

C1 100pF
C10 1000pF
C11 1000pF
C12 0.1uF
C13 0.1uF
C14 0.1uF
C15 0.1uF
C16 470pF
C17 1000pF
C2 1000pF
C3 0.1uF
C4 0.1uF
C5 100pF
C6 1000uF
C7 1000uF
C8 0.1uF
C9 1000uF
D1 1N4007
D2 1N4148
D3 1N4148
D4 1N4148
D5 1N4148
J1 Pin_Header_Straight_1x02_Pitch2.54mm
J2 TerminalBlock_bornier-2_P5.08mm
J3 Pin_Header_Straight_1x02_Pitch2.54mm
J4 TerminalBlock_bornier-2_P5.08mm
J5 Pin_Header_Straight_1x02_Pitch2.54mm
J6 Pin_Header_Straight_1x02_Pitch2.54mm
J7 Pin_Header_Straight_1x03_Pitch2.54mm
Q1 BC547 TO-92
Q2 IRF840N TO-220
R1 120k
R10 100
R11 100
R12 240
R13 330k
R14 2k
R2 20k
R3 12k
R4 8k2
R5 22
R6 330k
R7 10k
R8 1k
R9 120k
RV1 5k Potentiometer_Trimmer_Bourns_3266Z
RV2 50k Potentiometer_Trimmer_Bourns_3266Z
RV3 22k Potentiometer_Trimmer_Bourns_3266Z
RV4 50k Potentiometer_Trimmer_Bourns_3266Z
U1 4046 DIP-16
U2 LM7812 TO220
U3 LM317 TO-220

U4 4011 DIP-14

U5 TC4420 or TC4429 DIP-8

heatsinks 2x Fischer SK 104 38 STS