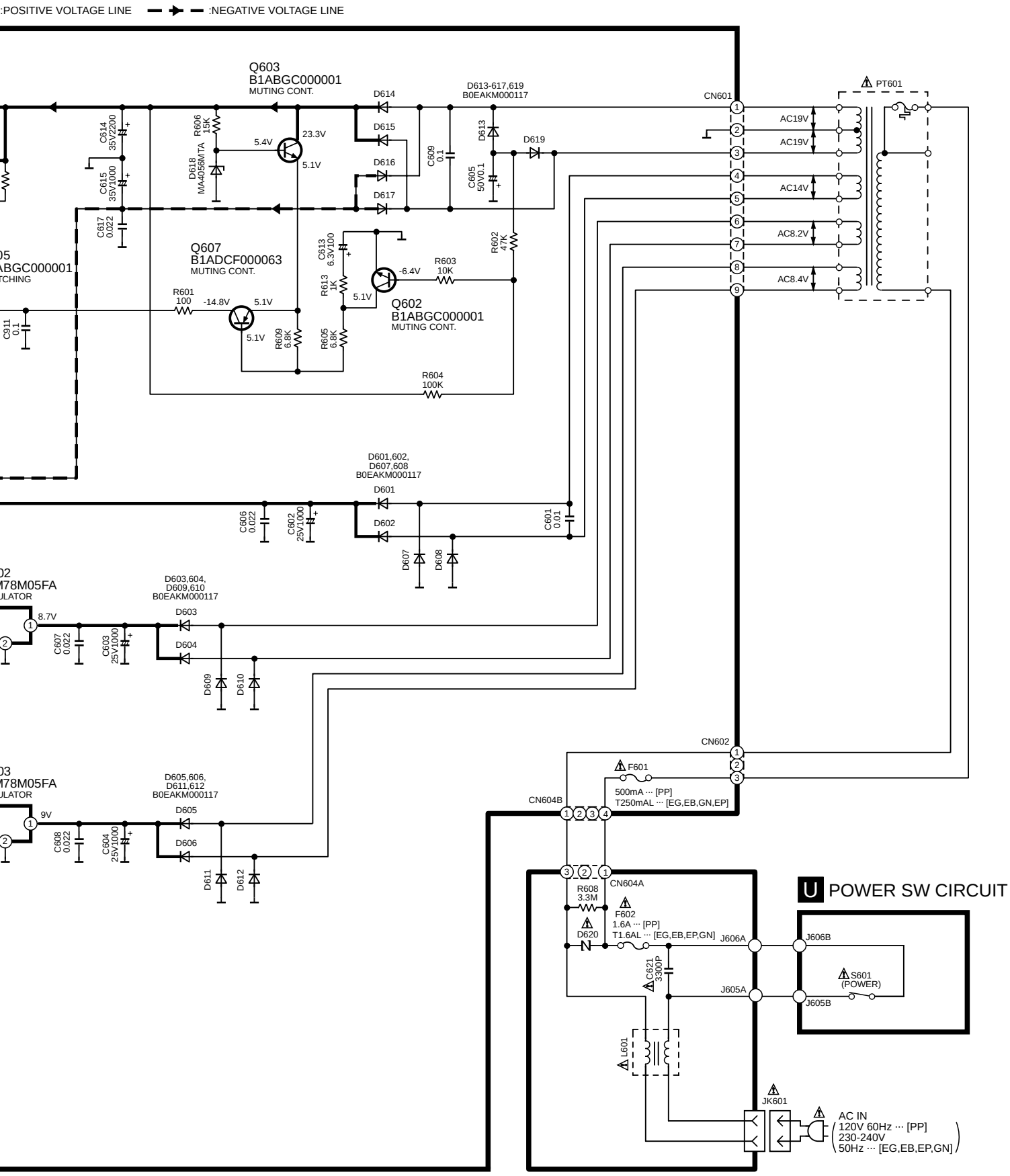


GE LINE ⇨ :AUDIO SIGNAL(ANALOG) LINE



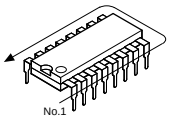

SH-MZ1200(PP,EG,EB,EP,GN) OUTPUT,MONITOR,PHONES CIRCUIT DIAGRAM

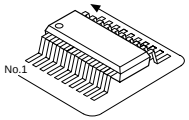

SCHEMATIC DIAGRAM–19
S POWER TRANSFORMER CIRCUIT
:POSITIVE VOLTAGE LINE
Q604
B1BABD000001
POWER SUPPLY
Q606
B1ADCF000063
POWER SUPPLY
Q605
B1ABGC000001
SWITCHING
CN603A
AE
+15V
-15V
MUTE
+12V
+5V
+5V
GND2
To M OUTPUT CIRCUIT(J603B)
on SCHEMATIC DIAGRAM–18
N SUB POWER CIRCUIT
IC605
C0CABLE00001
REGULATOR
IC601
C0CAAKD00001
REGULATOR
IC604
C0CAALE00002
REGULATOR
CN606
J606
D2011
MA4120MTA
D2010
AK03WK
IC902
NJM78M05FA
REGULATOR
IC603
NJM78M05FA
REGULATOR
R607 100K
R611 1K
R612 1K
R610 2.2K
C610 25V100
C611 25V100
C612 25V100
C618 25V100
C619 25V100
C911 0.1
C666 0.022
C614 35V2200
C615 35V1000
C617 0.022
C607 0.022
C603 25V1000
C608 0.022
C604 25V1000




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

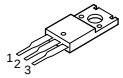
| | |
|---|---|
| UPC4570C | 8PIN |
| C0JAAS000020 | 16PIN |
| AN6914 | 8PIN |



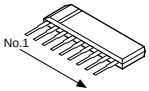




| | |
|---|---|
| C0FBAK000008 | 20PIN |
| PCM1734EB-E2 | 28PIN |
| NJM4580MTE1 | 8PIN |
| C0JBAS000035 | 16PIN |
| M5218AFPE3 | 8PIN |

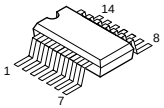
NJM78M05FA



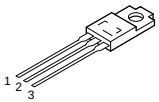

| | |
|---|---|
| M5218AL | 8PIN |
| M5207L05 | 10PIN |



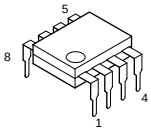

C0JBAC000280
C0JBBF000053



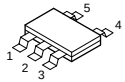

C0CAAKD00001
C0CAALE00002
C0CABLE00001



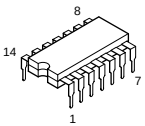

NJM4580DD



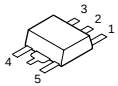

C0EBG0000121
C0JBAA000115



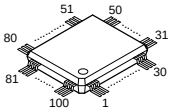

C0JAAB000080



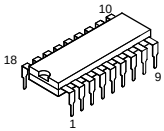

C0CBCBE00003



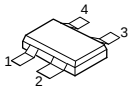

C2CBJH000088



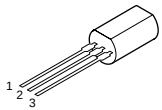

BA682A




C0CEBE0000274




C0DAZDC00001

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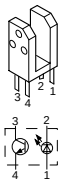
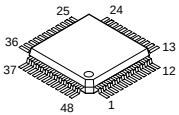



C1BB00000692




DTC114YUA106
B1ABGC000001
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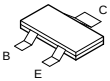
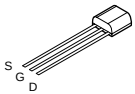
UN5211TX




2SJ498CTA

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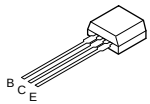
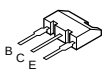



B1BABD000001

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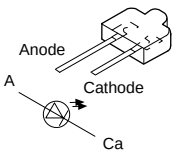
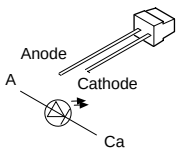



LN850RPLS

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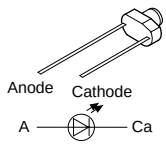


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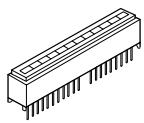

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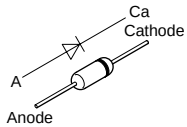
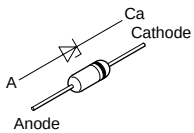



MA4120MTA

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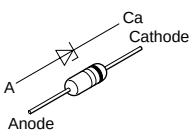
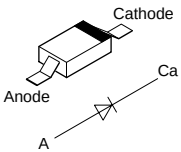



MA111TX

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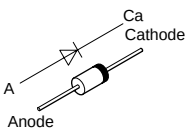


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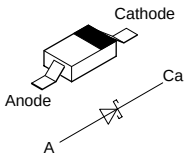

NOTE:
B ... Black O ... Orange
Bl ... Blue R ... Red
Br ... Brown W ... White
G ... Gray Y ... Yellow

U POWER SW P.C.B.
POWER
J605B J606B
R
Br
J605A
J606A
1 - 3
CN604A
AC IN
T AC IN P.C.B.
3 - 1
Bl
Br
1 - 4
4 - 1
CN604B
1 - 3
Bl
Br
PT601
(POWER
TRANSFORMER)
O
B
O
Y
Y
Br
Br
Bl
Bl
1
9
S POWER TRANSFORMER
P.C.B.
CN601
9 · · · · · 1
3 - 1
CN602
J606
1 · · · · · 7
BrW
1 · · · · · 7
CN603A
1 · · · · · 8
N SUB POWER P.C.B.
CN606
1 · · · · · 7
L SUB P.C.B.
CN3500
1 · · · · · 21
P MASTER VR P.C.B.
MASTER
BALANCE
MASTER
LEVEL
J2005
10 · · · · · 1
EFFECT
SEND
(Lch)
(Rch/
MONO)
PLAYER
CONTROL
(CH1)(CH4)
DIGITAL
OUT
DIGITAL
IN
(CH1)
(CH4)
REC
OUT
MONITOR
OUT
MASTER
OUT1
(FRONT)
MASTER
OUT2
(REAR)
MASTER
OUT1
(Lch)
(Rch)
CN2002B
2 1 · · · · · 20 21
CN3004B
27 26 · · · · · 1 2
CN1001
11 · · · · · 1
M OUTPUT P.C.B.
CN701
1 · · · 5
Q MONITOR
P.C.B.
J2004
1 · · · · · 8
J2003
1 · · · · · 9
R PHONES
P.C.B.
PHONES
CN2010
1 · · · 4
G CROSS FADER P.C.B.
1 - 3
CN3006E
H CHANNEL FADER(A) P.C.B.
1 - 3
CN3006A
E CHANNEL FADER(B) P.C.B.
1 - 3
CN3006B
F CHANNEL FADER(C) P.C.B.
1 - 3
CN3006C
D CHANNEL FADER(D) P.C.B.
1 - 3
CN3006D
C SENSOR(A) P.C.B.
B SENSOR(B) P.C.B.
J3008A
4 · · 1
W G
W Br
8 · · · · · 1
J3008B
1 · · 4
J LED
P.C.B.
J701
1 · · · 5
J2006
5 · · · 1
3 - 1
WBl
WO
WR
WBr
WB
15 · · · · · · · · · · · · · · · 1
CN3006
8 · · · · · 1
CN3008
CN2001A
12 · · · · · 2
13 · · · · · 1
CN1004B
10 · · · 2
11 · · · 1
CN1003B
12 · · · · 2
13 · · · · · 1
8 · · · · · 1
W Br
J603B
J2010
4 · · 1
CN1002
9 · · · · · · 1
CN2003
9 · · · · · · 1
CN2005
1
10
CN2004
8 · · · · · 1
CN2001B
13 12 · · · · · 1 2
O FRONT SW
P.C.B.
CN2006
1 · · · 5
CN3001A
9 8 · · · · · 1 2
A INPUT P.C.B.
CN3002A
15 14 · · · · · 1 2
CN3004A
2 1 · · · · · 26 27
CN3003A
2 1 · · · · · 22 23
CN702
1 · · · 4
J702
1
4
I ASSIGN
P.C.B.
CN3003B
23 22 · · · · · 1 2
K EQ P.C.B.
CN3002B
2 1 · · · · · 14 15
CN3001B
2 1 · · · · · 8 9
J1001
11 · · · · · 1
CN1004A
10 · · · 2
11 · · · 1
CN1003A
12 · · · · 2
13 · · · · · 1
J1002
9 · · · · · · 1
(PHONO3) (CD/LINE) CH4
(PHONO2) (LINE) CH3
(PHONO1) (LINE) CH2
(LINE) (CD/LINE) CH1
(MIC2) (MIC1) MIC
(Rch/MONO) (Lch) RETURN EFFECT