



Q6, Q8 : IRFZ24NPBF or IRF530NPBF  
Q7, Q9 : IRF9Z34NPBF or IRF9540NPBF  
SR1 : TL431BCLPG (0.4%)  
CR1, CR2 : Semitec E-202 (100V)  
CR3, CR4 : Semitec E-562 (100V)  
C12, C13 : 3900pF 100V Kemet MMK5392J100J01L16.5TA18 or Kemet PHE426DJ4390JR05  
C14, C15 : 220pF 100V Kemet C0G C315C221J1G  
C1, C2, C16, C17 : 1uF 100V Wima MKP MKP1D041005G00KSSD (use MKP pulse caps)  
C5, C6, C7, C8, C11 : 100uF 80V Panasonic EEU-FS1K101 (low ESR, miniature)  
R16, R17, R20, R21 : Noble RGC5 or KOA BPR58 OR47 5W (white sugar)  
TO-220 thermal pad : Aavid 4171G  
Heatsinks = Aavid 531202B02100G or Fischer SK104 SK104-50.8-ST5-220 (w35xt13xh50)

HS1 531202B21G  
HS2 531202B21G  
HS3 531202B21G  
HS4 531202B21G

Inspired from Sigma22 v3 design from Ti Kan  
Design and test by Moor

#### PCB and BOM by stef

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#### Title: Q17-SIGMA Power Supply

Size: A4 Date: 2024-04-26

KiCad E.D.A. 8.0.1

Rev: 1.1

Id: 1/1