



R1,R2,R3,R17,R18,R19=470

R4,R1=15k

R5=390

R6,R7,R15,R20=10k

R8,R14,R16=47k

R9=100

R10=27k

R11=33k

R13=10

R20=10k

RS1,RS2,RS3,RS4=0,1ohm/2W

R12= x

P1=5k

P2=470

C1,C2=1000uF/50V

C3=100uF/16V

C4,C6,C7,C10=560uF/100V

C5,C9,C12,C13=100nF/50V

C11=470nF/50V MKS

C8=8,6nF/50V

C1=270pF

L1=100uH/15A

IC1=NE555N

IC2=TL431

D1=MBR20100

D3,D4,D5,D6,D7,D9=1N4148

D8=1N5819

DZ1=ZY18

DZ2=ZY16

D2= x

T1=IRF540

T2,T3,T7=BC212

T4=BC337,BC107,ETC

T6=IRF530