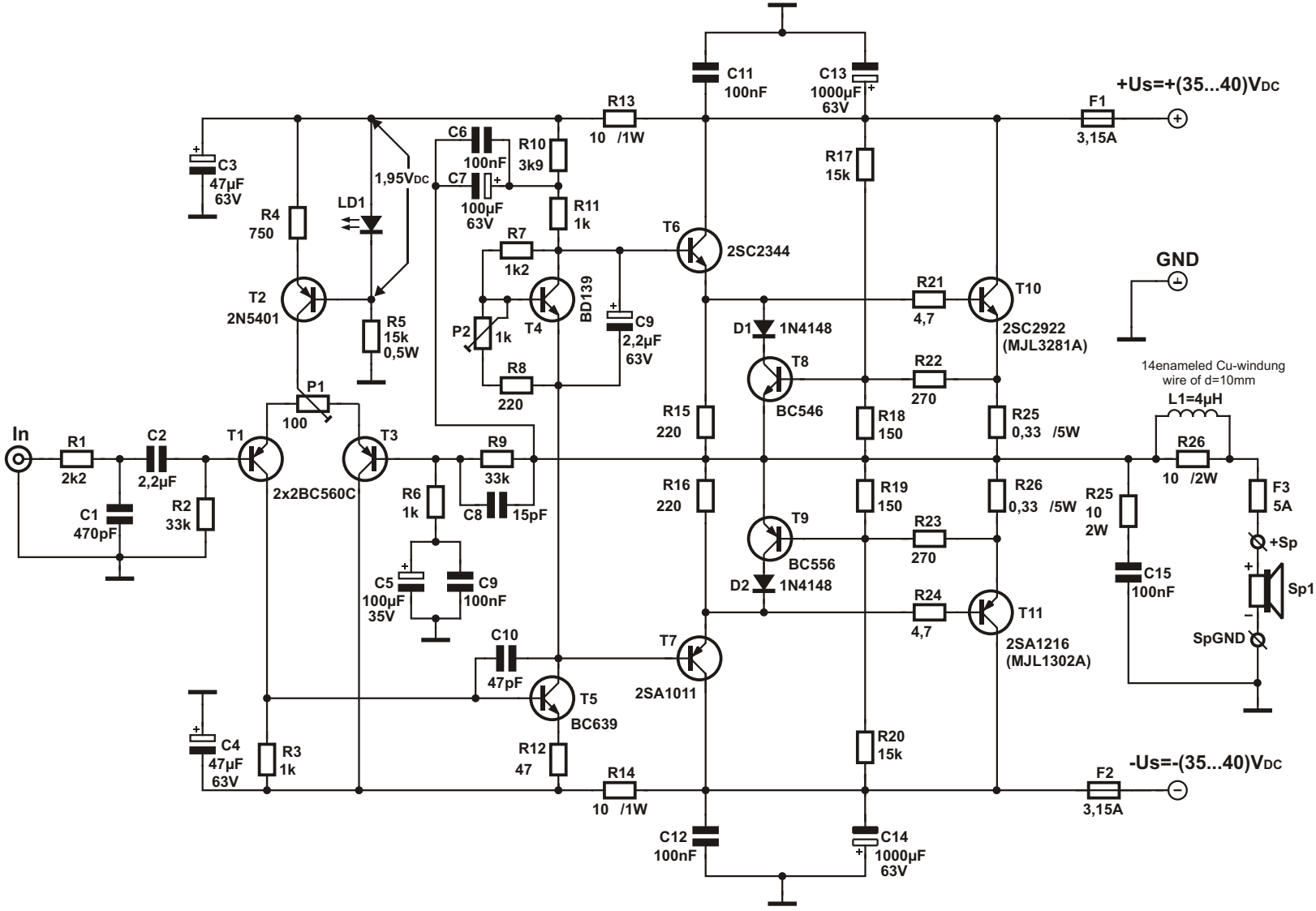
In
R1
2k2
C2
2,2µF
C1
470pF
R2
33k
T1
2x2BC560C
P1
100
T3
C3
47µF
63V
R4
750
LD1
1,95VDC
R5
15k
0,5W
T2
2N5401
C6
100nF
C7
100µF
63V
R10
3k9
R11
1k
R7
1k2
T4
BD139
P2
1k
R8
220
C9
2,2µF
63V
R6
1k
R9
33k
C8
15pF
C5
100µF
35V
C9
100nF
C10
47pF
T5
BC639
R12
47
C4
47µF
63V
R3
1k
R13
10 /1W
C11
100nF
C13
1000µF
63V
+Us=+(35...40)VDC
F1
3,15A
R17
15k
T6
2SC2344
R15
220
R16
220
T7
2SA1011
R14
10 /1W
C12
100nF
C14
1000µF
63V
-Us=-(35...40)VDC
F2
3,15A
GND
R21
4,7
T10
2SC2922
(MJL3281A)
D1
1N4148
T8
BC546
R22
270
R18
150
R19
150
R25
0,33 /5W
T9
BC556
D2
1N4148
R23
270
R24
4,7
T11
2SA1216
(MJL1302A)
R20
15k
14enameled Cu-windung
wire of d=10mm
L1=4µH
R26
10 /2W
R25
10
2W
C15
100nF
F3
5A
+Sp
Sp1
SpGND

Figure 1.