KENWOOD

SCHEMATIC DIAGRAMS

POWER AMPLIFIER

KAC-5207   KAC-PS702EX

■ PRECAUTIONS ON SCHEMATIC DIAGRAMS

- Due to the improvement in performance, some part numbers shown in the circuit diagrams may not agree with those indicated in the Parts List.
- The parts numbers, values and rated voltage etc. in the Schematic Diagrams are for reference only.
- Since the circuit diagrams are standard ones, the circuits and circuit constants may be subject to change for improvement without any notice.
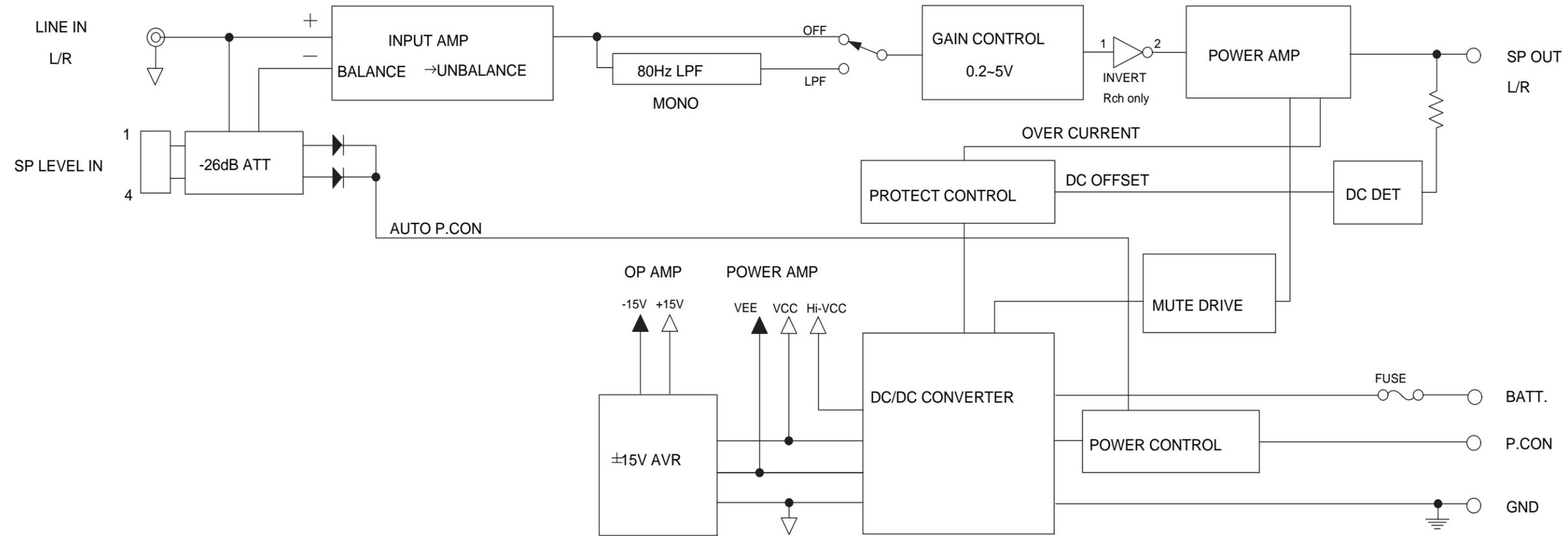
■ PRECAUTIONS ON PARTS LIST

- The parts identified by the ⚠ symbol are critical for safety. Whenever replacing these parts, be sure to use specified ones to secure the safety.
- The parts not indicated in this Parts List and those which are filled with lines --- in the Parts No. columns will not be supplied.
- P.W. BOARD Ass'y will not be supplied, but those which are filled with the Parts No. in the Parts No. columns will be supplied.
- There are cases where the actual implemented parts in the sets and the service parts are different. When ordering parts, make sure to refer to the Parts List.

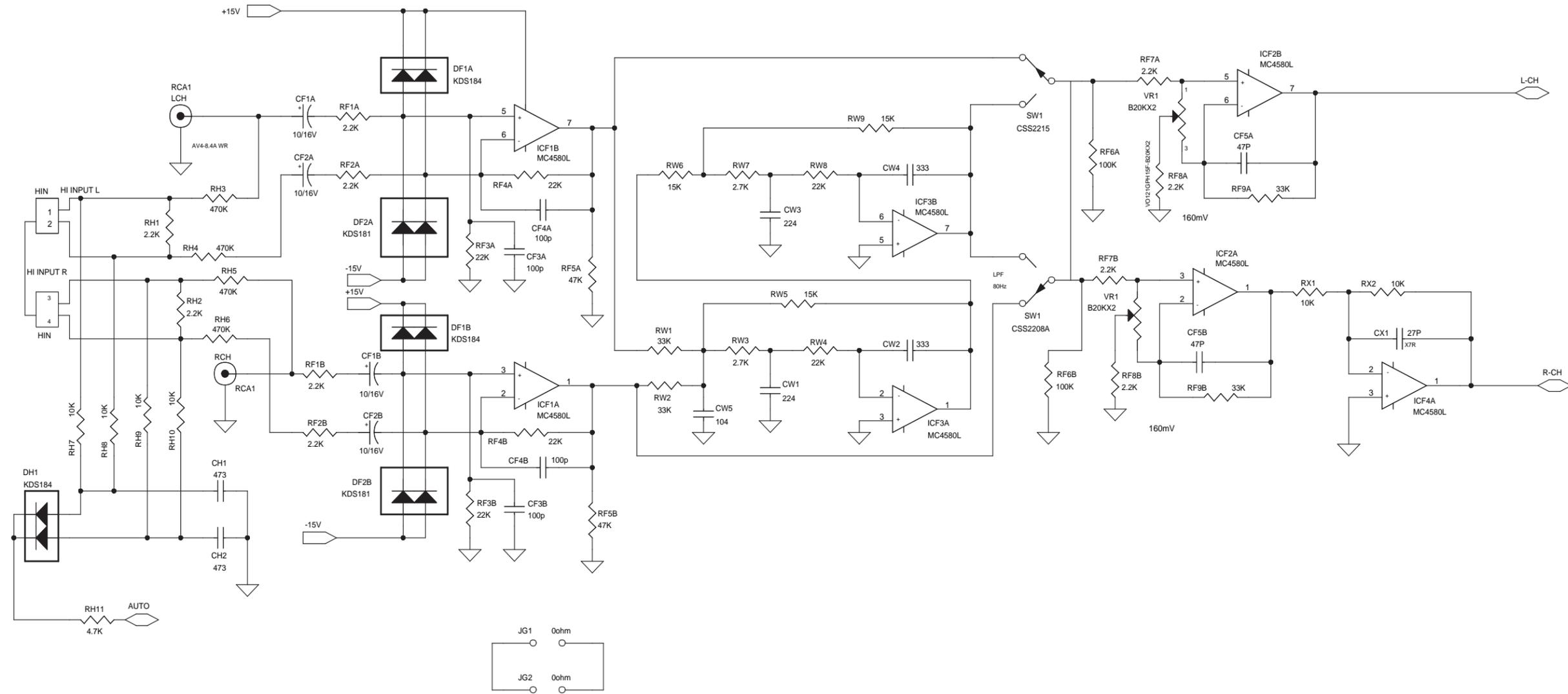# ■ DEVIATION TOLERANCE RANGE

DEVIATION TOLERANCE RANGE									
F	G	J	K	M	N	R	H	Z	P
± 1%	± 2%	± 5%	±10%	±20%	±30%	+30% -10%	+50% -10%	+80% -20%	+100% -0%

BLOCK DIAGRAM

LINE IN
L/R

SP LEVEL IN

1

4

-26dB ATT

+

−

INPUT AMP

BALANCE →UNBALANCE

80Hz LPF

MONO

OFF

LPF

GAIN CONTROL
0.2~5V

1   2

INVERT
Rch only

POWER AMP

SP OUT
L/R

OVER CURRENT

PROTECT CONTROL

DC OFFSET

DC DET

AUTO P.CON

OP AMP   POWER AMP

-15V +15V   VEE VCC Hi-VCC

±15V AVR

DC/DC CONVERTER

MUTE DRIVE

FUSE

POWER CONTROL

BATT.

P.CON

GND

MAIN PWB ASSY(1/3)

Note : The Parts Number, value and rated voltage etc. in the Schematic Diagram are for references only.
When replacing the parts, refer to the Parts List.

MAIN PWB ASSY(2/3)

Note : The Parts Number, value and rated voltage etc. in the Schematic Diagram are for references only.
When replacing the parts, refer to the Parts List.

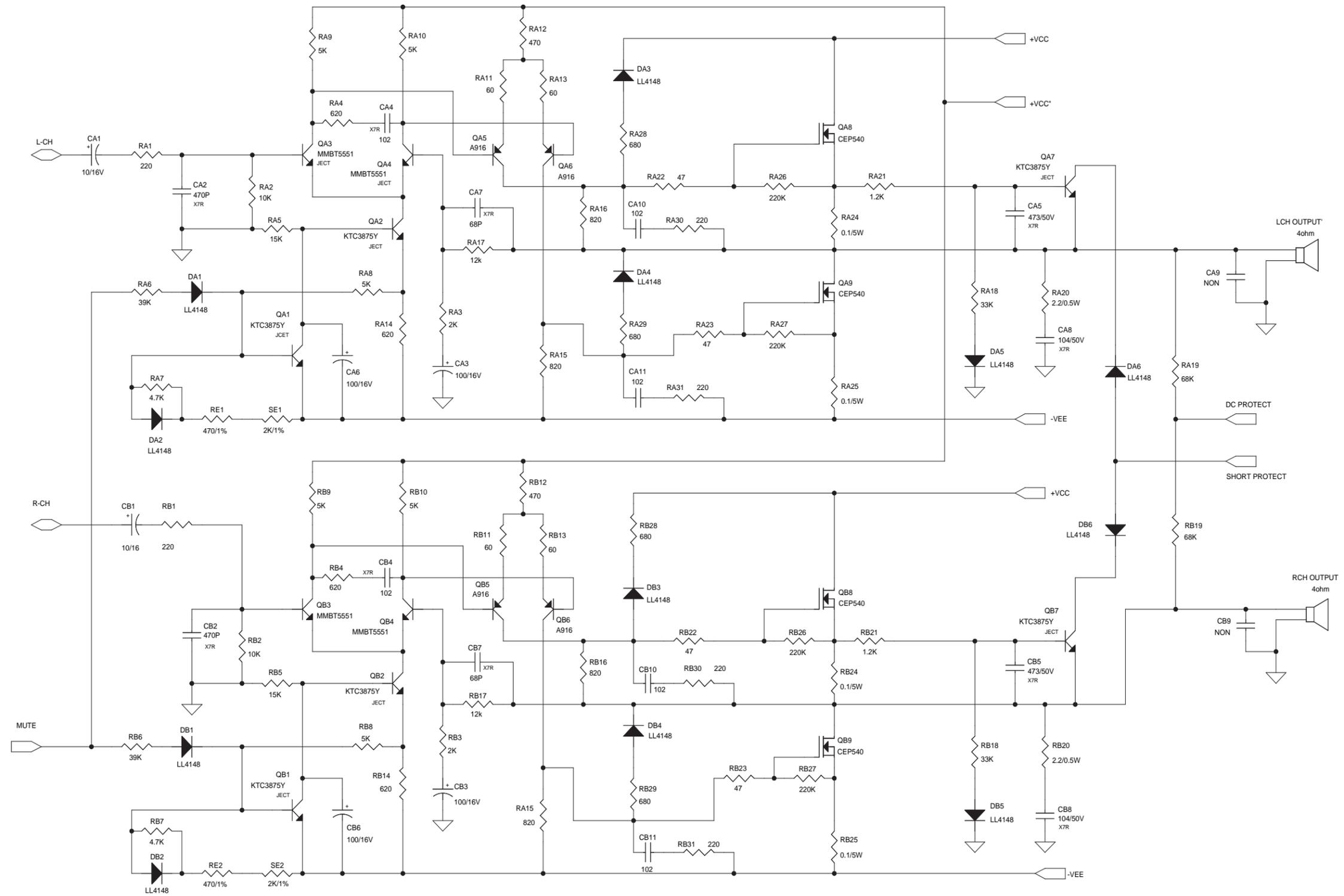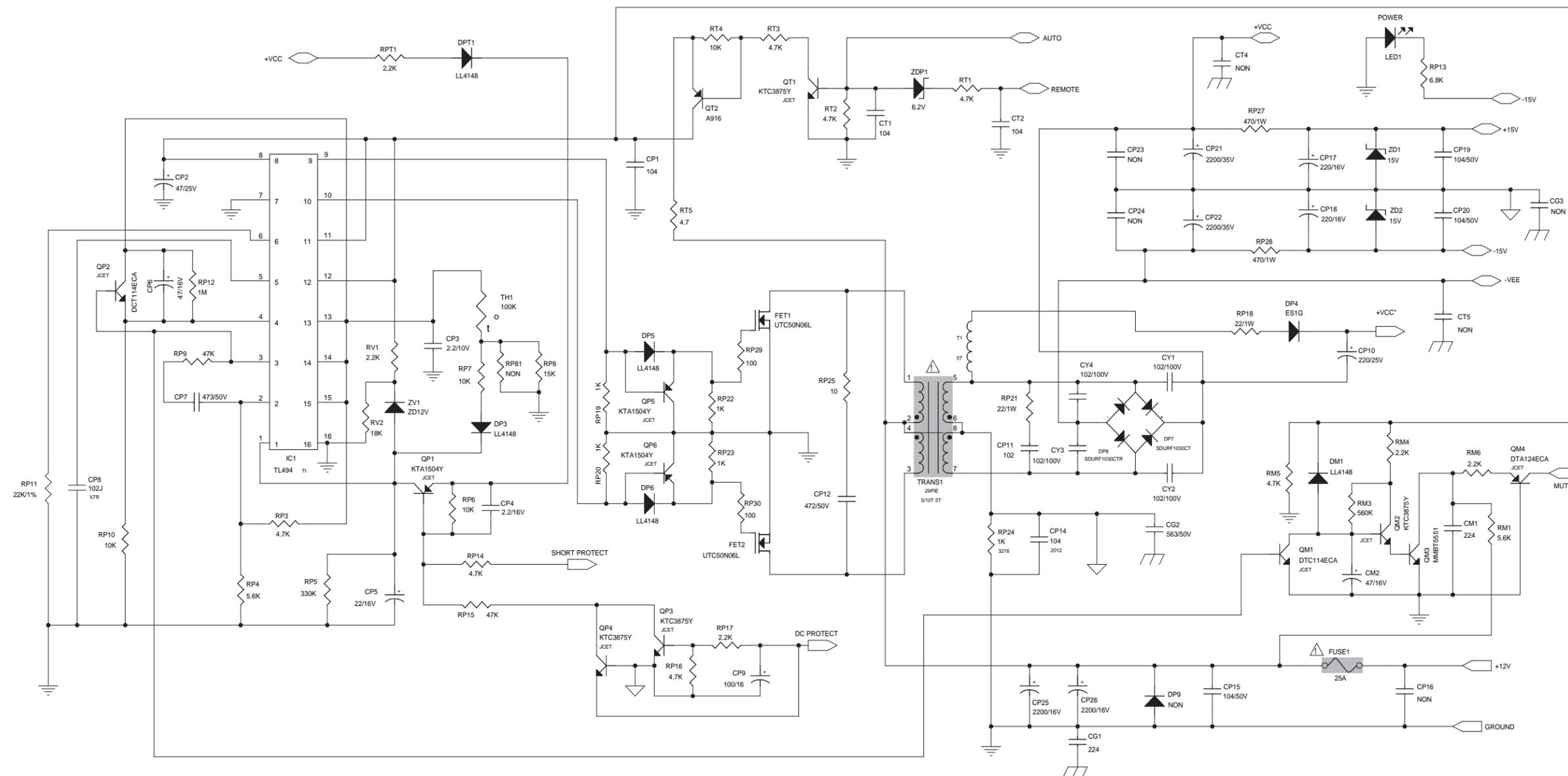R(A,B)3 2.2K--- 2K CHANGE INPUT GAIN 0927

MAIN PWB ASSY(3/3)

Note : The Parts Number, value and rated voltage etc. in the Schematic Diagram are for references only.
       When replacing the parts, refer to the Parts List.

Parts are safety assurance parts.
When replacing those parts make
sure to use the specified one.

MAIN PWB ASSY (forward side)

+12V   REM   GND   L+   L-   R-   R-

OFF   LPF

AV2-8.4-13A

2G   1G
2I   1I

RCA1

L+   L-   R-   R+

HN

SW1

R

VR1

C   3   2   1   A   B

3x6t

FUSE1

TER1

RP2A1

DP9

JP1

JP2

CP25   CP26

J42   J41

CM2

G.F1
6m

CP9

G.F
6m

CF2B   CF1B   CF1A   CF2A

FET2

12.5m   J44
0.8t   J45

RP30

7.5m
18m   0.8t
J43   J38

7.5m

J14   J13   0.8t   18m

J2   12.5m   15m   J1

CP6   6m

CP2

J40

J39   7.5m

CP5

J16   12.5m   0.8t   J15

CA1

RP27

FET1

12.5m   J46
0.8t   J47

RP29   TRANS1

T1

QT2

3x6R

CB1

J37   10.5m

J12   10.5m
J11
J10
J9
J8

J18   0.8t   18m

J17

CP18   CP17

RH11
6m   J4

J5   0.8t
7.5m

J36   7.5m

CB3

J35   18m

J50   10.5m
0.8t   J49

CB5   QB6

J7   10.5m

QA6

QA5

18m   0.8t

RA25   9m   0.8t   J22

QA9

L-CH

DP8

CP22

10.5m   J48
0.8t

CP10

18m
0.8t   J33

12.5m
J30

RP28

J29   18m   0.8t

J26   15m   15m   0.8t   J25

CA6   18m   0.8t

J21   10.5m   0.8t   J20

QA8

DP7

CP21

RB24

J32   10.5m   RB25

0.8t   J31   18m   0.8t   J28

J34   9m   0.8t

J27   7.5m   0.8t

CB6

CA3

RA24

J23   REV NO-1   201610264-1

3x6t

QB8   R-CH   QB9

Pure Performance

3x6t   3x6t

MAIN PWB ASSY (reverse side)