SOT23 Zener Tester Rev 1, 2019-10-02
https://github.com/slugrustle/electronics

12VDC 500mA
2.1mm ID, 5.5mm OD
Center Positive

S13
S14
J1
D2
F1
D1
C1

S2
S17
J2
S18
S16
J4
S15

Drive+
Sense+
Sense−
Drive−
Shield
GND
Zener Cathode

R1
R2
R3
R4
R5

RLY1
RLY2
RLY3
RLY4
RLY5

RLY6 RLY7
RLY8 RLY9
RLY10 RLY11
RLY12 RLY13
RLY14 RLY15

S8
S9
S10
S11
S12

J5
J6
J7
J8
J9

S3
S4
S5
S6
S7

S1
J3

D10 Q8
D9 Q7
D17 Q15
D8 Q6
D16 Q14
D7 Q5
D15 Q13
D6 Q4
D14 Q12
D5 Q3
D13 Q11
D4 Q2
D12 Q10
D3 Q1
D11 Q9

J3 Pinout
1: 100Ω
2: 1kΩ
3: 10kΩ
4: 100kΩ
5: 1MΩ
6: J5L
7: J5R
8: J6L
10: J6R
11: J7L
12: J7R
13: J8L
14: J8R
15: J9L
16: J9R
18: GND

Rev1: Fixing J2 & J4 footprints

Sheet:
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Title: SOT23 Zener Tester
Size: USLetter   Date: 2019-10-02   Rev: 1
KiCad E.D.A.   kicad (5.1.2)-1   Id: 1/1