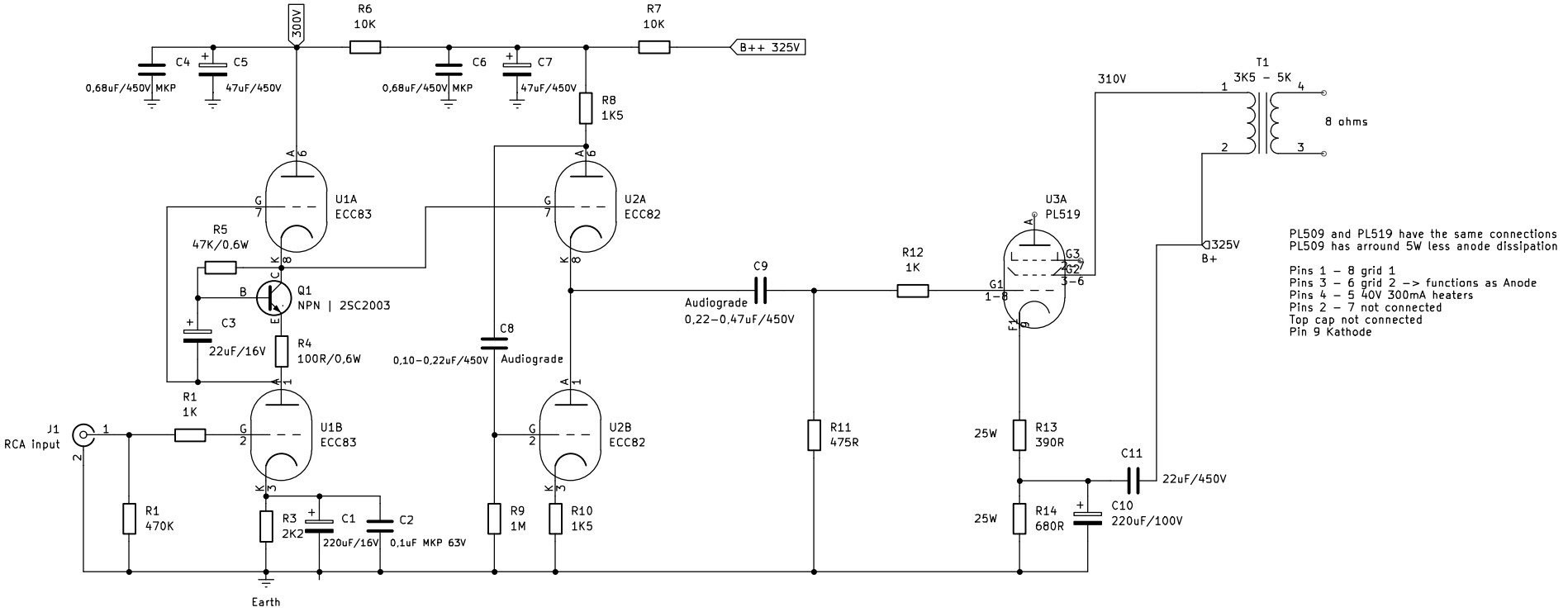
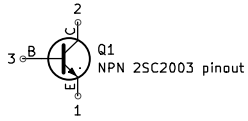
U1 can be: 5751 / ECC83 / 6SL7
U2 can be: ECC82/ 12BH7 / 5965 / 6SN7



PL509 and PL519 have the same connections
PL509 has arround 5W less anode dissipation

Pins 1 – 8 grid 1
Pins 3 – 6 grid 2 –> functions as Anode
Pins 4 – 5 40V 300mA heaters
Pins 2 – 7 not connected
Top cap not connected
Pin 9 Kathode

Resistors metal oxide 1W unless mentioned lower.



Transistor NPN can be 2SC2003, BC 547, BC 550 etc.
Be aware of the pin out can be different!

First stage Beta–follower
Second stage The White Cathode Follower
Endstage PL519 with Grid 2 connected as anode
Anode cap not connected.

Kees Brakenhoff

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Title: PL519SE

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