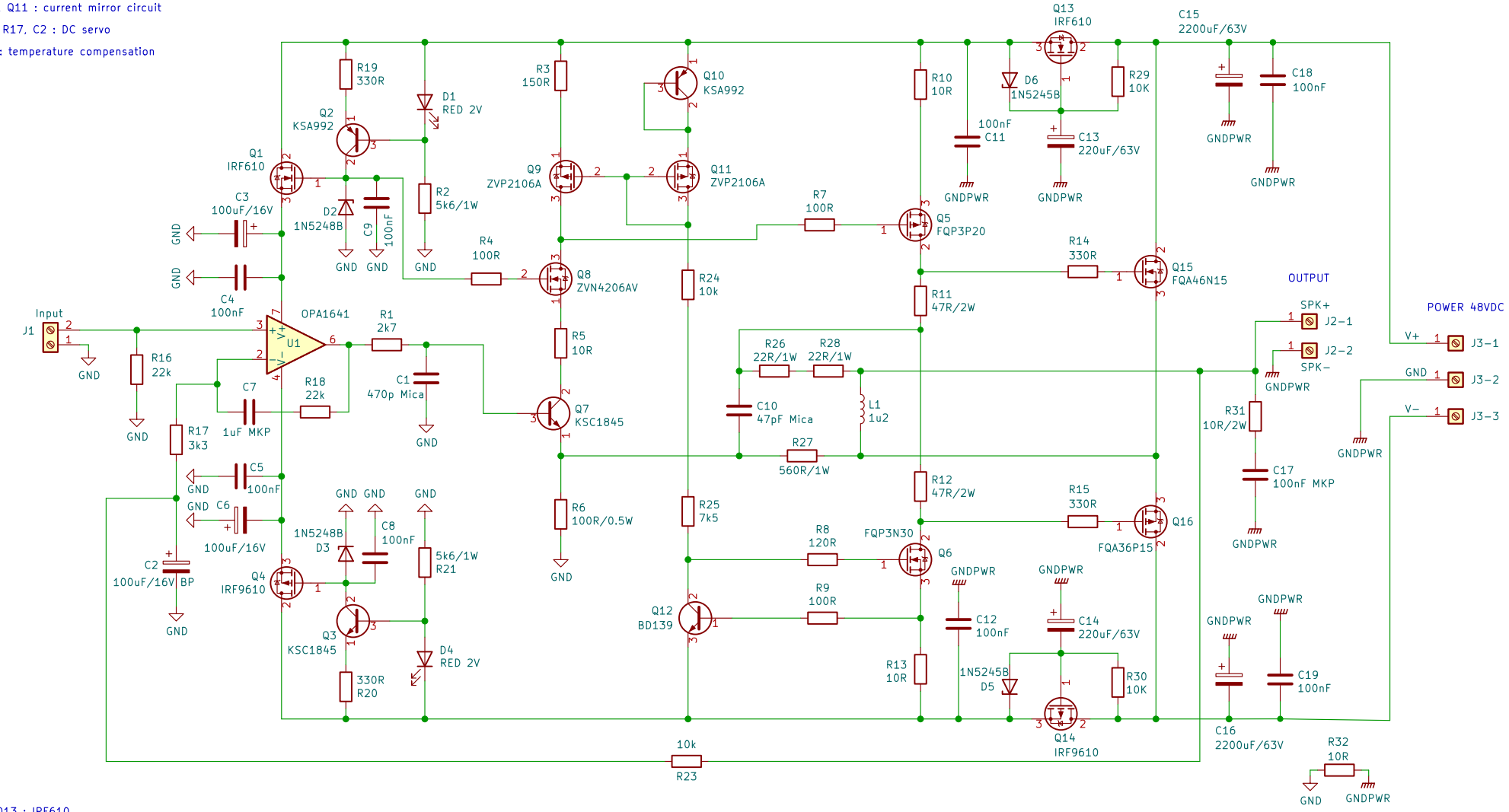

Q1, Q13 : IRF610
Q2, Q10 : KSA992
Q4, Q14 : IRF9610
Q3, Q7 : KSC1845
Q5 : FQP3P20
Q6 : FQP3N30
Q8 : ZVN4206AV or 2N7000 (not TA)
Q12 : BD139
Q9, Q11 : ZVP2106A or BS250P (Diodes Inc)
Q15 : FQA46N15
Q16 : FQA36P15

L1 : 22 turns of a 1mm diameter copper insulated wire wound around a 8mm tube.
This will give you a coil of 10x20mm (see picture on github repository).

C13, C14 : Panasonic FC
100nF capacitor : Wima MKS2
0.5W, 1W resistor : Vishay PR01
2W resistor : Vishay CCF or PR02
U1 : OPA1641 or OPA1611
D1, D4 : LED RED 2V
D2, D3 : 1N5248B
D5, Q6 : 1N5245

R26, R27, R28 : try to use non inductive 1W resistor (Vishay Dale or Ohmite).
C15, C16 : Vishay 048 RML (MAL204858222E3) or Nichicon UFW (UFW1J222MHD).
C7 : use MKP capacitor (MKP1F041005I00JYSD or MKP4D041005D00JSSD).
C17 : use MKP capacitor (MKP1F031004B00KI00 or FKP3C031004C00JSSD).
C2 : use bipolar capacitor if possible (Nichicon Muse UES1A101MPM).
C1, C10 : use Mica CDE CD15 or Polystyrene capacitor.
C3, C6 : Elna Silmic II (RFS−16V101MH3#5) or Nichicon Muse (UES1A101MPM1TD)
J2 and J3: FASTON 250 PCB connector (TE Connectivity 63849−1)

Exicon laterals : R11 and R12 = 10R 2W

Q17 a QUAD405 audiophile approach

Modified by Stef for the Q17−Mini project
by eng. Tiberiu Vicol

Sheet: /
File: Q17−Mini.kicad_sch

Title: Q17−Mini Amplifier

Size: A4	Date: 2021−12−13	**Rev: 1.1.4**
KiCad E.D.A. kicad (6.0.0−rc1−343−g73b39e836d)		Id: 1/1