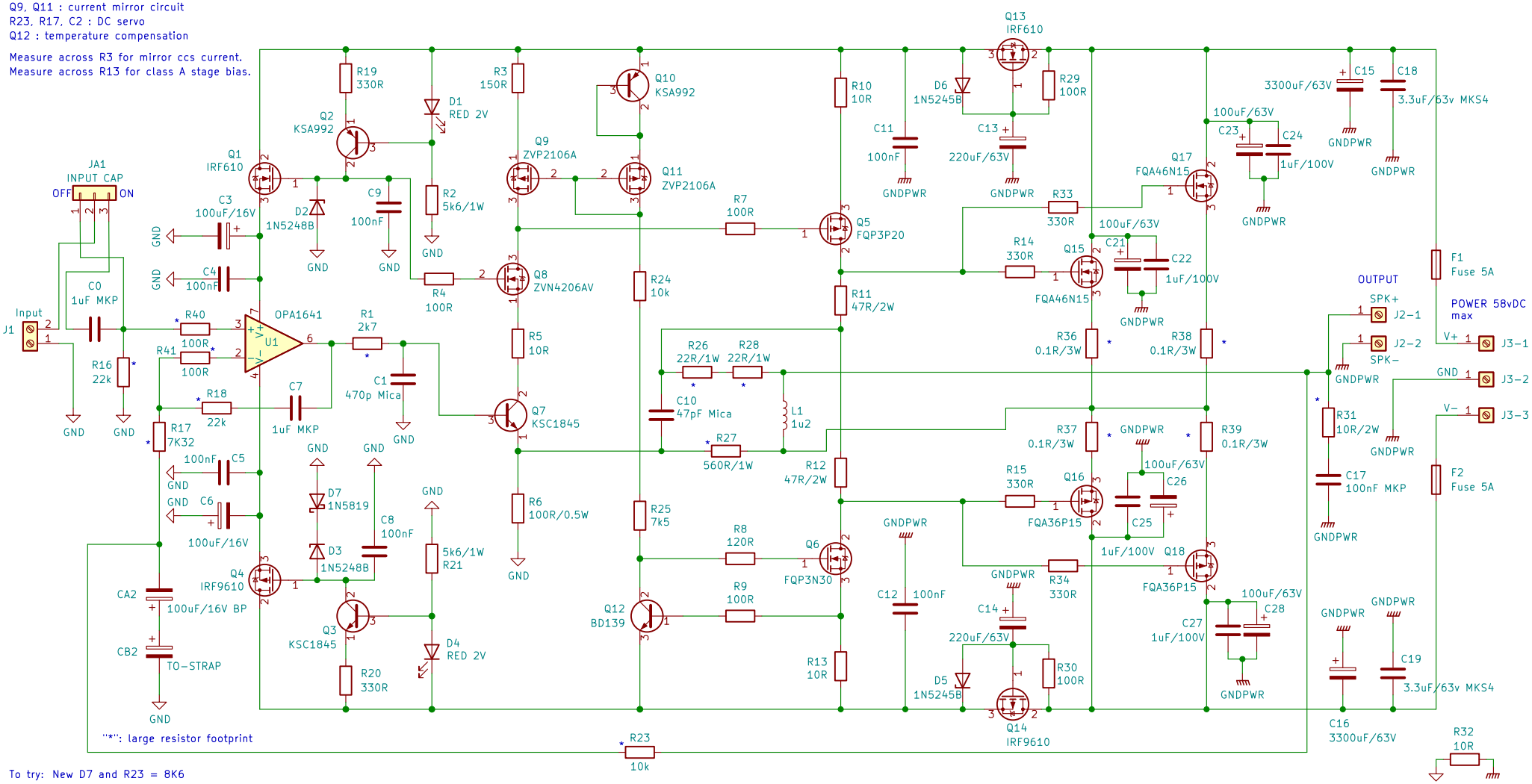

To try: New D7 and R23 = 8K6
C21, C23, C26, C28 with Silmic II 47uF/63v
New R40 and R41

U1 : OPA1641 (JFET) or OPA1611 (BIPOLAR)
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, Q17 : FQA46N15
Q16, Q18 : FQA36P15

C0 : CDE 1uF 100v 930C1W1K-F
1W resistor : Vishay PR01
2W resistor : Vishay CCF02 or PR02
C15, C16 : Vishay 256 PMG-SI
C18, C19 : Wima MKS4C043303G
100nF : Wima MKS2
D1, D4 : LED RED 2V
D2, D3 : 1N5248B
D5, D6 : 1N5245
D7 : Onsemi 1N5819RLG

1/4Watt, 1/2Watt resistor : Vishay MRS25 or CCF07
C4, C5 : 100nF COG KEMET C322C104K3G5TA or SMD1206 on back
C3, C6 : ELNA Silmic II RFS 100uF 16V
C3, C5, C13, C14, C21, C23, C26, C28 : Panasonic FC
R1 : Vishay Dale 2K7 1/4Watt RN60D2202FRE6
R16 : Vishay Dale 22K 1/4Watt RN60D2202FRE6
R26, R28 : Ohmite 25R 1W WNB25RFET
R27 : Ohmite 560R 1W WNB560FET
R31 : Ohmite 10R 2W WNC10RFE
R36, R37, R38, R39 : Noble RGC5 or KOA BPR58 0.1R 5W (white sugar)
R40, R41 : Vishay Dale 100R 1/4Watt RN60E1000FB14
C7 : use MKP capacitor (MKP1F041005I00JYSD or MKP4D041005D00JSSD).
C17 : use MKP capacitor (MKP1F031004B00KI00 or FKP3C031004C00JSSD).
C2 : use bipolar capacitor (Nichicon Muse UES1A101MPM).
C1, C10 : use Mica CDE CD15 or Polystyrene capacitor.
J2 and J3: FASTON 250 PCB connector (TE Connectivity 63849-1)

For input sensibility at 1.5v: R17 = 7K32
For input sensibility at 0.750v: R17 = 3K3

Exicon ECW laterals:
R11,R12 = 10R 2W, R14 = 510R and R15 = 390R

Q17 a QUAD405 audiophile approach

Modified by Stef for the Q17-P2 project
by eng. Tiberiu Vicol

Sheet: /
File: Q17-P2.kicad_sch

Title: Q17-P2 Amplifier

Size: A4	Date: 2022-01-08	**Rev: 1.2.1**
KiCad E.D.A. kicad (6.99.0)		Id: 1/1