

Reference,"Value","Datasheet","Footprint","Qty","DNP"

C1,"10u","~","Capacitor\_THT:C\_Rect\_L16.5mm\_W4.9mm\_P15.00mm\_MKT","1",""  
C2,C9,C10,"100p","~","Capacitor\_THT:C\_Rect\_L7.2mm\_W2.5mm\_P5.00mm\_FKS2\_FKP2\_MKS2\_MKP2","3",""  
C3,"1,5n","~","Capacitor\_THT:C\_Rect\_L7.2mm\_W4.5mm\_P5.00mm\_FKS2\_FKP2\_MKS2\_MKP2","1",""  
C4,C5,"22u/63","~","Capacitor\_THT:CP\_Radial\_D5.0mm\_P2.50mm","2",""  
C6,"100u/16","~","Capacitor\_THT:CP\_Radial\_D6.3mm\_P2.50mm","1",""  
C7,"47p","~","Capacitor\_THT:C\_Rect\_L7.2mm\_W2.5mm\_P5.00mm\_FKS2\_FKP2\_MKS2\_MKP2","1",""  
C8,C12,C13,C14,C18,"100n","-- verschiedene Werte --","Capacitor\_THT:C\_Rect\_L7.2mm\_W2.5mm\_P5.00mm  
C15,C16,"470u","~","Capacitor\_THT:CP\_Radial\_D10.0mm\_P5.00mm","2",""  
D1,D2,D3,"1N4148","-- verschiedene Werte --","Diode\_THT:D\_DO-35\_SOD27\_P7.62mm\_Horizontal","3",""  
D4,D5,"1N4007","~","Diode\_THT:D\_DO-41\_SOD81\_P7.62mm\_Horizontal","2",""  
F1,F2,"5A","~","Fuse:Fuseholder\_Cylinder-5x20mm\_Schurter\_0031\_8201\_Horizontal\_Open","2",""  
H1,H2,H3,H4,H5,"MountingHole","~","-- verschiedene Werte --","5",""  
J1,"IN","~","Connector\_Wago:Wago\_734-132\_1x02\_P3.50mm\_Vertical","1",""  
L1,"1uH","~","Inductor\_THT:L\_Radial\_D21.0mm\_P15.00mm\_Vishay\_IHB-2","1",""  
Q1,Q5,"BC560","https://www.onsemi.com/pub/Collateral/BC556BTA-D.pdf","Package\_TO\_SOT\_THT:TO-92\_I  
Q2,Q4,"BC547","https://www.onsemi.com/pub/Collateral/BC550-D.pdf","Package\_TO\_SOT\_THT:TO-92\_Hanc  
Q3,"2N5401","https://www.onsemi.com/pub/Collateral/BC556BTA-D.pdf","Package\_TO\_SOT\_THT:TO-92\_Ha  
Q6,"BC546","https://www.onsemi.com/pub/Collateral/BC550-D.pdf","Package\_TO\_SOT\_THT:TO-92\_HandSol  
Q7,"BC556","https://www.onsemi.com/pub/Collateral/BC556BTA-D.pdf","Package\_TO\_SOT\_THT:TO-92\_Han  
Q8,"MJE350","https://www.onsemi.com/pub/Collateral/BC556BTA-D.pdf","Package\_TO\_SOT\_THT:TO-126-3\_  
Q9,"MJE340","http://www.st.com/internet/com/TECHNICAL\_RESOURCES/TECHNICAL\_LITERATURE/DATASHE  
Q10,"BD139","http://www.st.com/internet/com/TECHNICAL\_RESOURCES/TECHNICAL\_LITERATURE/DATASHE  
Q11,"2SC4793","http://www.st.com/internet/com/TECHNICAL\_RESOURCES/TECHNICAL\_LITERATURE/DATAS  
Q12,"2SA1837","http://www.st.com/internet/com/TECHNICAL\_RESOURCES/TECHNICAL\_LITERATURE/DATAS  
Q13,"2SC5200","http://rtellason.com/transdata/2sc1945.pdf","Package\_TO\_SOT\_THT:TO-3P-3\_Vertical","1",  
Q14,"2SA1943","http://www.datasheetcatalog.org/datasheet/toshiba/905.pdf","Package\_TO\_SOT\_THT:TO-3  
R1,R16,"1k","","Resistor\_THT:R\_Axial\_DIN0207\_L6.3mm\_D2.5mm\_P10.16mm\_Horizontal","2",""  
R2,R11,"22k","","Resistor\_THT:R\_Axial\_DIN0207\_L6.3mm\_D2.5mm\_P10.16mm\_Horizontal","2",""  
R3,"10k","","Resistor\_THT:R\_Axial\_DIN0207\_L6.3mm\_D2.5mm\_P10.16mm\_Horizontal","1",""  
R4,R6,R7,R8,"560","","Resistor\_THT:R\_Axial\_DIN0207\_L6.3mm\_D2.5mm\_P10.16mm\_Horizontal","4",""  
R5,R10,R14,R15,R17,R20,"220","","Resistor\_THT:R\_Axial\_DIN0207\_L6.3mm\_D2.5mm\_P10.16mm\_Horizontal  
R9,R12,R13,"47k","","Resistor\_THT:R\_Axial\_DIN0207\_L6.3mm\_D2.5mm\_P10.16mm\_Horizontal","3",""  
R18,R19,"220/1W","","Resistor\_THT:R\_Axial\_DIN0207\_L6.3mm\_D2.5mm\_P10.16mm\_Horizontal","2",""  
R21,R22,"4,7","","Resistor\_THT:R\_Axial\_DIN0207\_L6.3mm\_D2.5mm\_P10.16mm\_Horizontal","2",""  
R23,R24,"0,33","","Resistor\_THT:R\_Axial\_DIN0207\_L6.3mm\_D2.5mm\_P10.16mm\_Horizontal","2",""  
R25,"10/5Watt","","Resistor\_THT:R\_Axial\_DIN0309\_L9.0mm\_D3.2mm\_P20.32mm\_Horizontal","1",""  
R26,"10","","Resistor\_THT:R\_Axial\_DIN0207\_L6.3mm\_D2.5mm\_P10.16mm\_Horizontal","1",""  
R28,"10/5W","~","Resistor\_THT:R\_Axial\_DIN0309\_L9.0mm\_D3.2mm\_P20.32mm\_Horizontal","1",""  
RV1,"500","~","Potentiometer\_THT:Potentiometer\_Vishay\_T73XW\_Horizontal","1",""  
TP1,TP2,"GND","~","TestPoint:TestPoint\_Bridge\_Pitch5.08mm\_Drill1.3mm","2",""  
TP3,"+50V","~","TestPoint:TestPoint\_Bridge\_Pitch5.08mm\_Drill1.3mm","1",""  
TP4,"OUT","~","TestPoint:TestPoint\_Bridge\_Pitch5.08mm\_Drill1.3mm","1",""  
TP5,"-50V","~","TestPoint:TestPoint\_Bridge\_Pitch5.08mm\_Drill1.3mm","1",""

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\_FKS2\_FKP2\_MKS2\_MKP2","5",""

HandSolder","2",""

dSolder","2",""

ndSolder","1",""

lder","1",""

dSolder","1",""

\_Vertical","1",""

:ET/CD00001225.pdf","Package\_TO\_SOT\_THT:TO-126-3\_Veritical","1",""

:ET/CD00001225.pdf","Package\_TO\_SOT\_THT:TO-126-3\_Veritical","1",""

HEET/CD00001225.pdf","Package\_TO\_SOT\_THT:TO-126-3\_Veritical","1",""

HEET/CD00001225.pdf","Package\_TO\_SOT\_THT:TO-126-3\_Veritical","1",""  
""

iP-3\_Veritical","1",""

","6",""