

# UNIVERSAL NIXIE TUBE TESTER

# ASSEMBLY INSTRUCTION

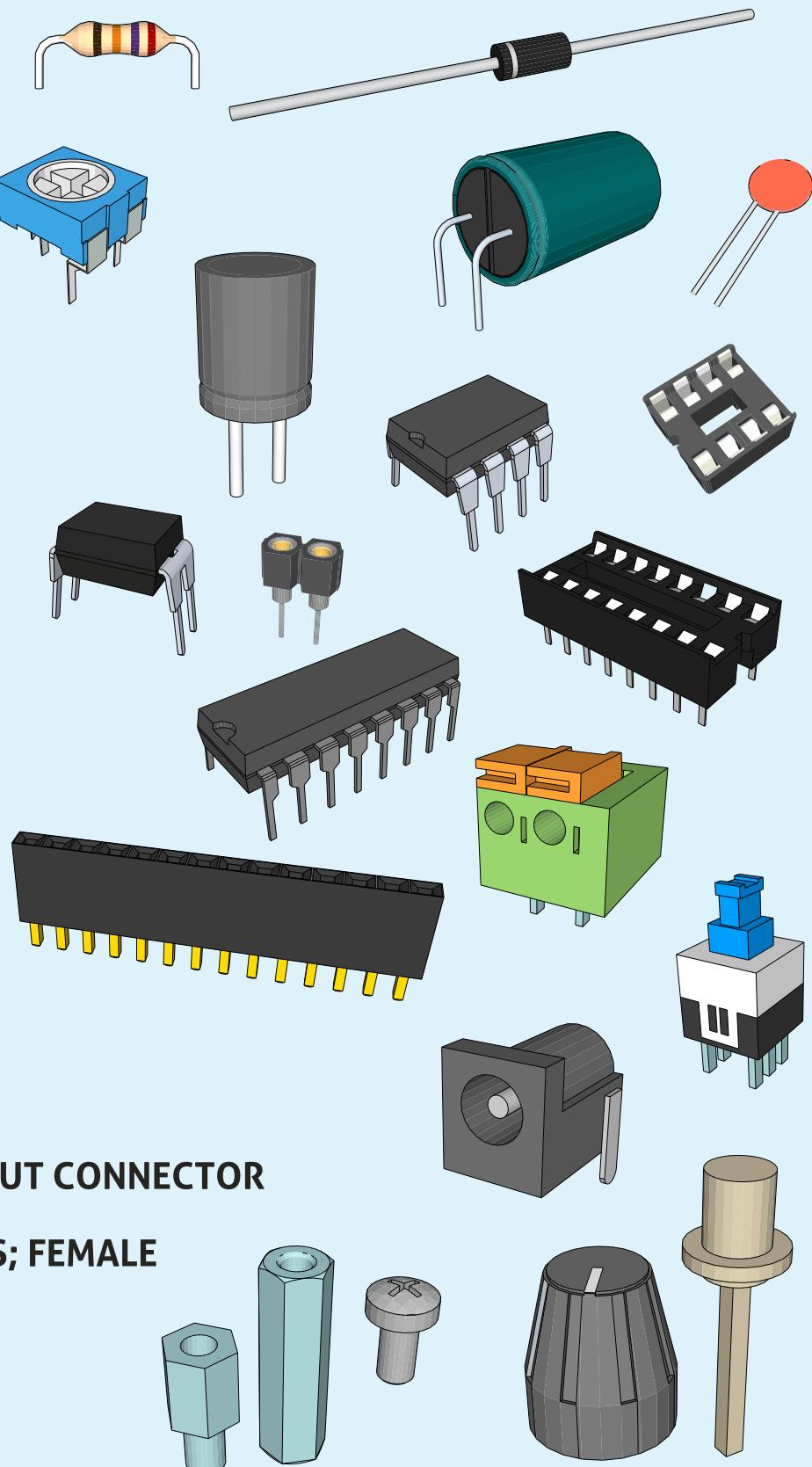


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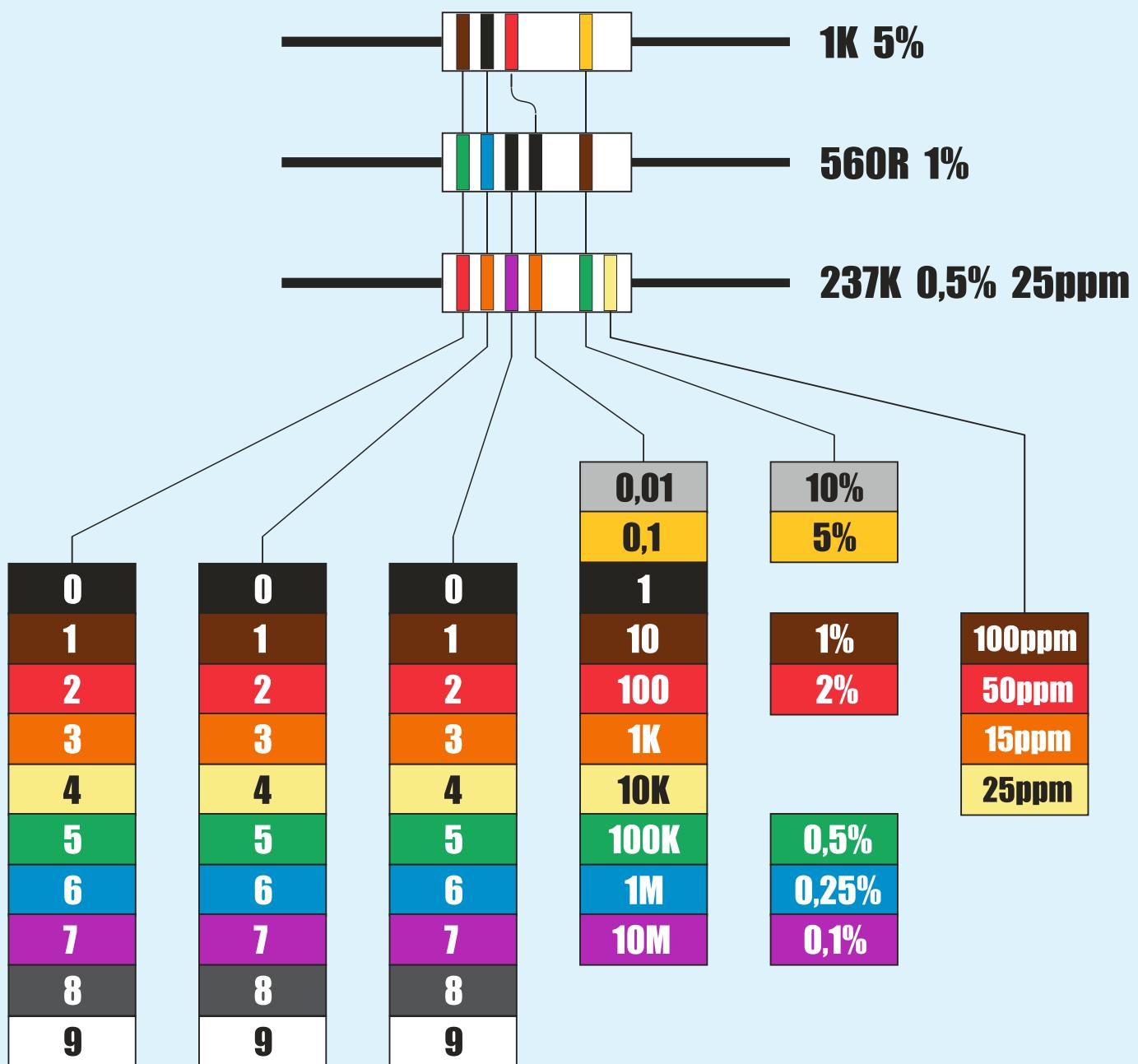
## COMPONENTS

- R1 - 0R100; 2W
- R2 - 1M5; 1%
- R3 - 11K3; 1%
- R4 - 1K
- R5, R6 - 100K
- P1 - 5K
- P2 - 1M
- D1 - MUR140/160/1100
- LED1 - 5mm; RED
- C1 - 220uF; 25V
- C2, C3, C6 - 100nF; 25V
- C4 - 4.7uF; 250V
- C5 - 100nF; >250V
- C7 - 1uF; 25V
- C8 - 10nF; 25V
- L1 - 100uH; 1.7A
- T1 - IRFD320
- U1 - MAX1771CPA
- U2 - 7805
- U3 - NE555
- U4 - 4518
- U5 - 74141/K155ID1
- T1 SOCKET - 2 x PIN2
- U1, U3 SOCKETS - DIL8
- U4, U5 SOCKETS - DIL16
- POTENTIOMETER KNOB x 2
- ROLLER KNOB x 2
- SW1 - PUSH SWITCH
- SWITCH BUTTON
- VOUT - HIGH VOLTAGE OUTPUT CONNECTOR
- VIN - POWER CONNECTOR
- PH1, PH2 - 1 x 14; PIN STRIPS; FEMALE
- SPACER - 18mm x 4; F-F
- SPACER - 5mm x 4; M-F
- SCREW - 8 x M3; 8mm
- PCB
- ENCLOSURE



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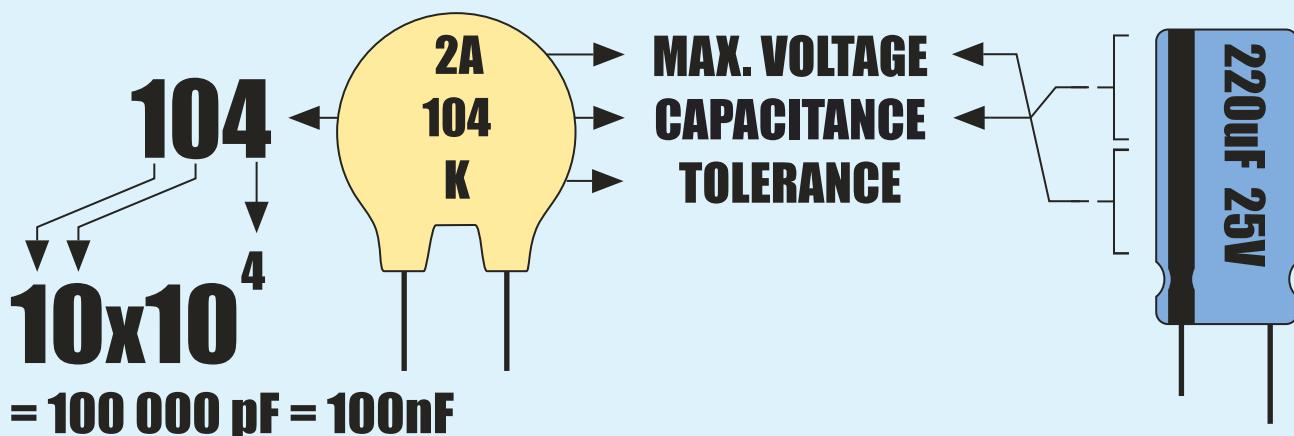
# RESISTORS MARKING



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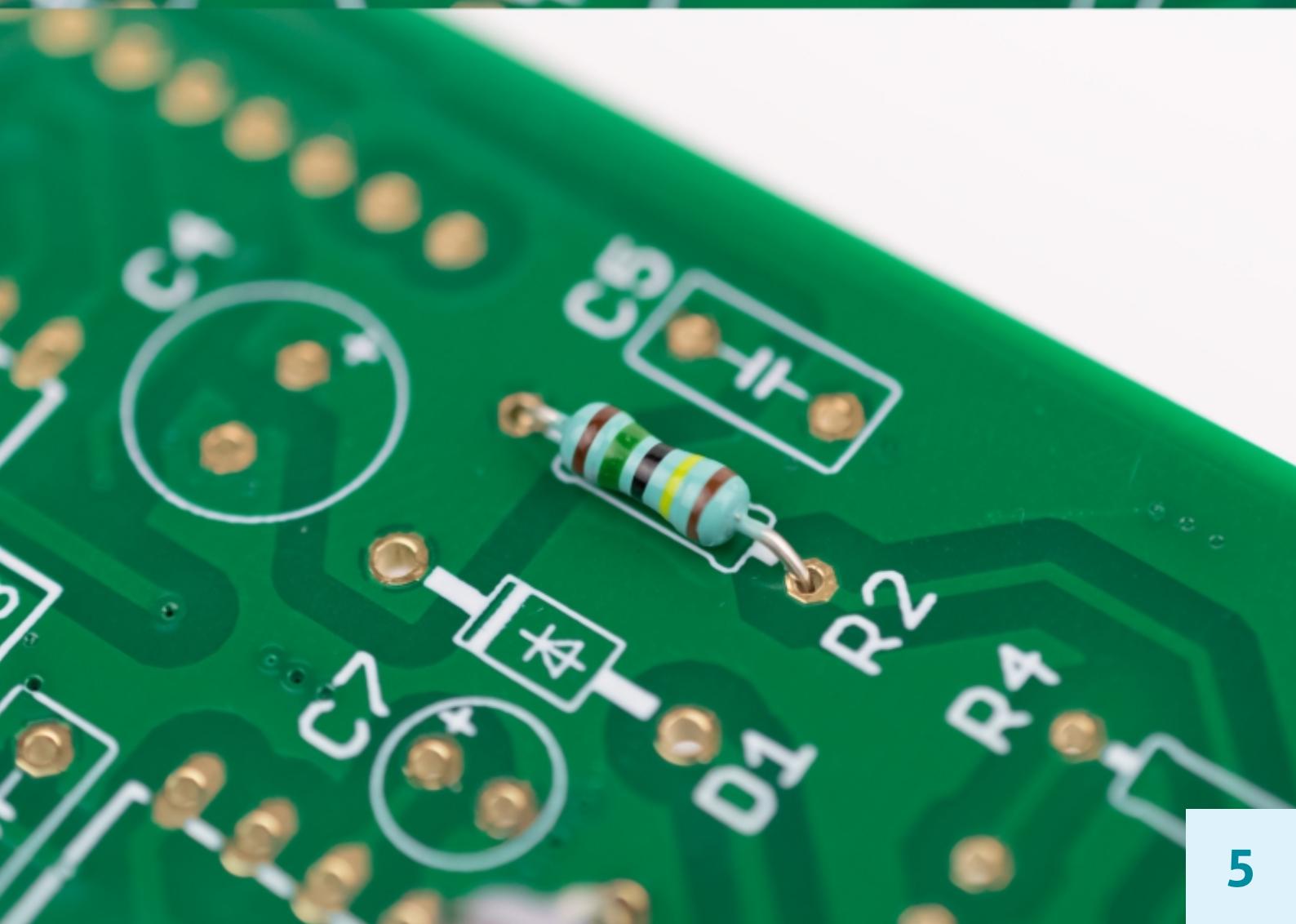
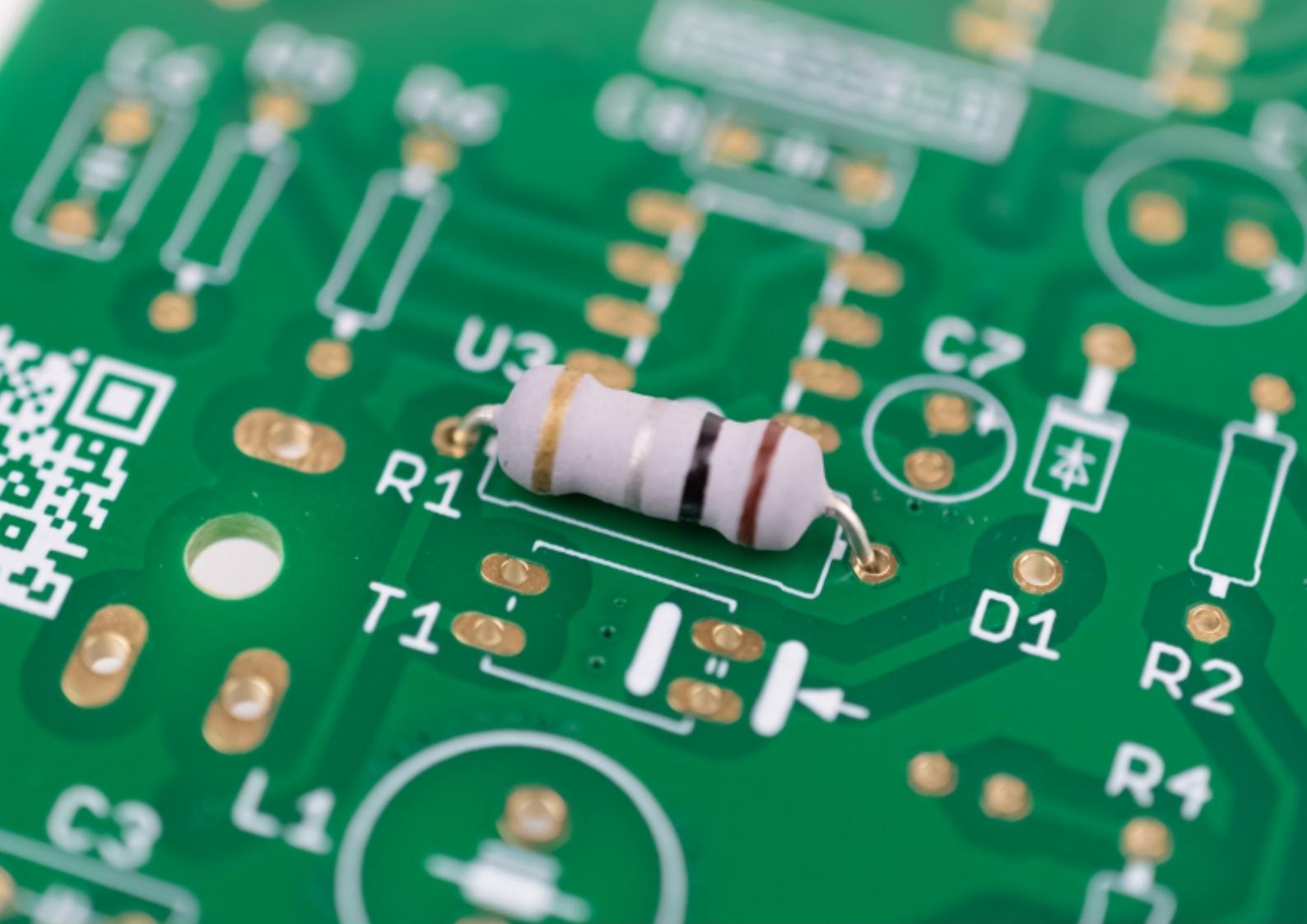
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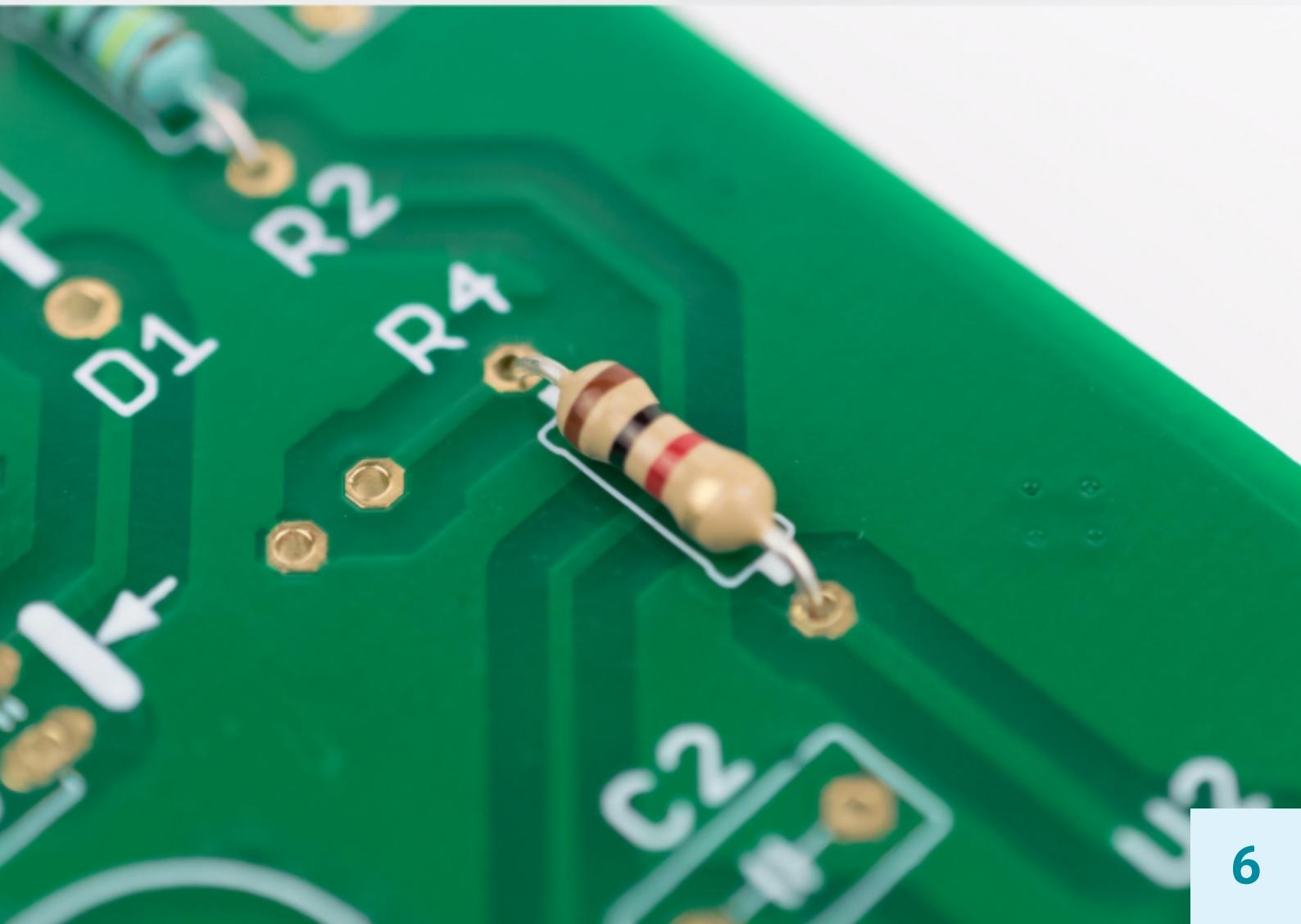
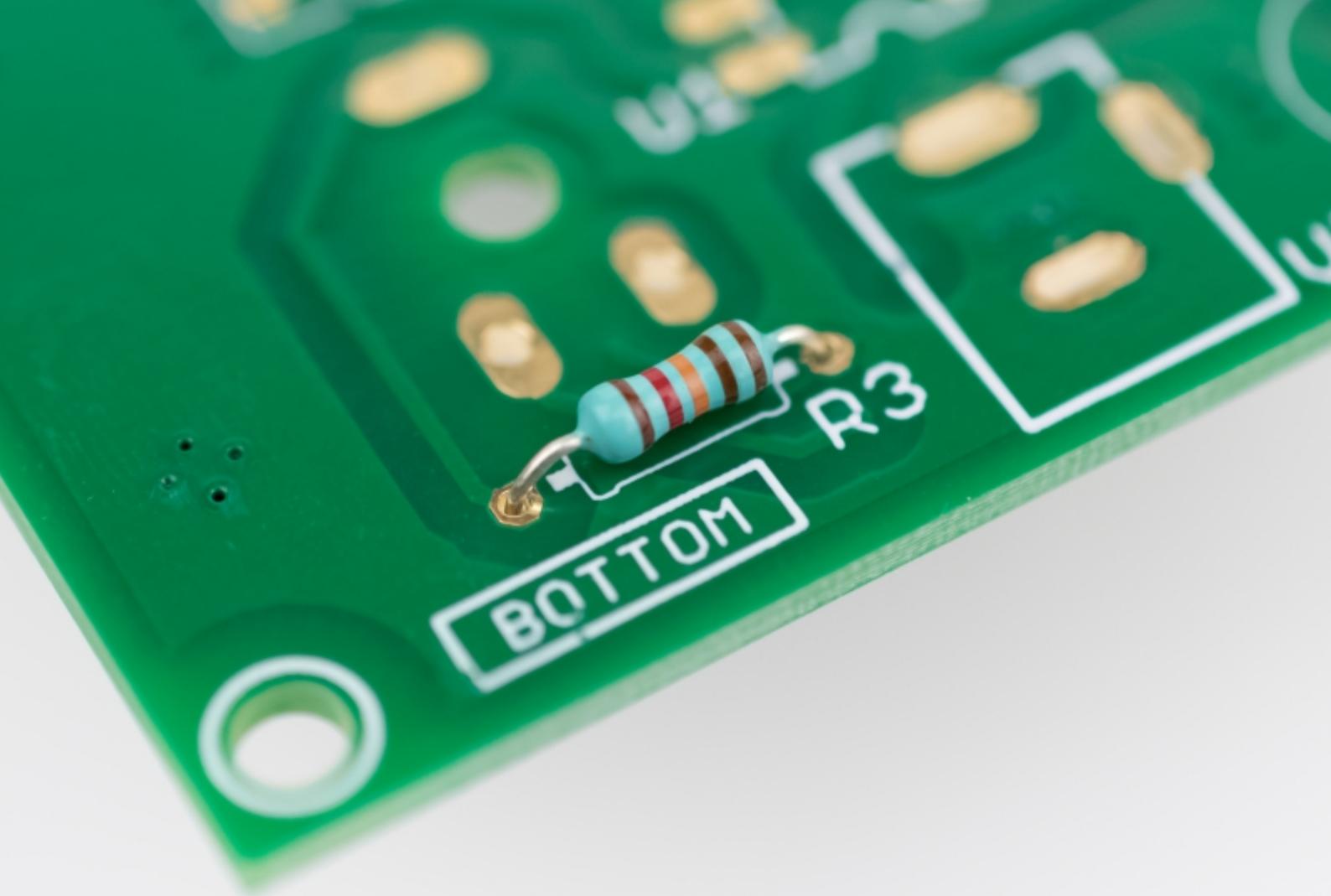
# CAPACITORS MARKING

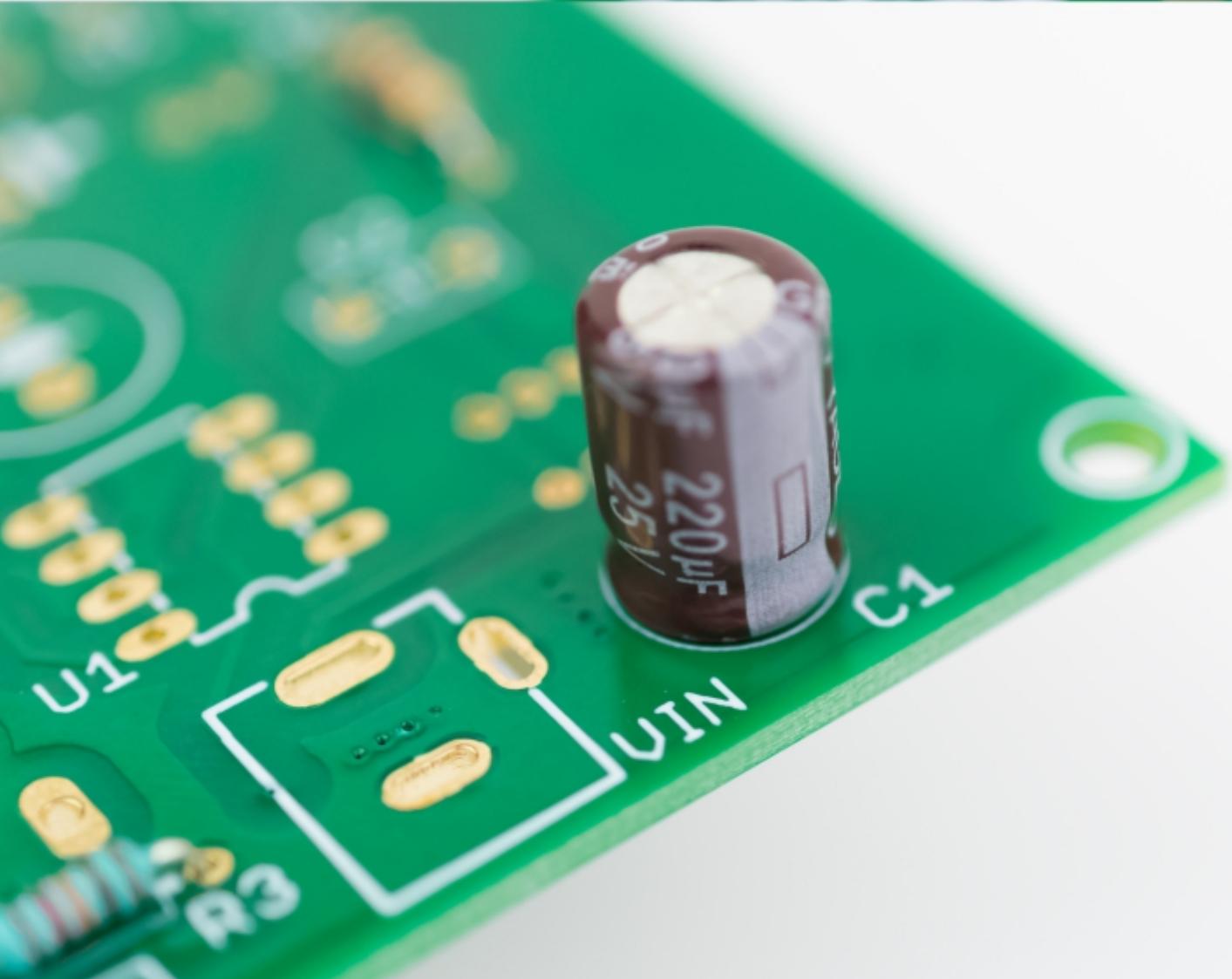
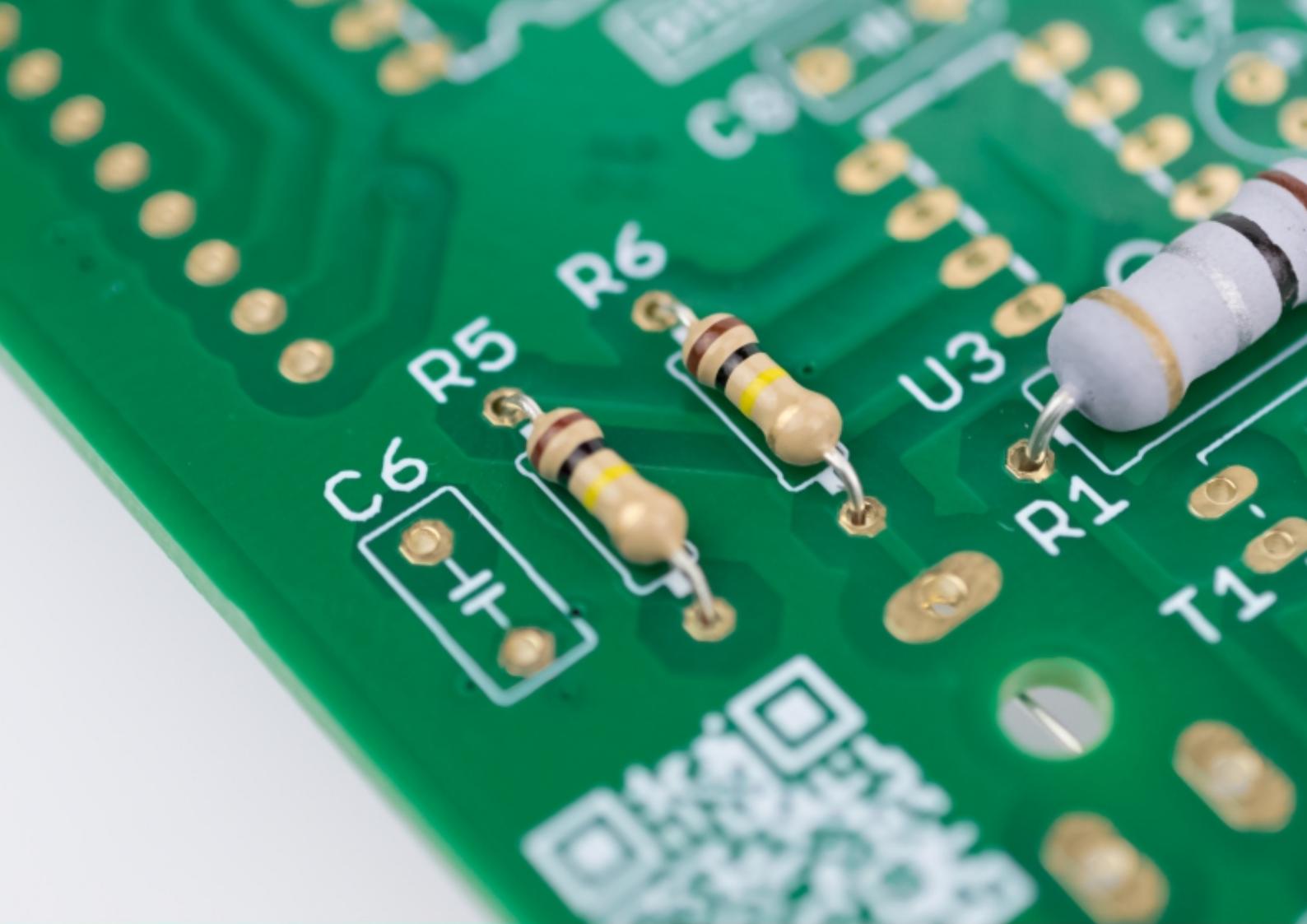


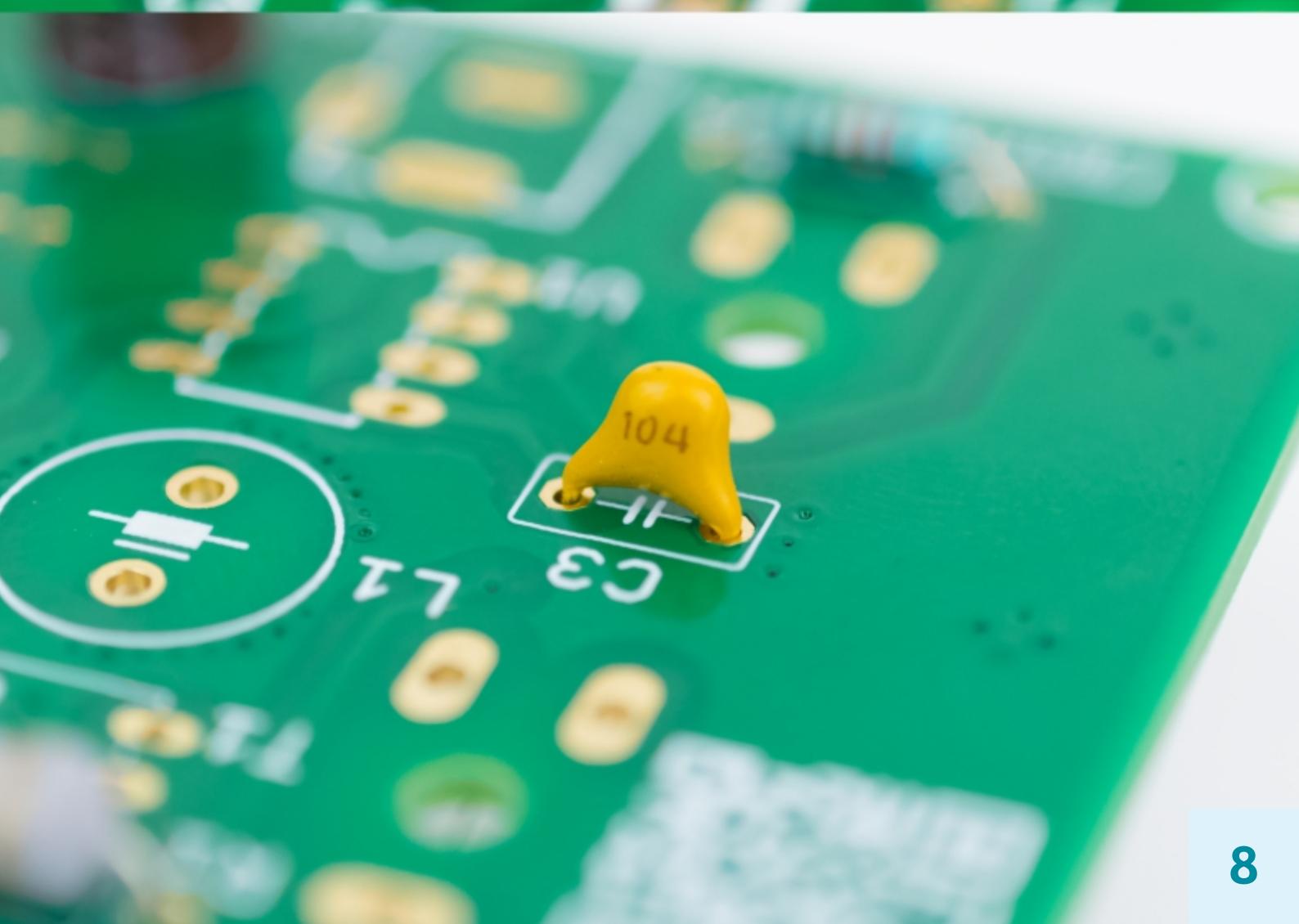
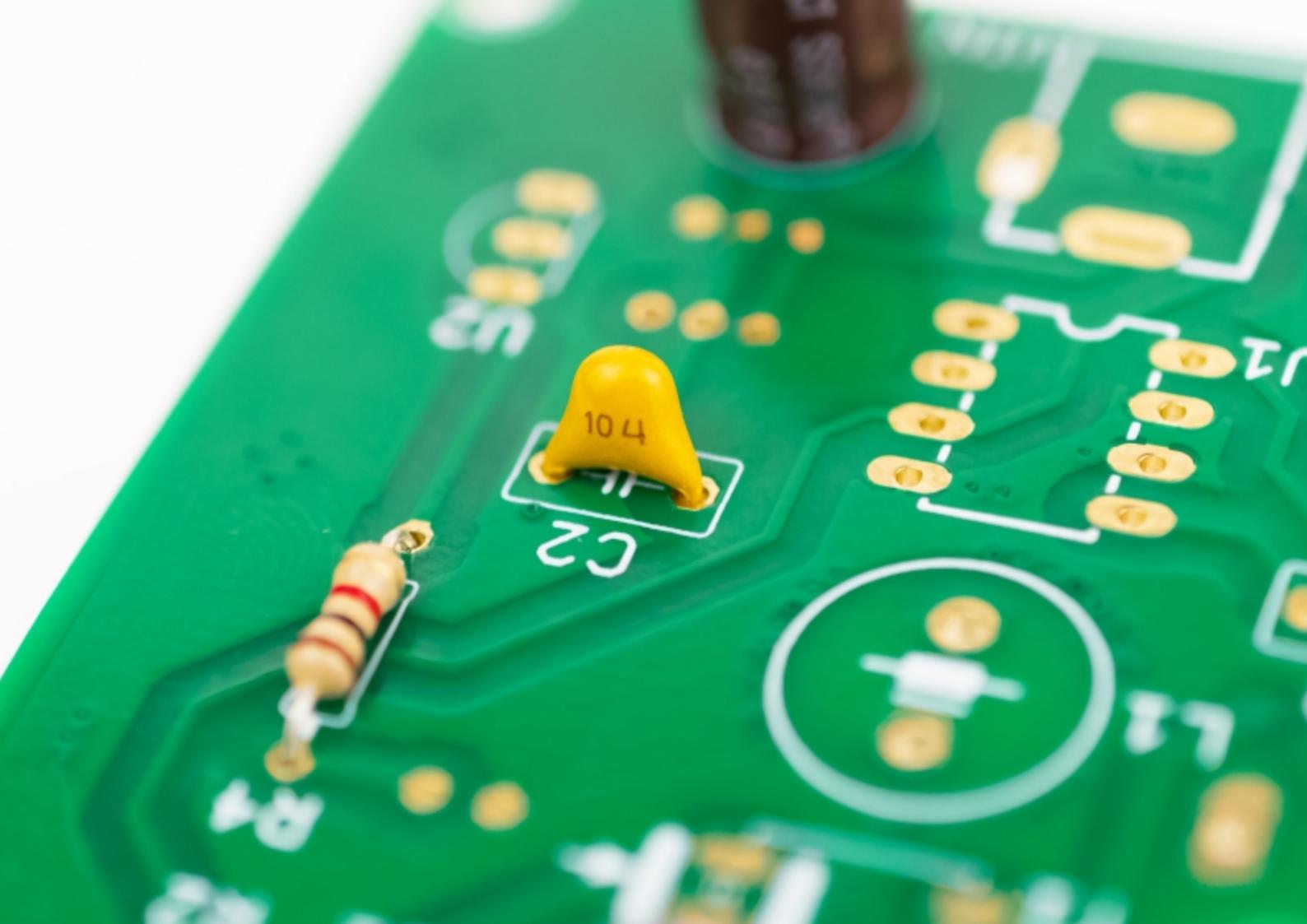
MAX. OPERATING VOLTAGE	
<b>1H</b>	<b>50V</b>
<b>2A</b>	<b>100V</b>
<b>2T</b>	<b>150V</b>
<b>2D</b>	<b>200V</b>
<b>2E</b>	<b>250V</b>
<b>2G</b>	<b>400V</b>
<b>2J</b>	<b>630V</b>

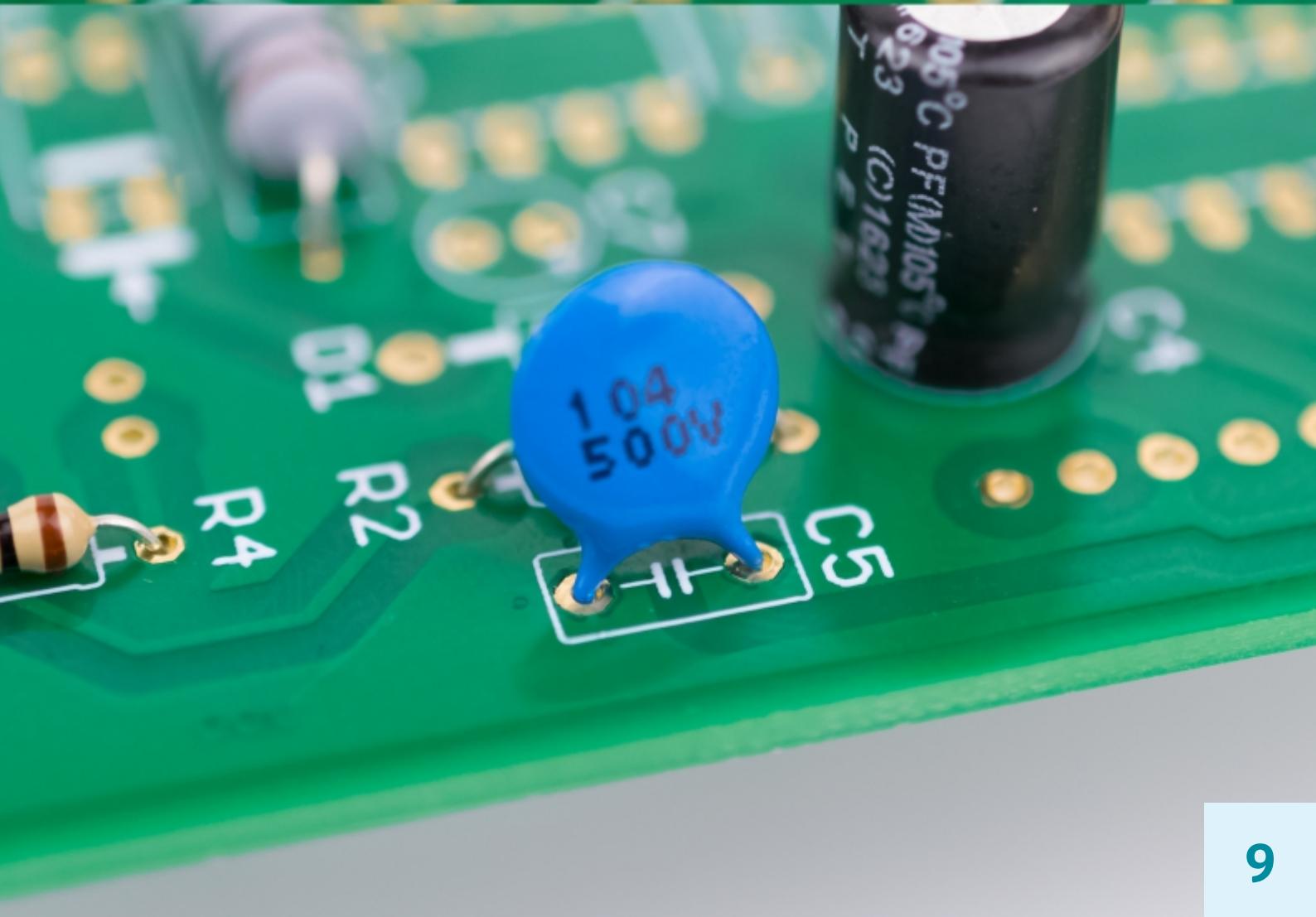
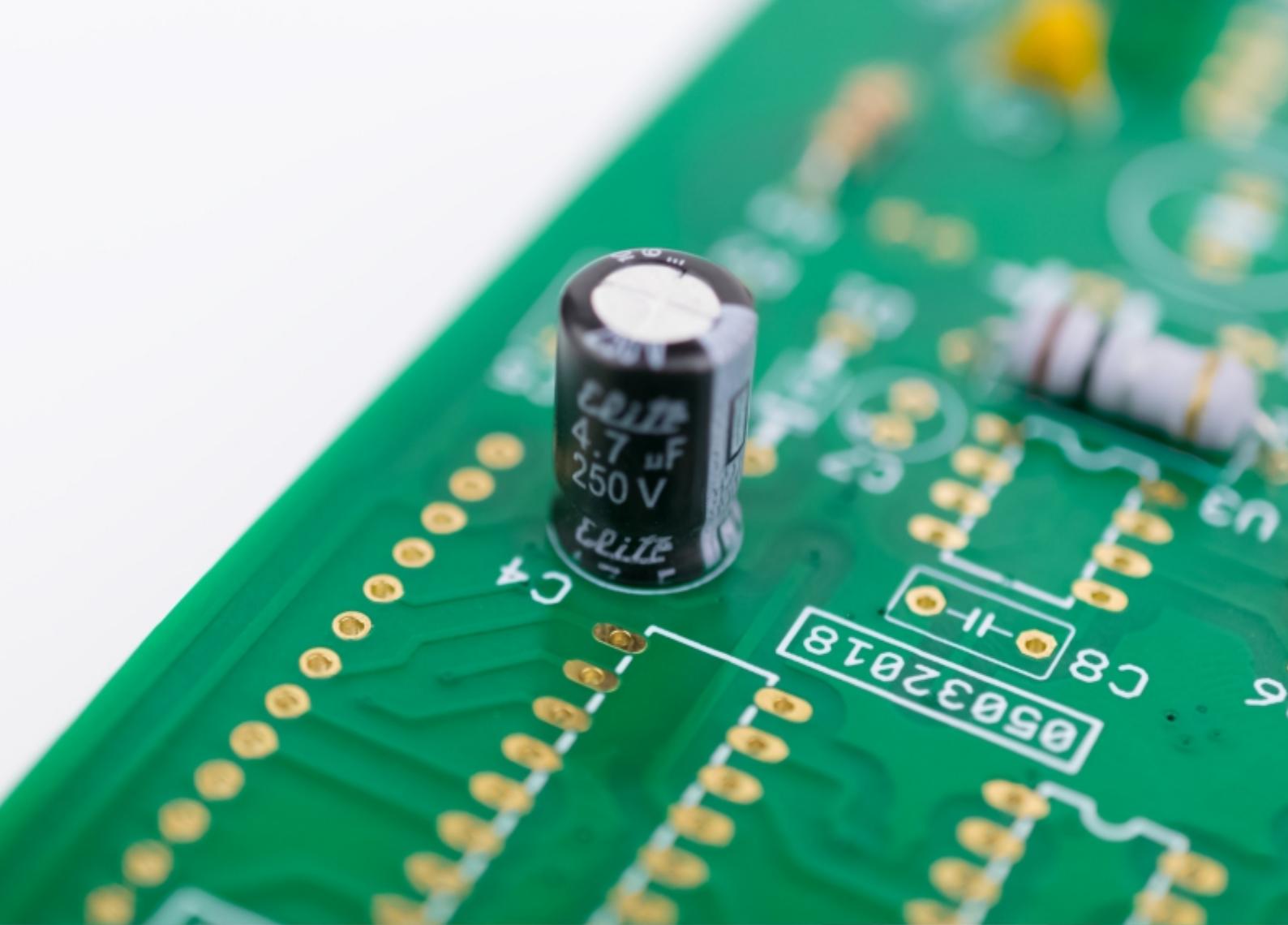
TOLERANCE	
<b>B</b>	<b>0,1pF</b>
<b>C</b>	<b>0,25pF</b>
<b>D</b>	<b>0,5pF</b>
<b>F</b>	<b>1%</b>
<b>G</b>	<b>2%</b>
<b>H</b>	<b>3%</b>
<b>J</b>	<b>5%</b>
<b>K</b>	<b>10%</b>
<b>M</b>	<b>20%</b>
<b>Z</b>	<b>+80%, -20%</b>

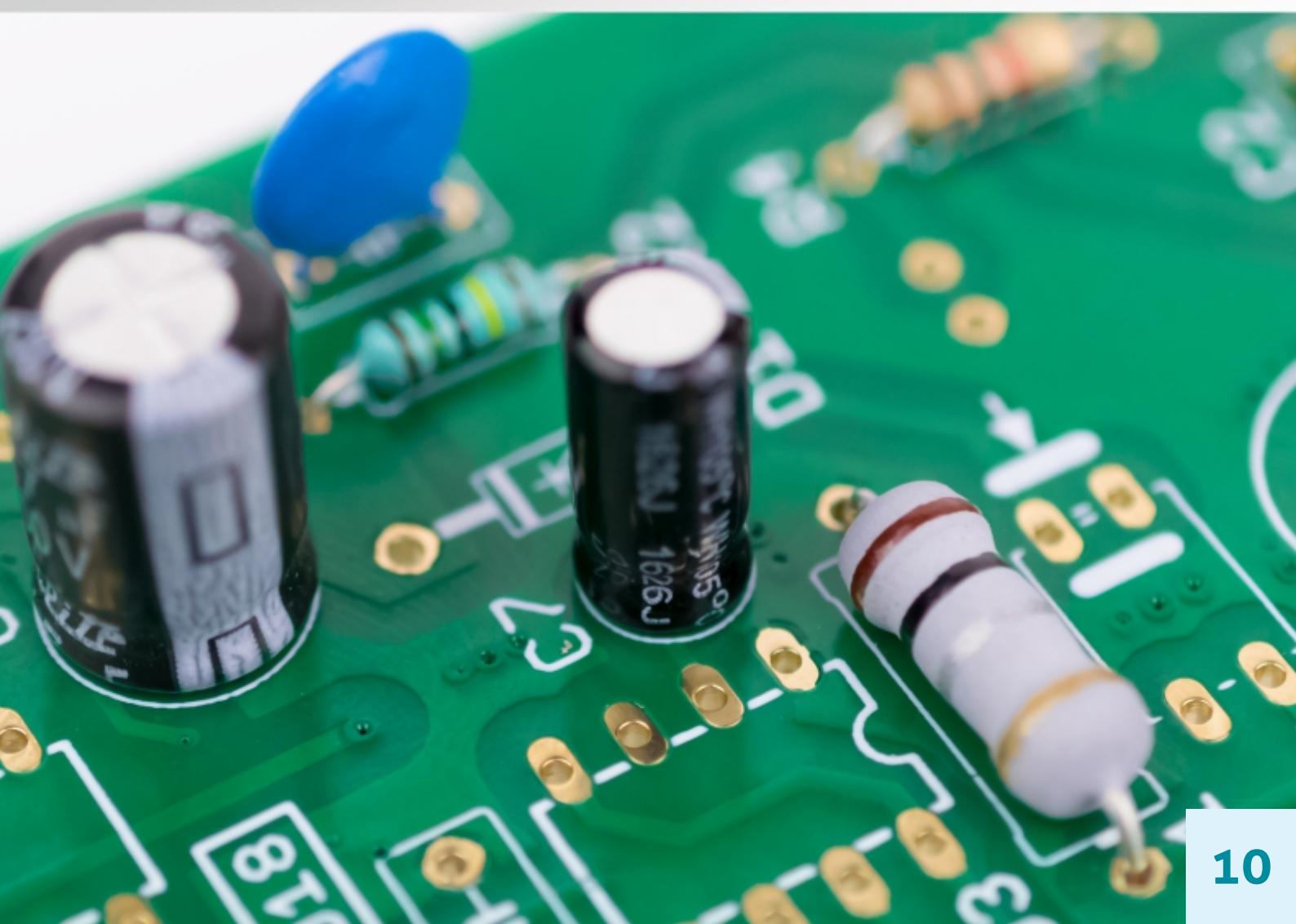
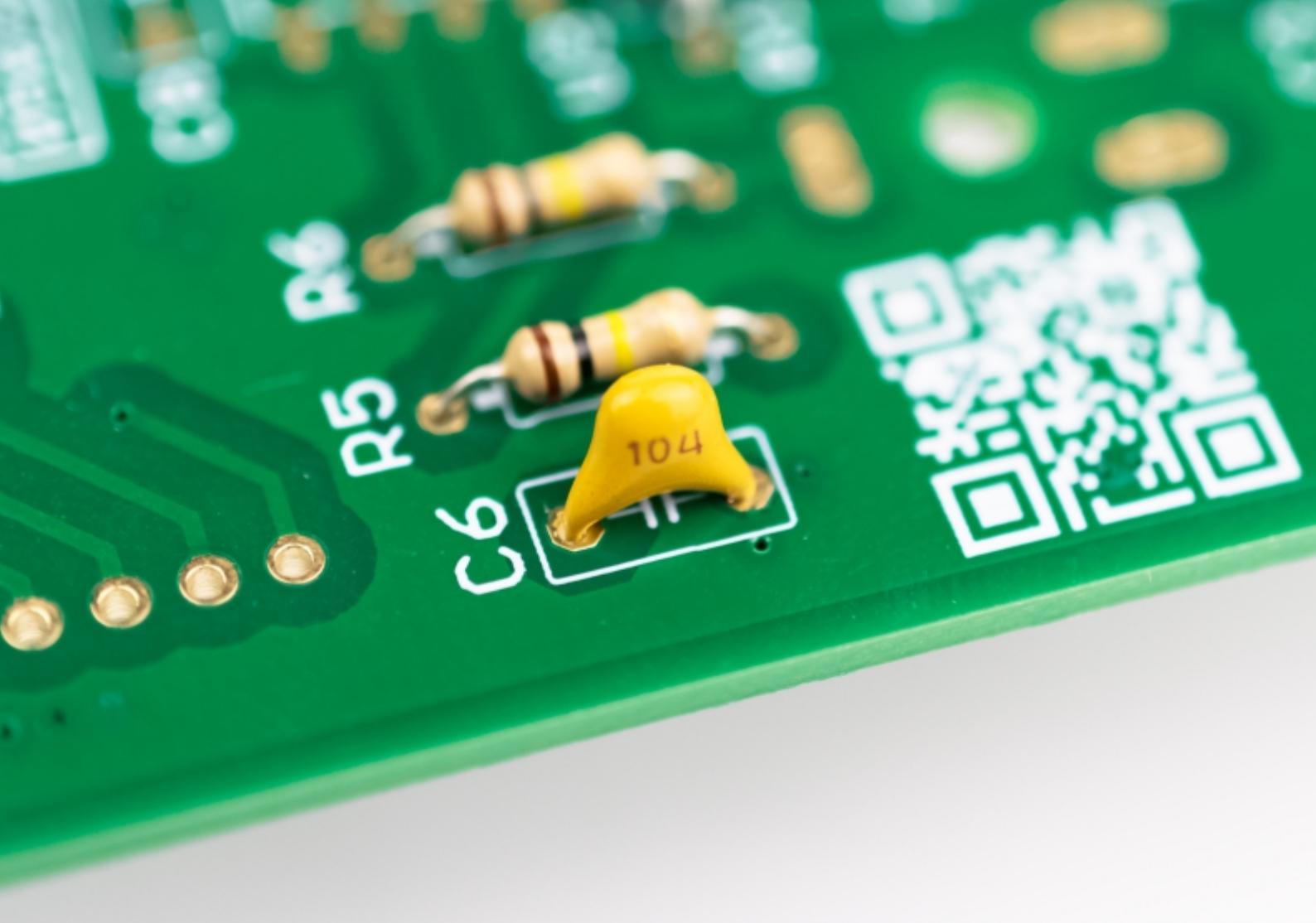


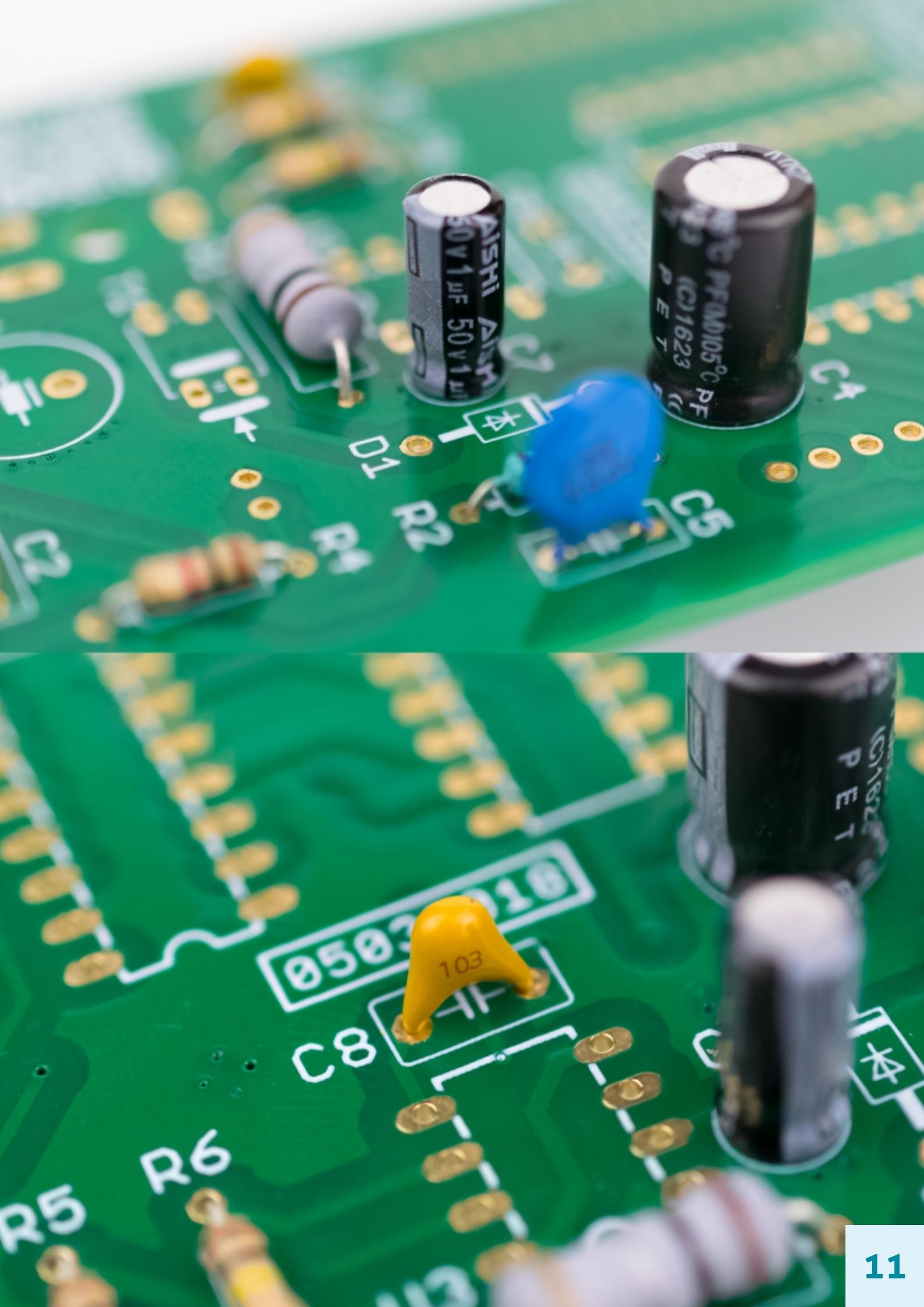


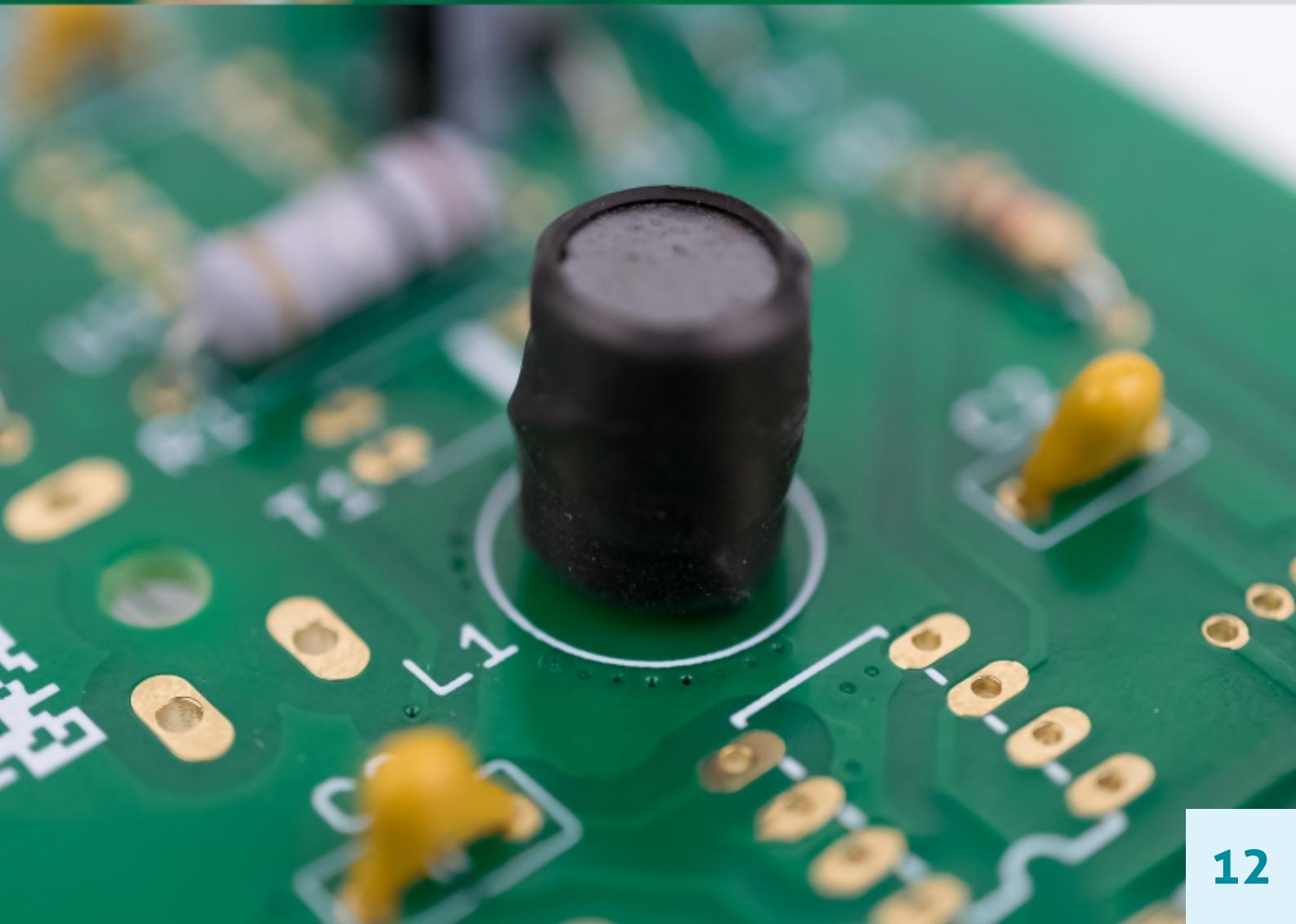
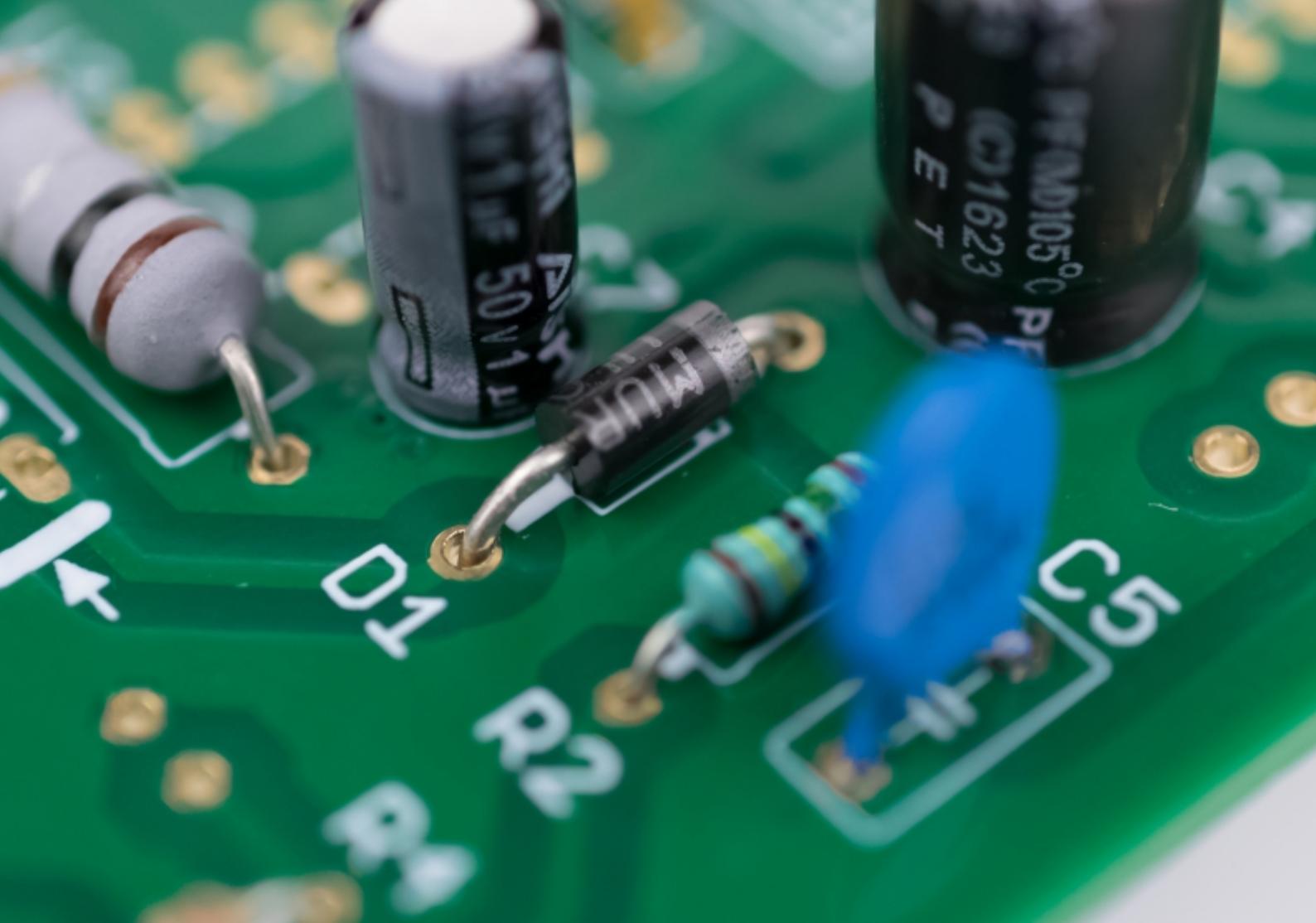


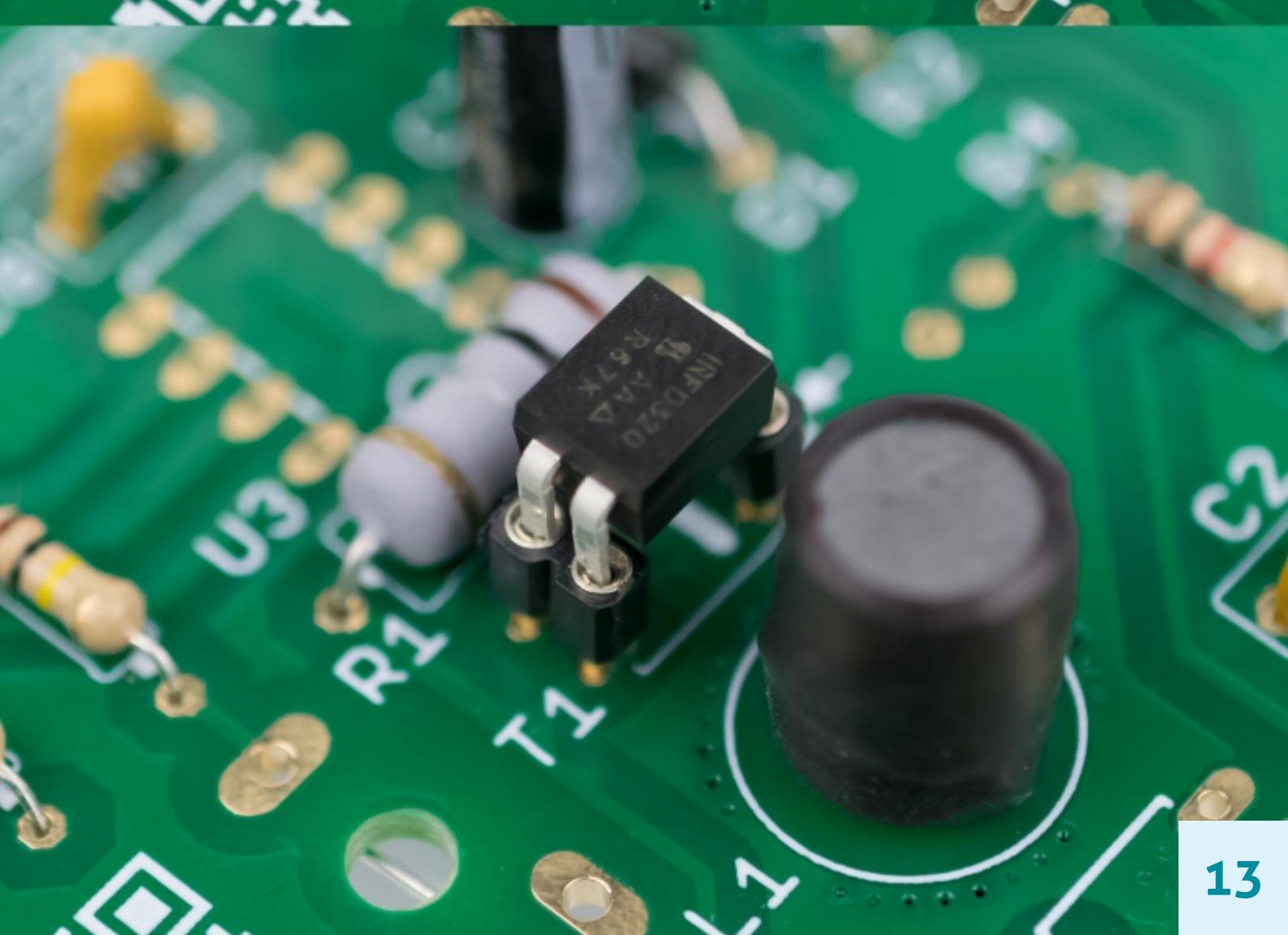
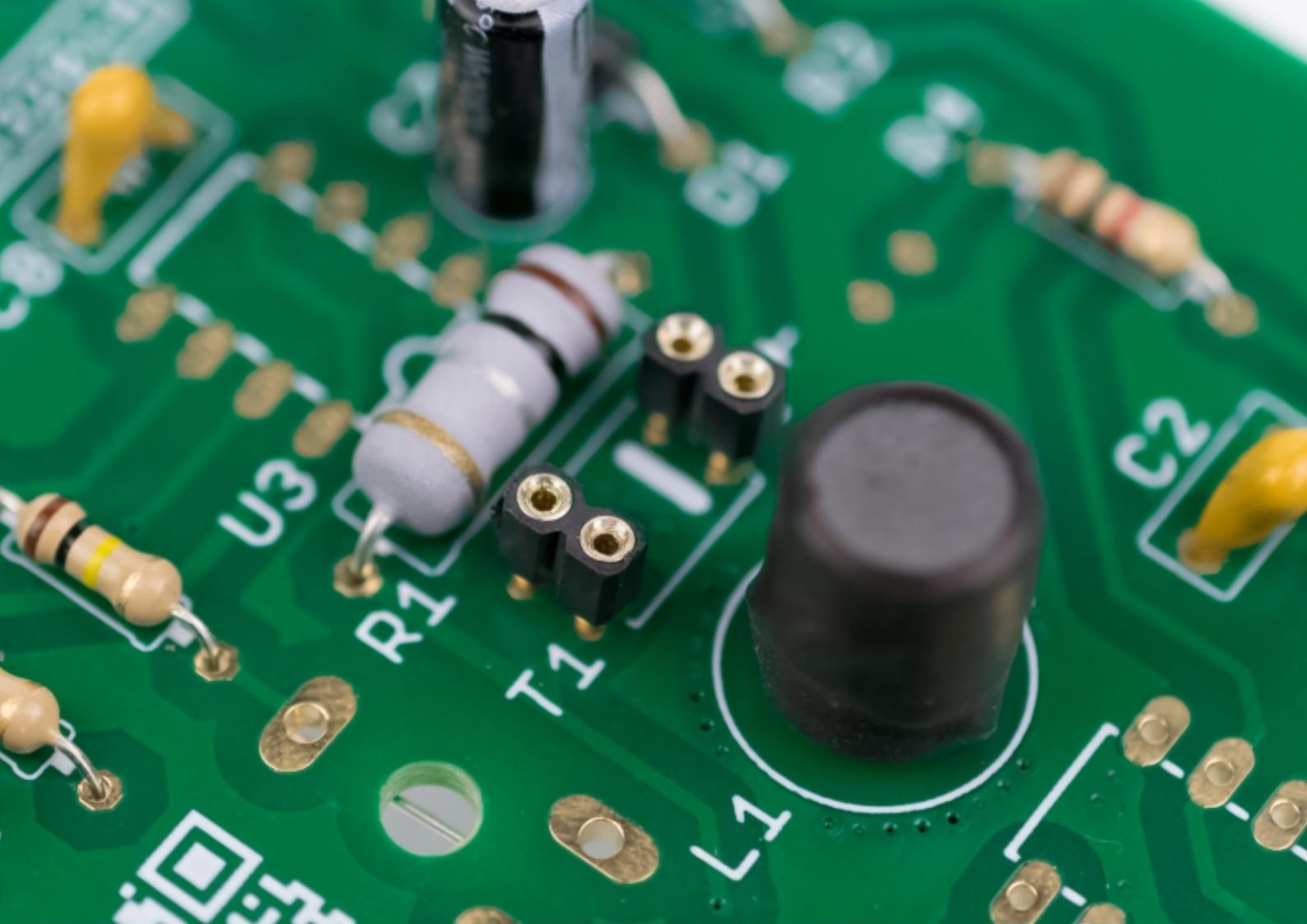


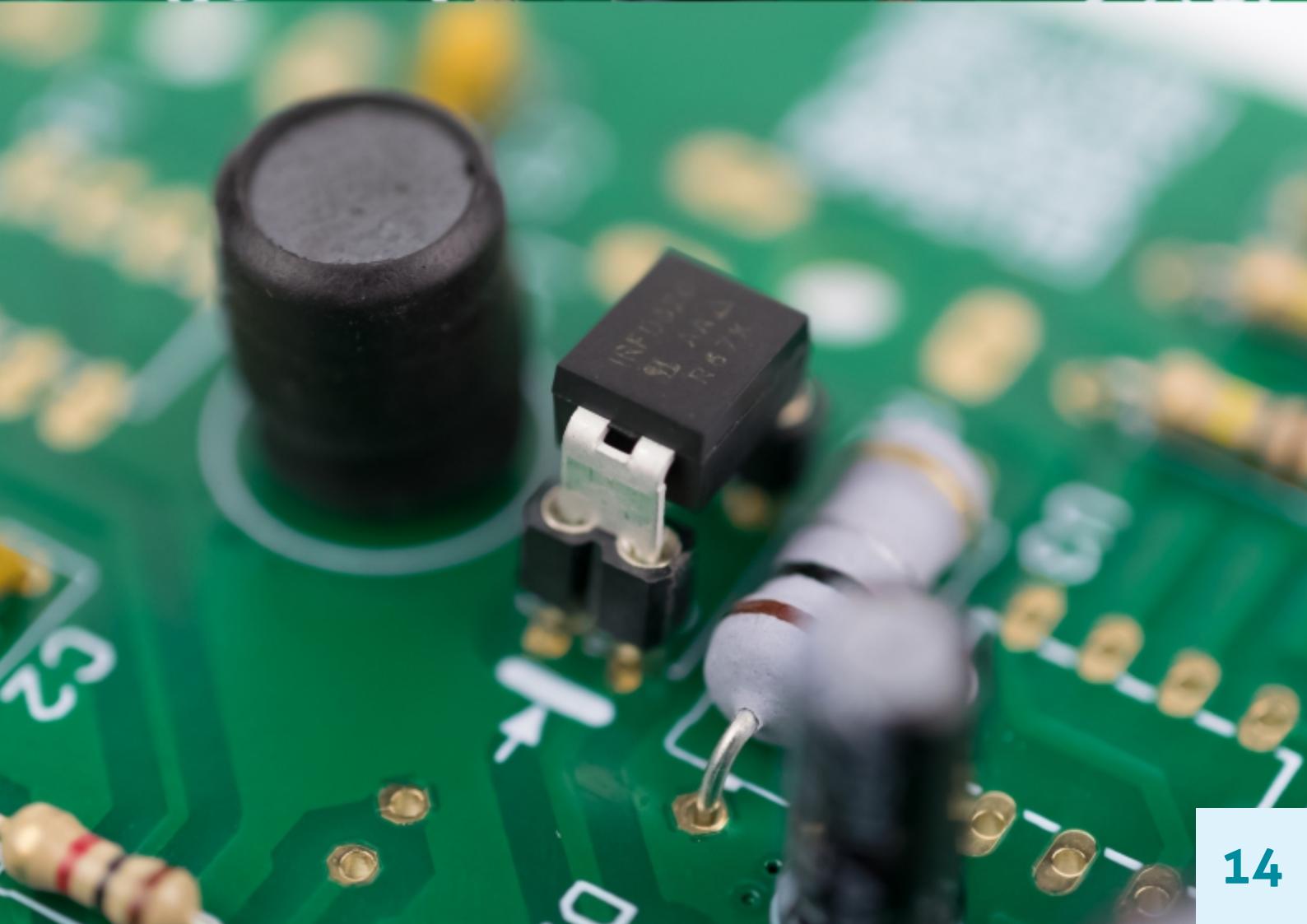
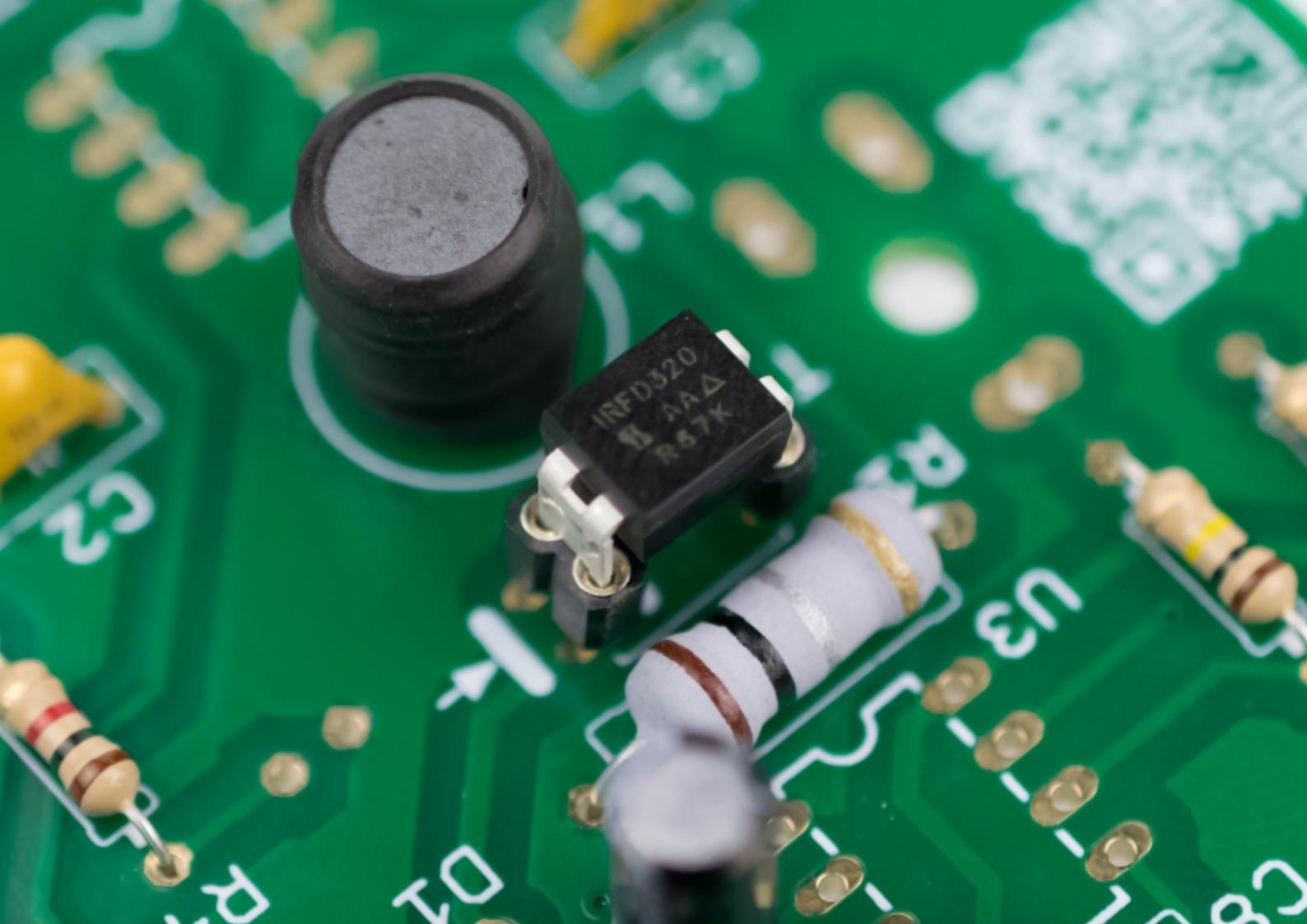


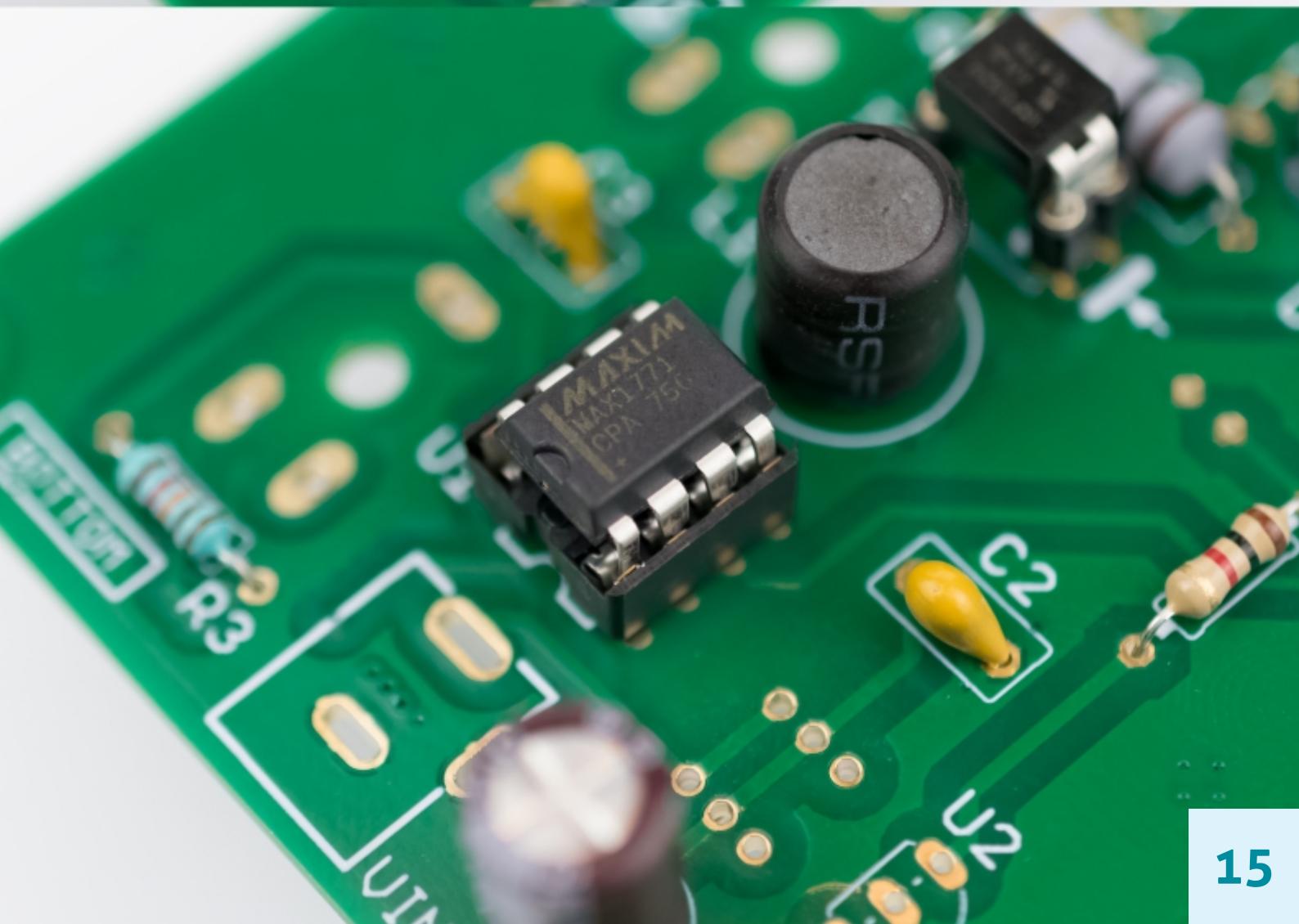
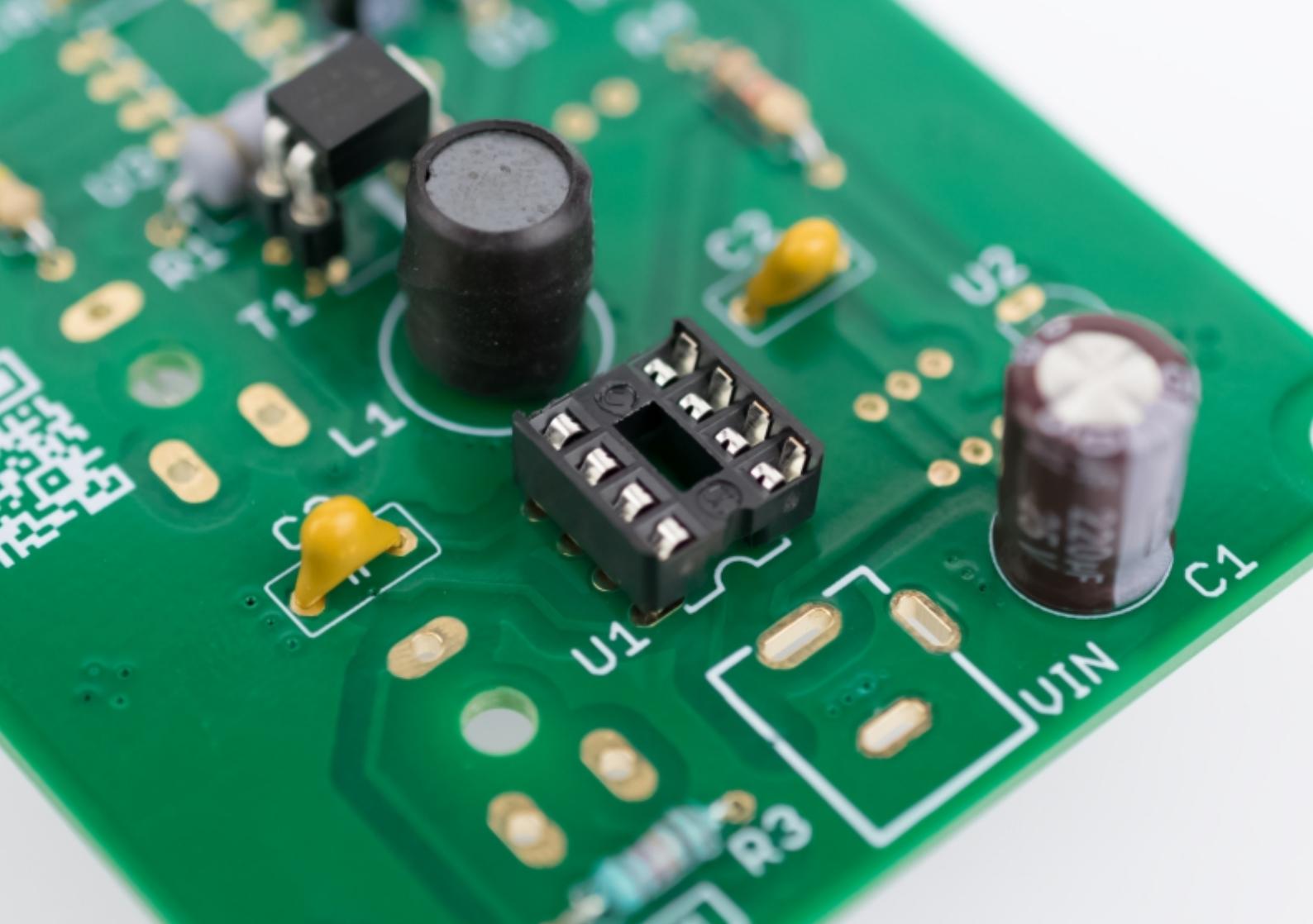


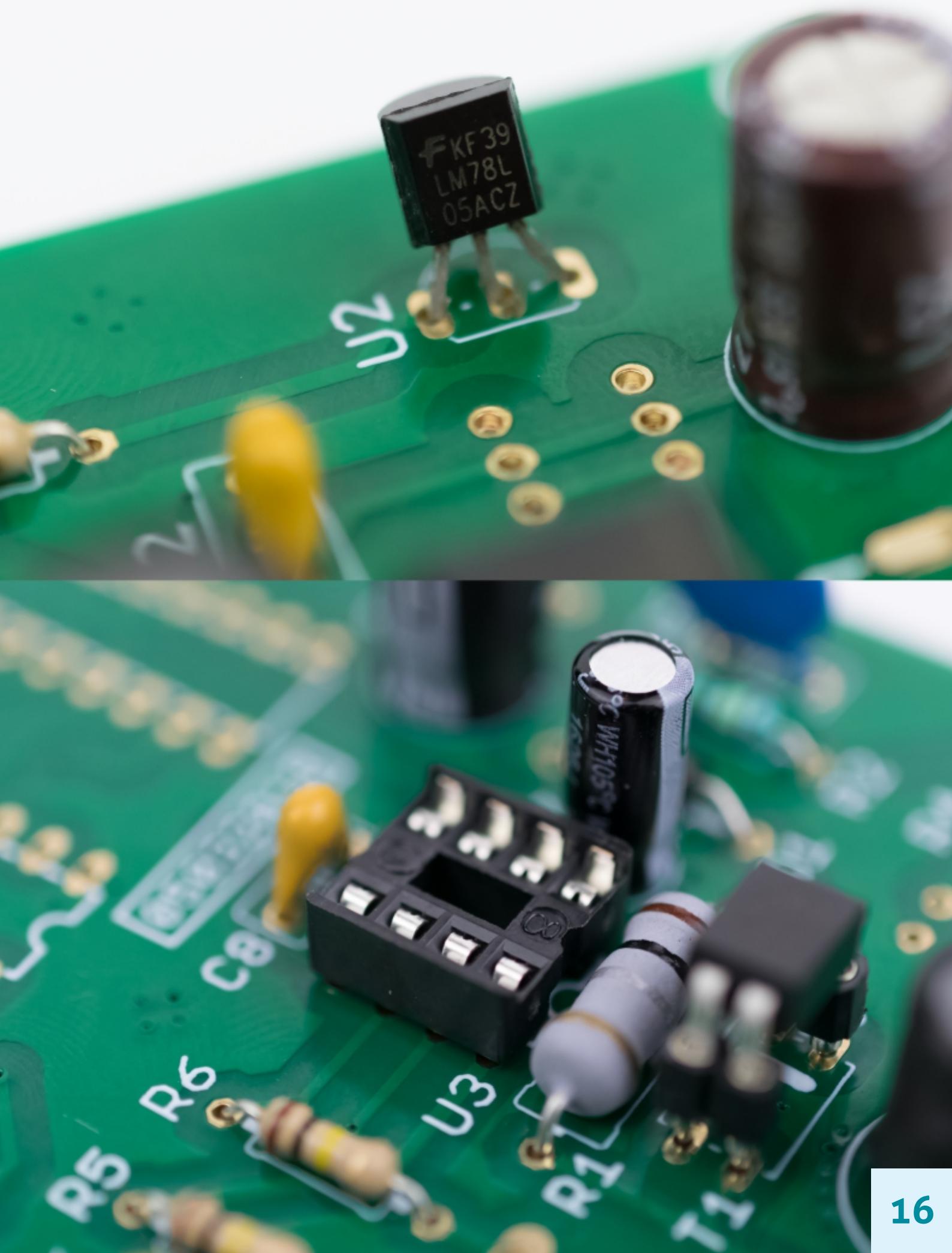


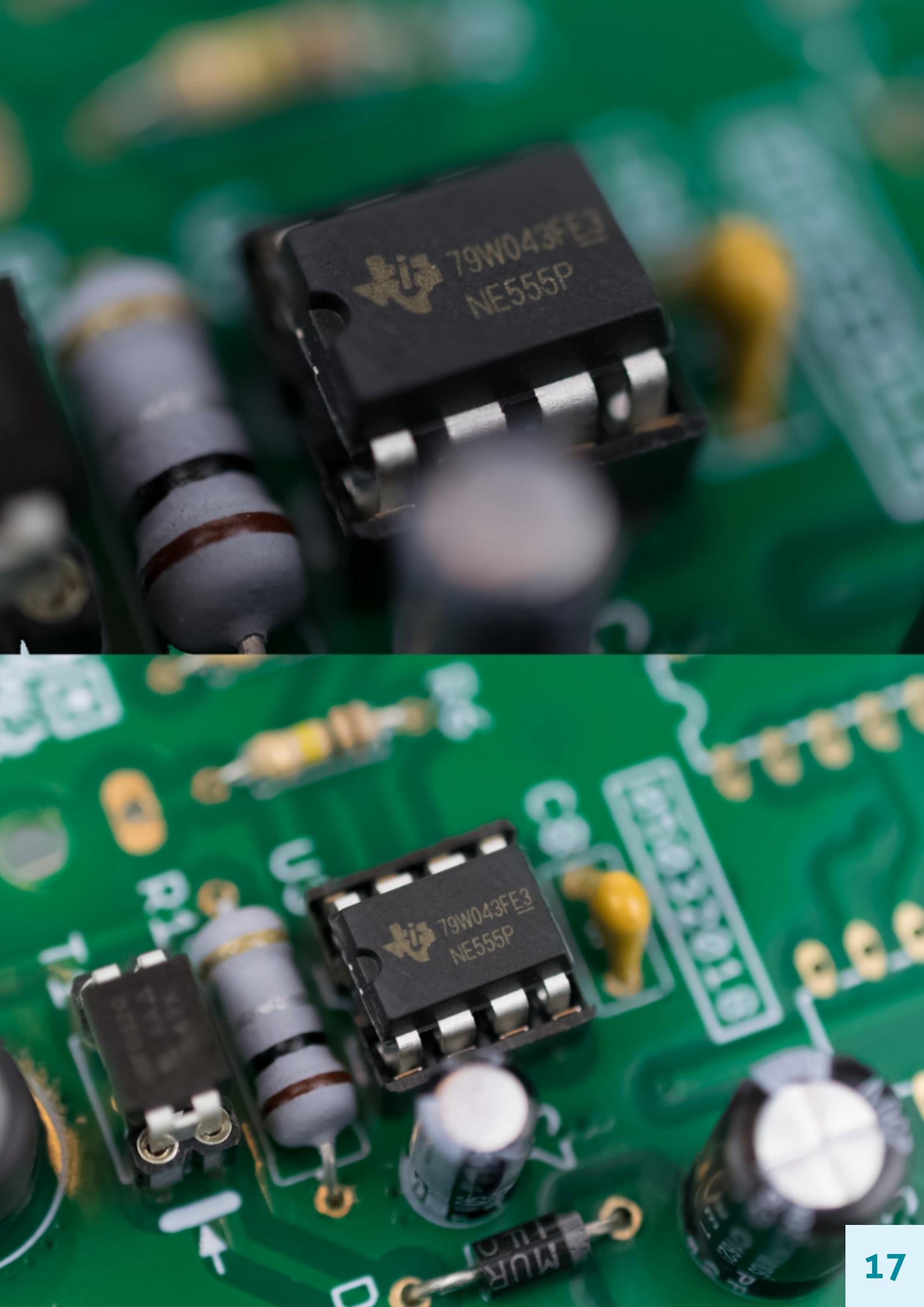


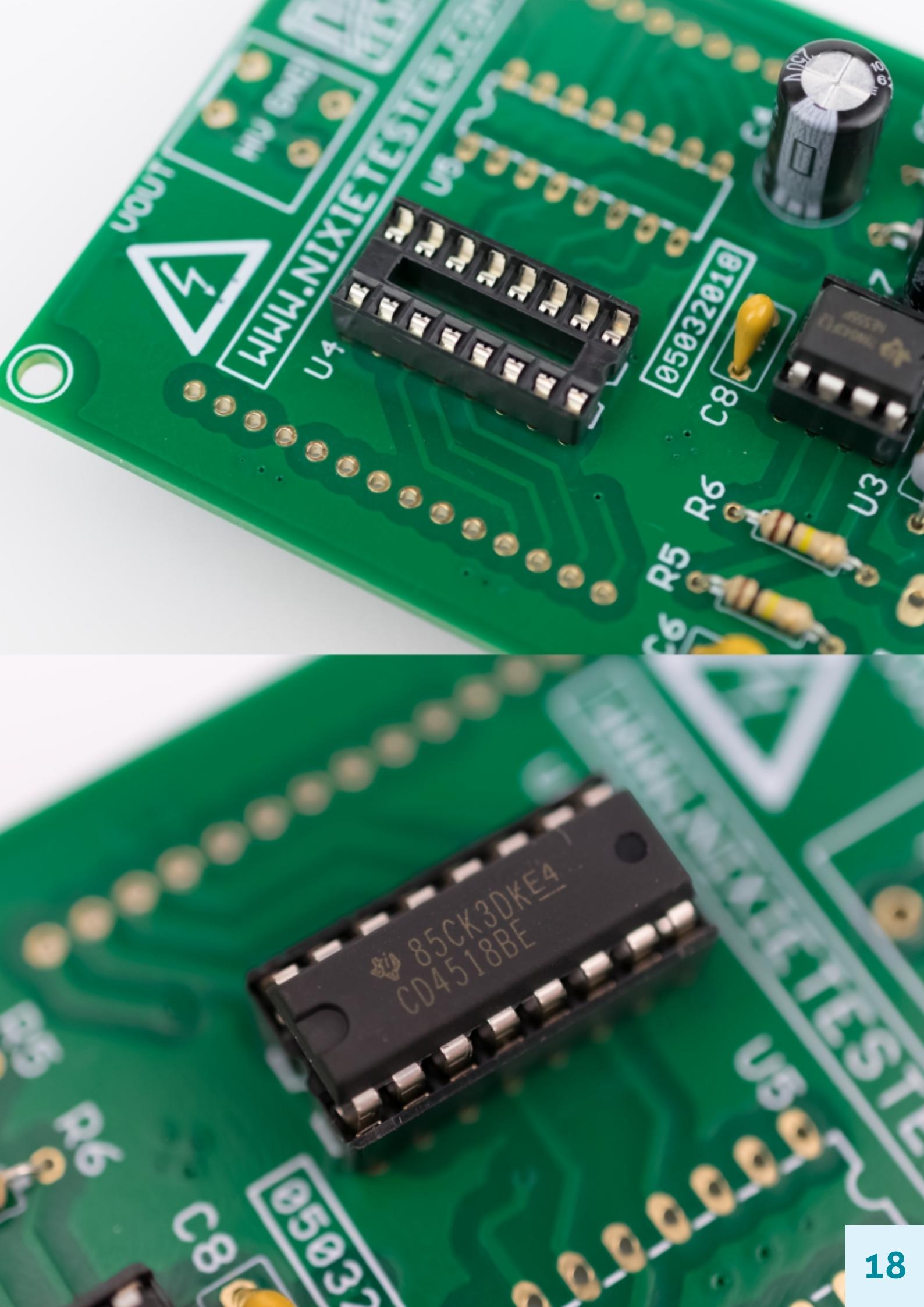


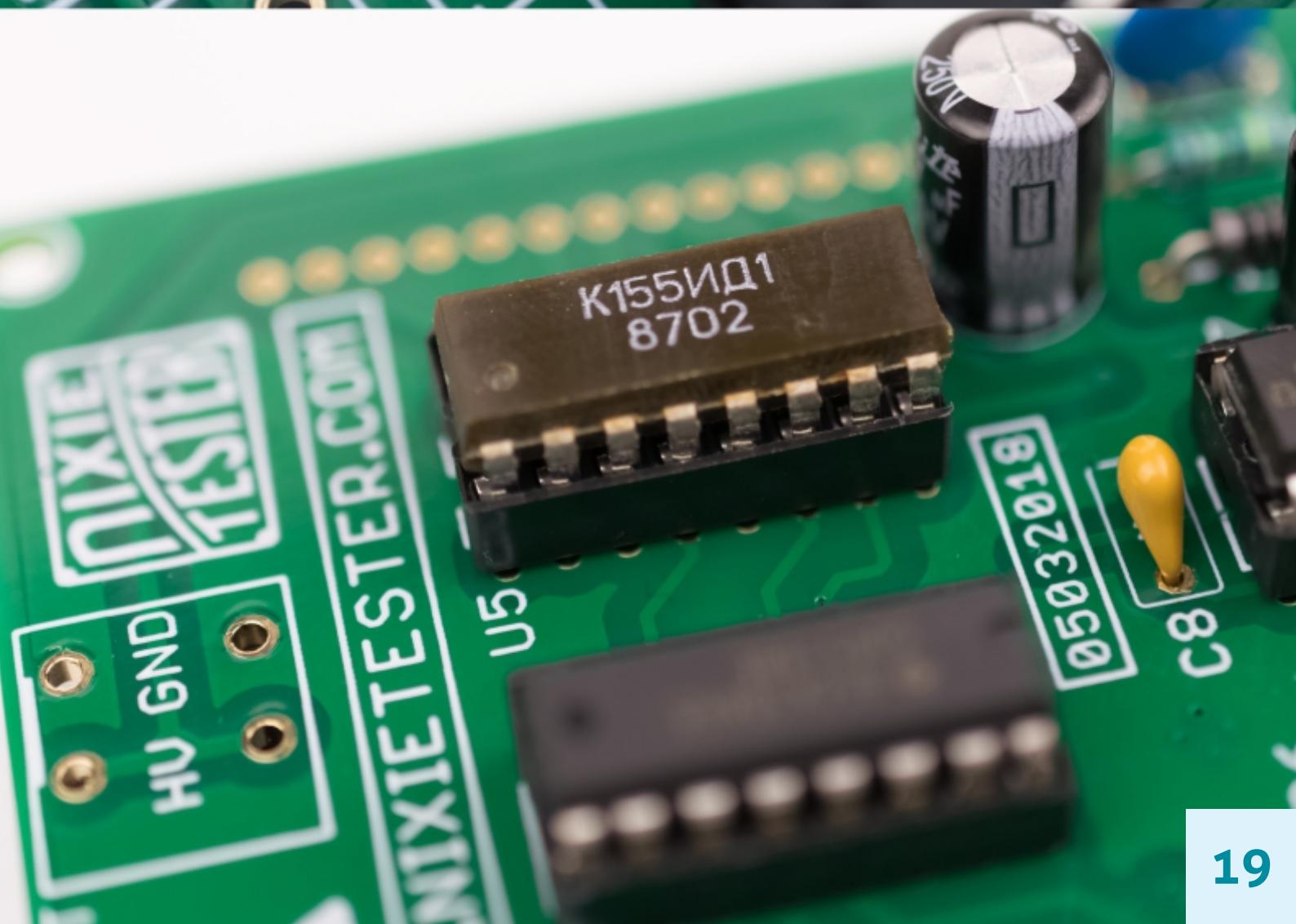
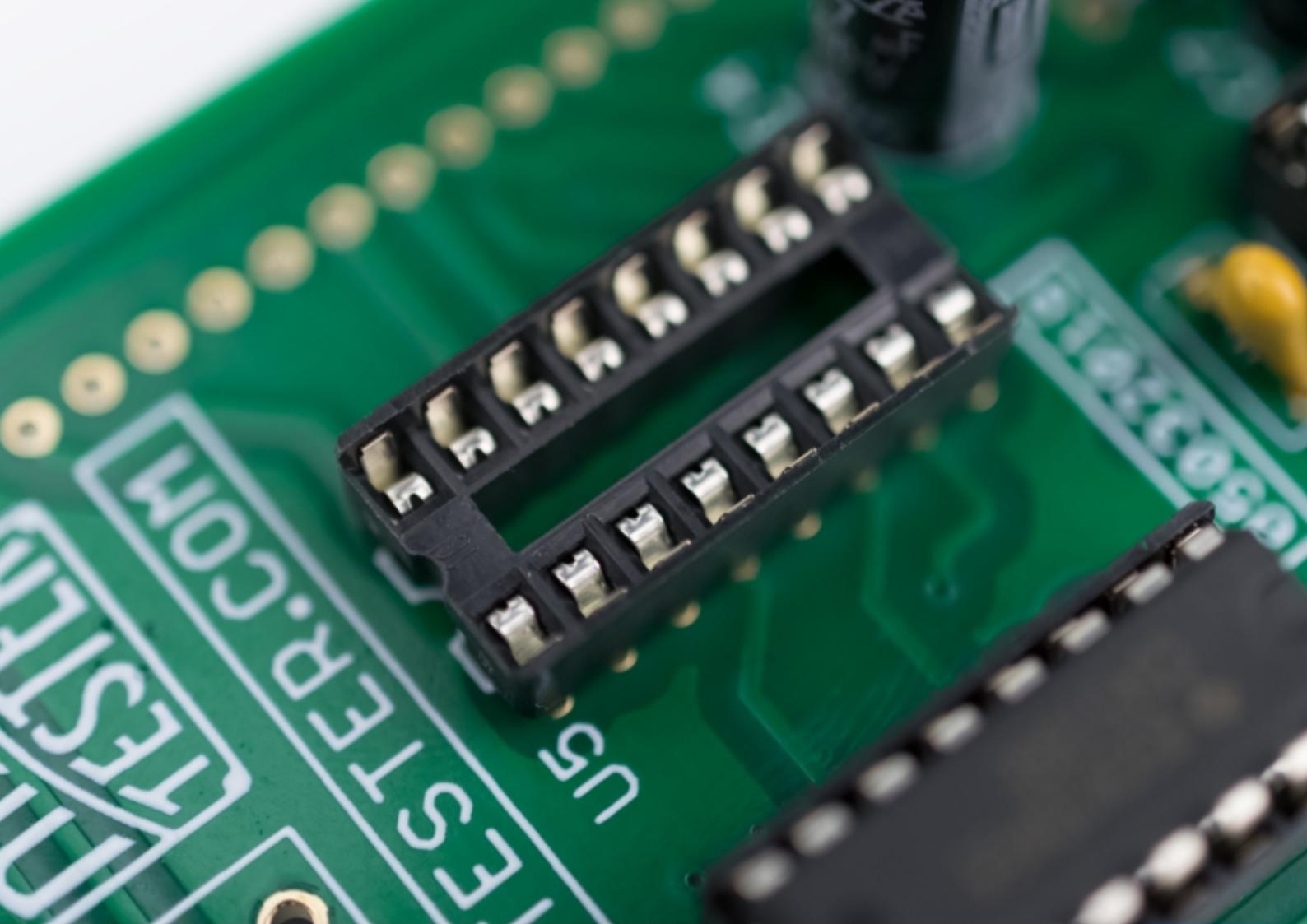


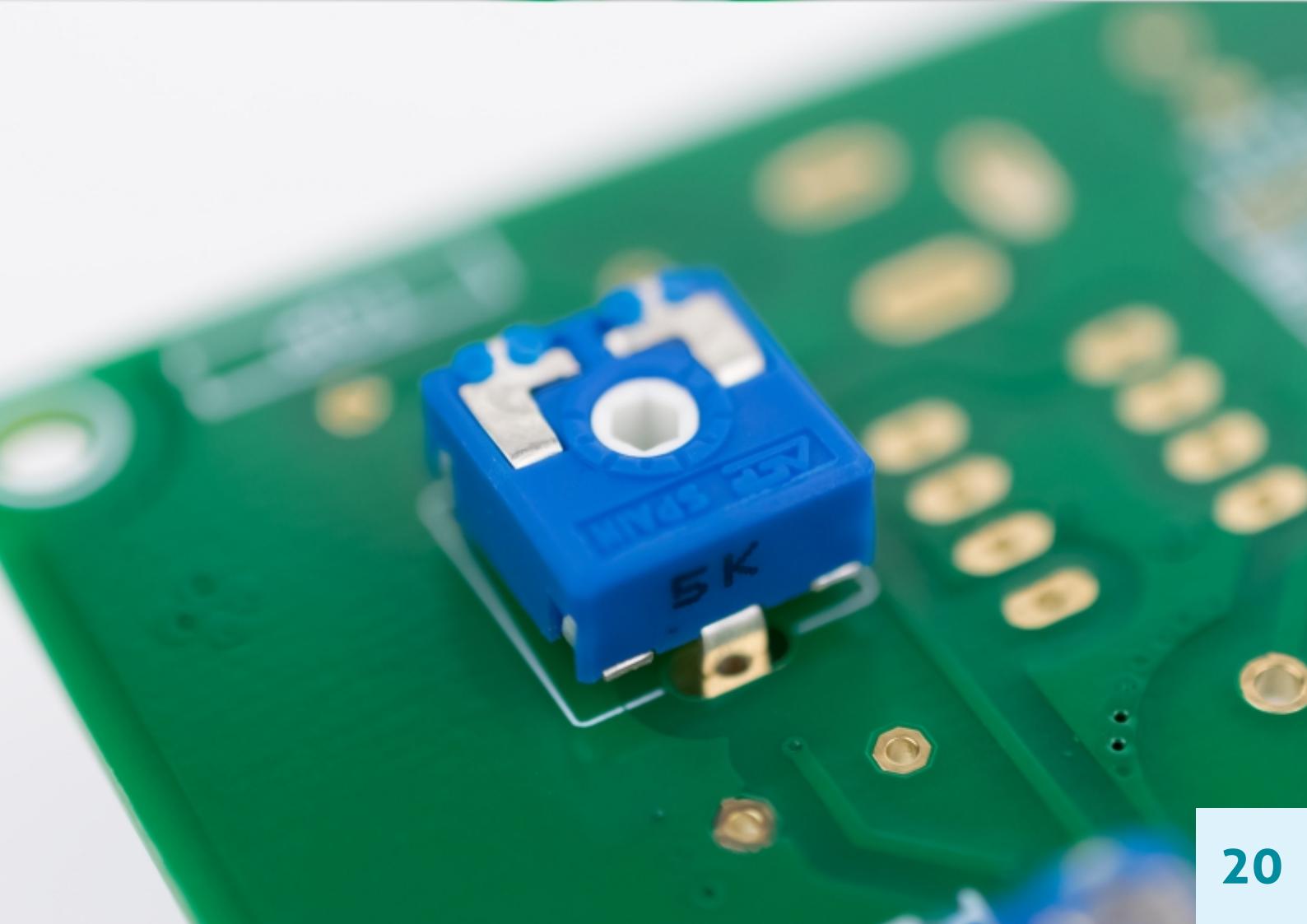
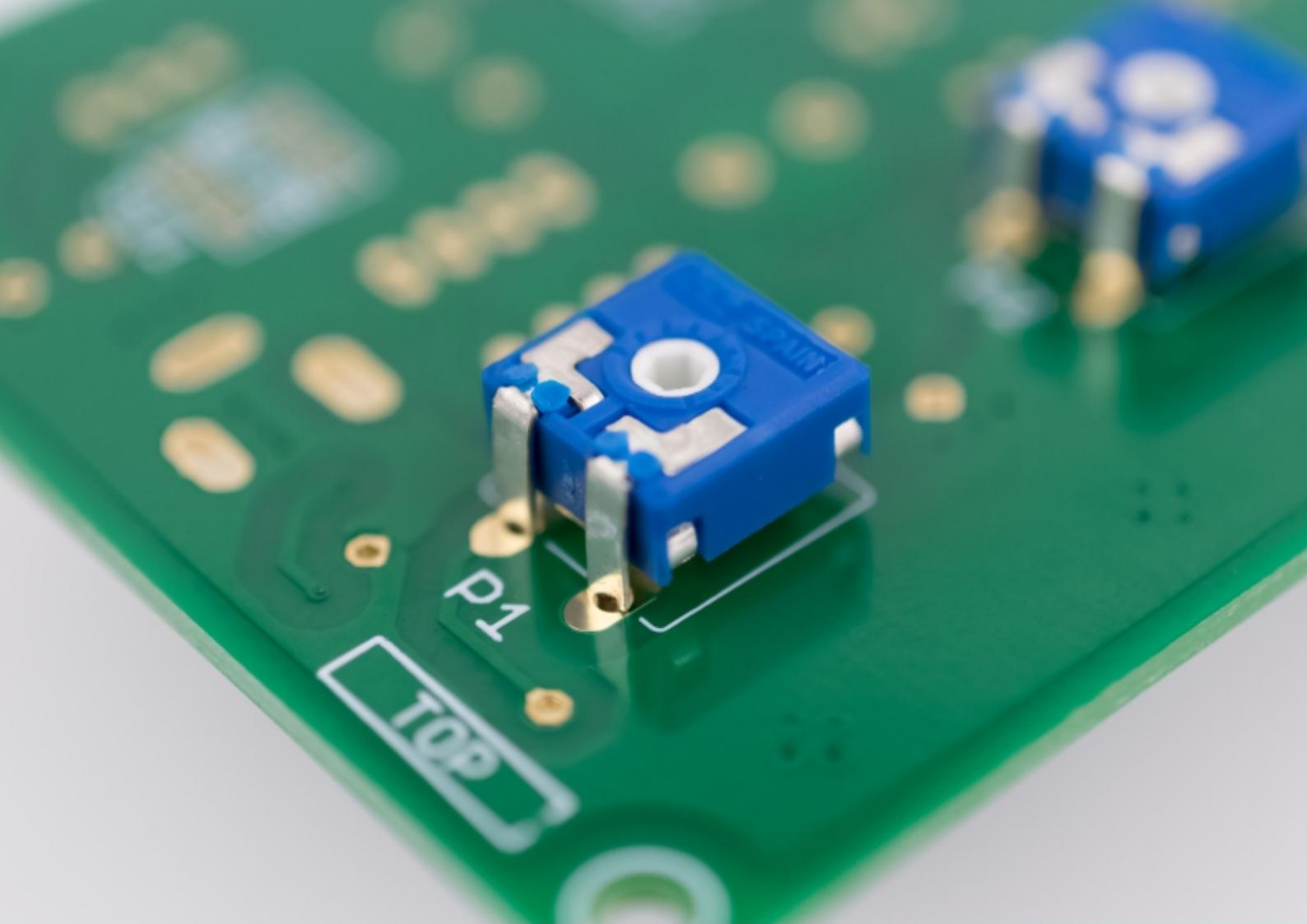


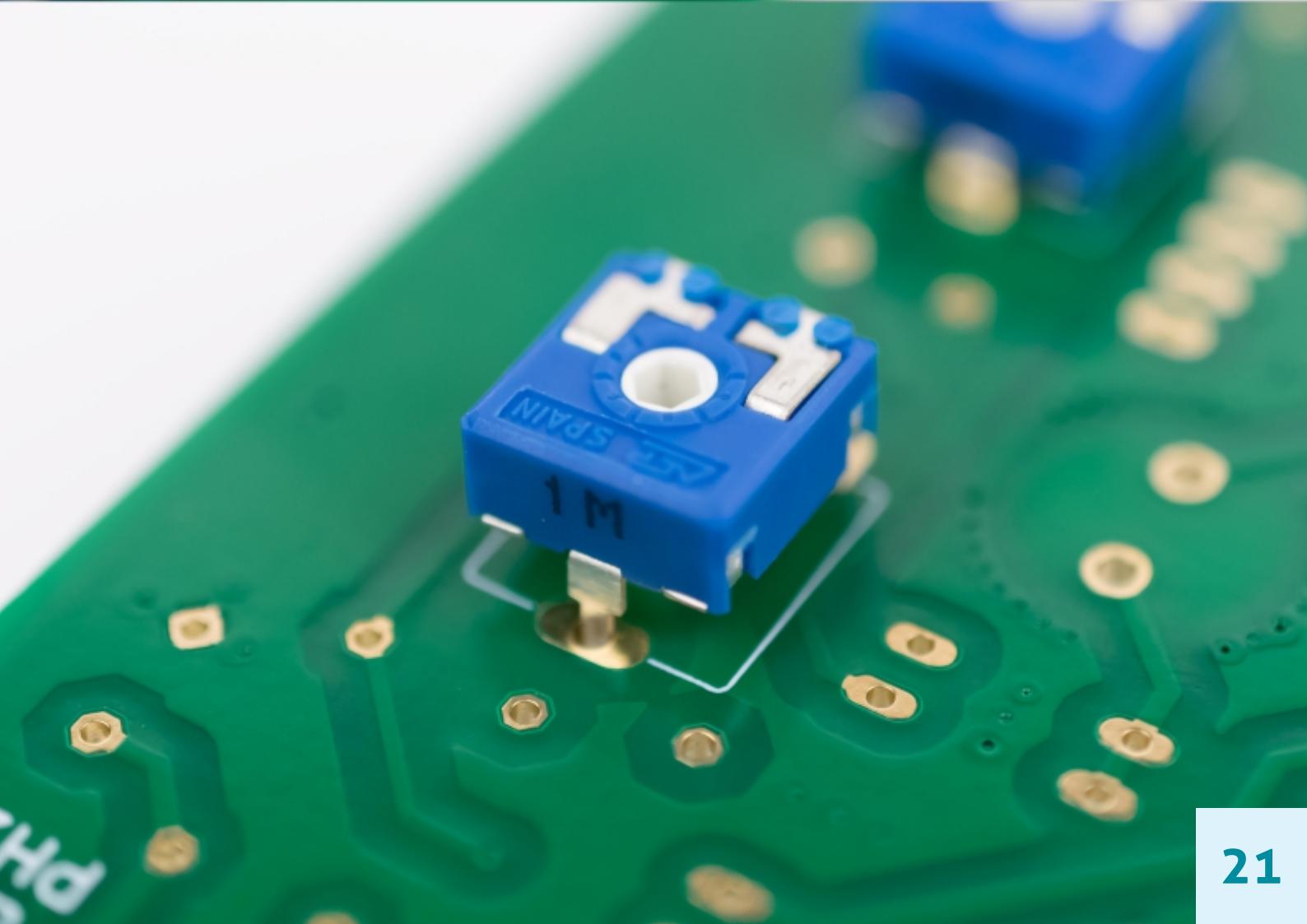
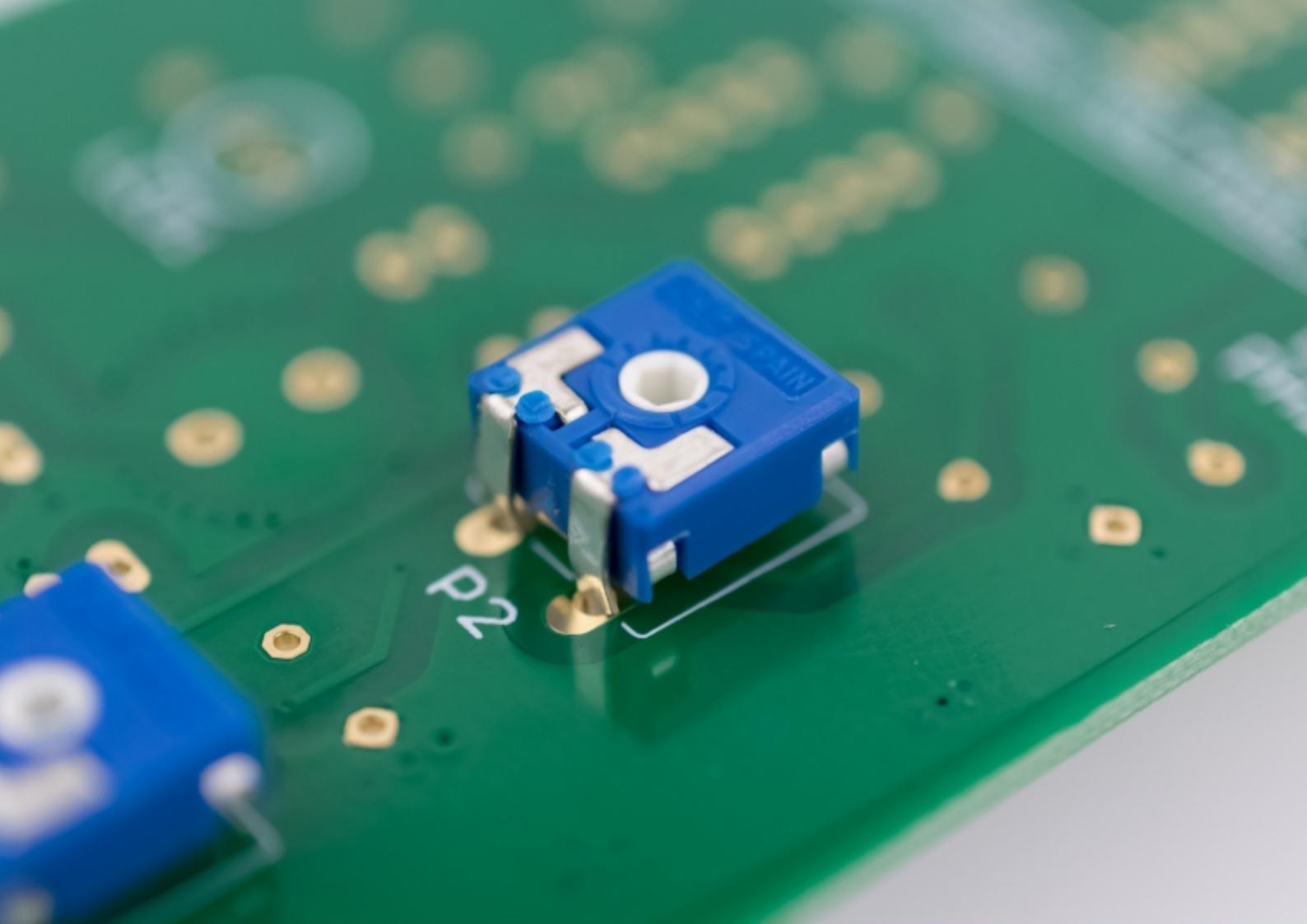


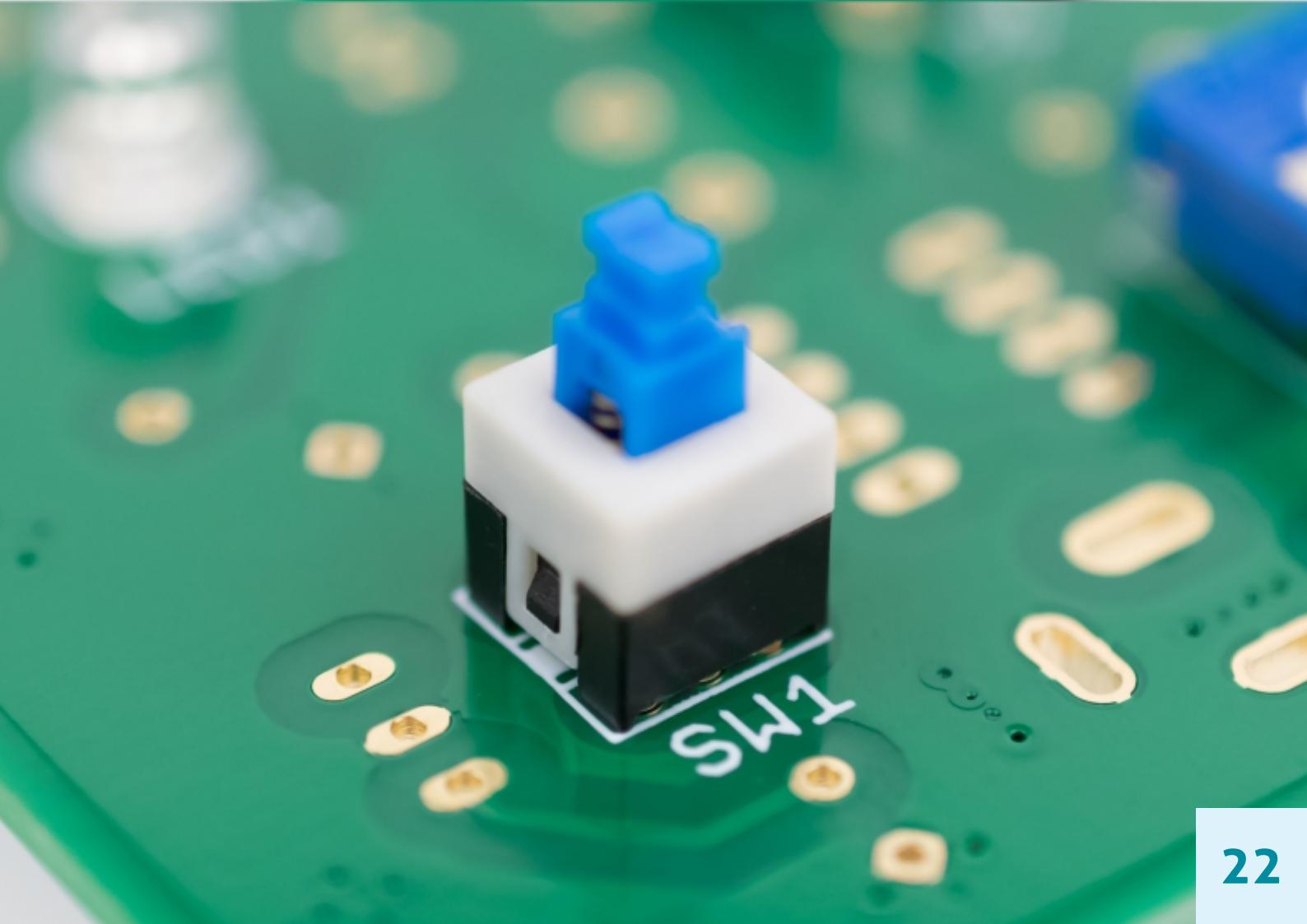


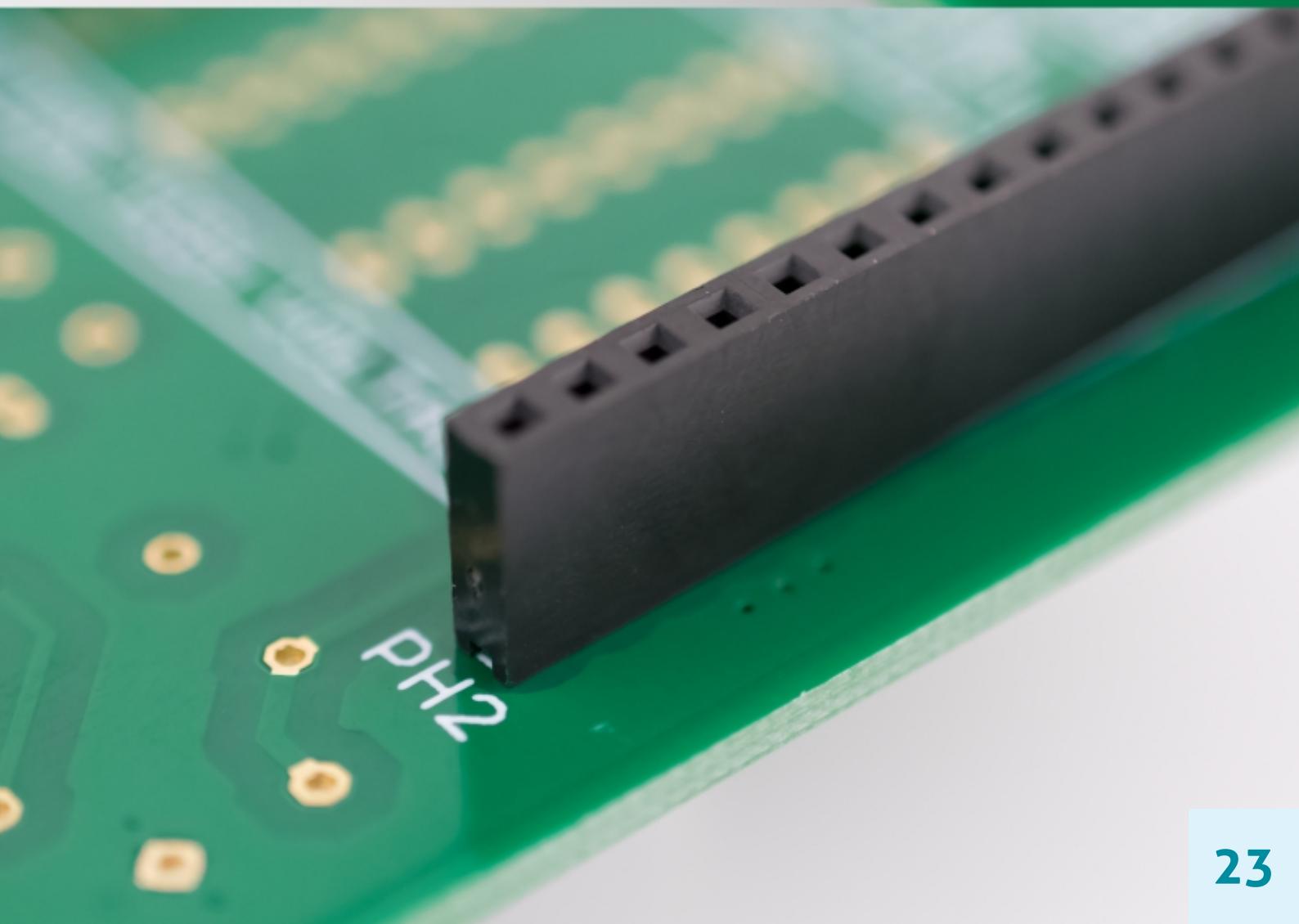
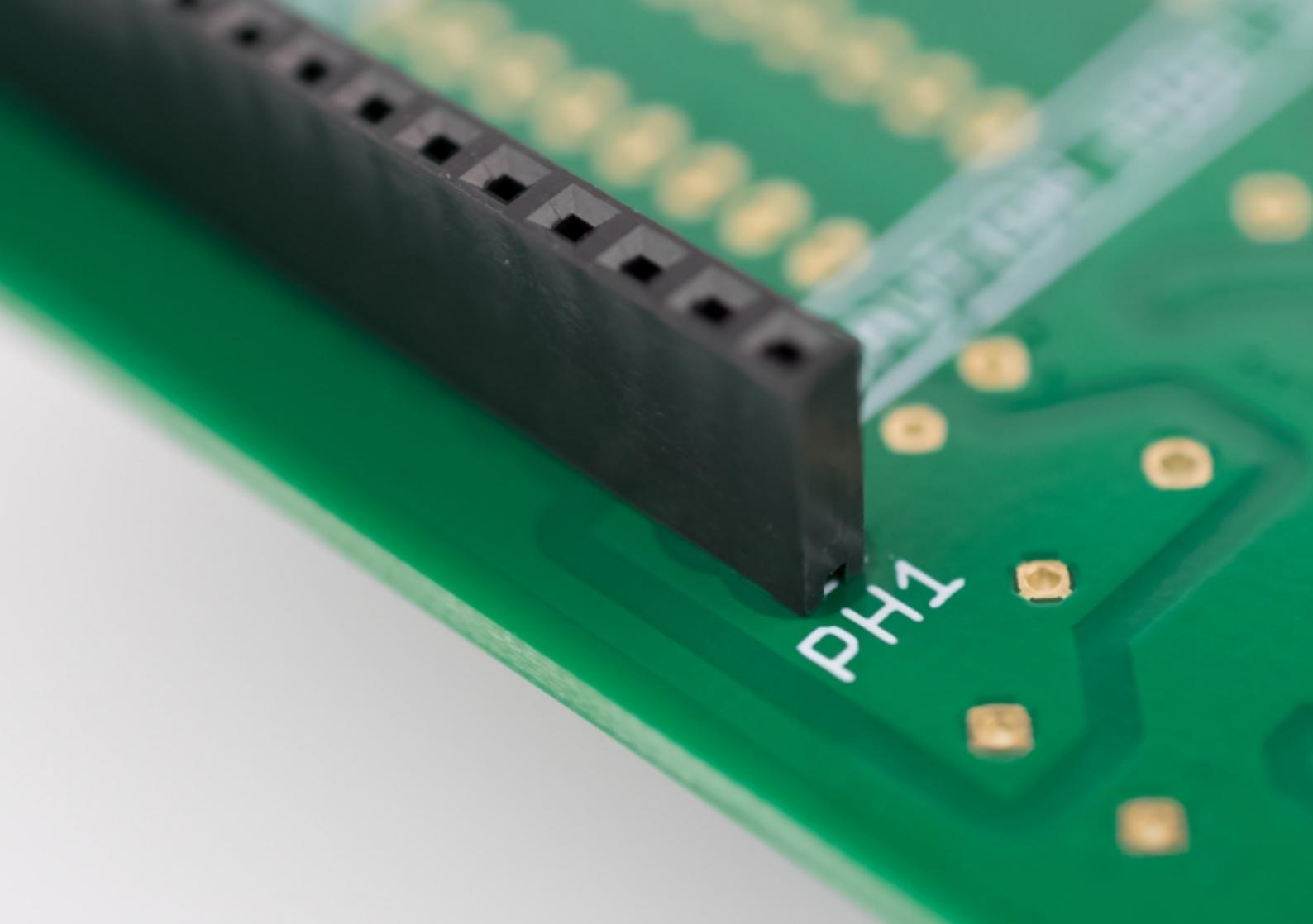




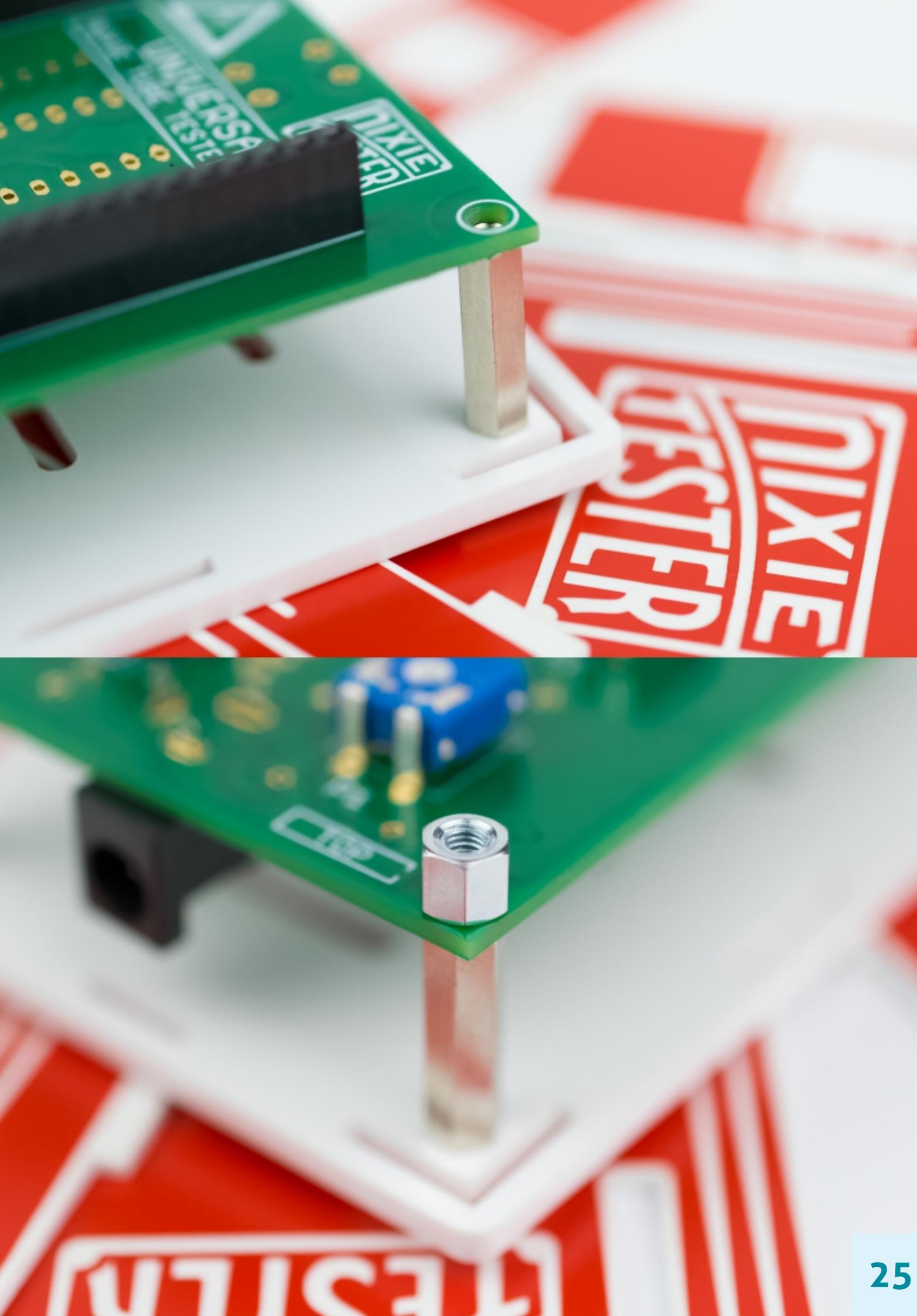


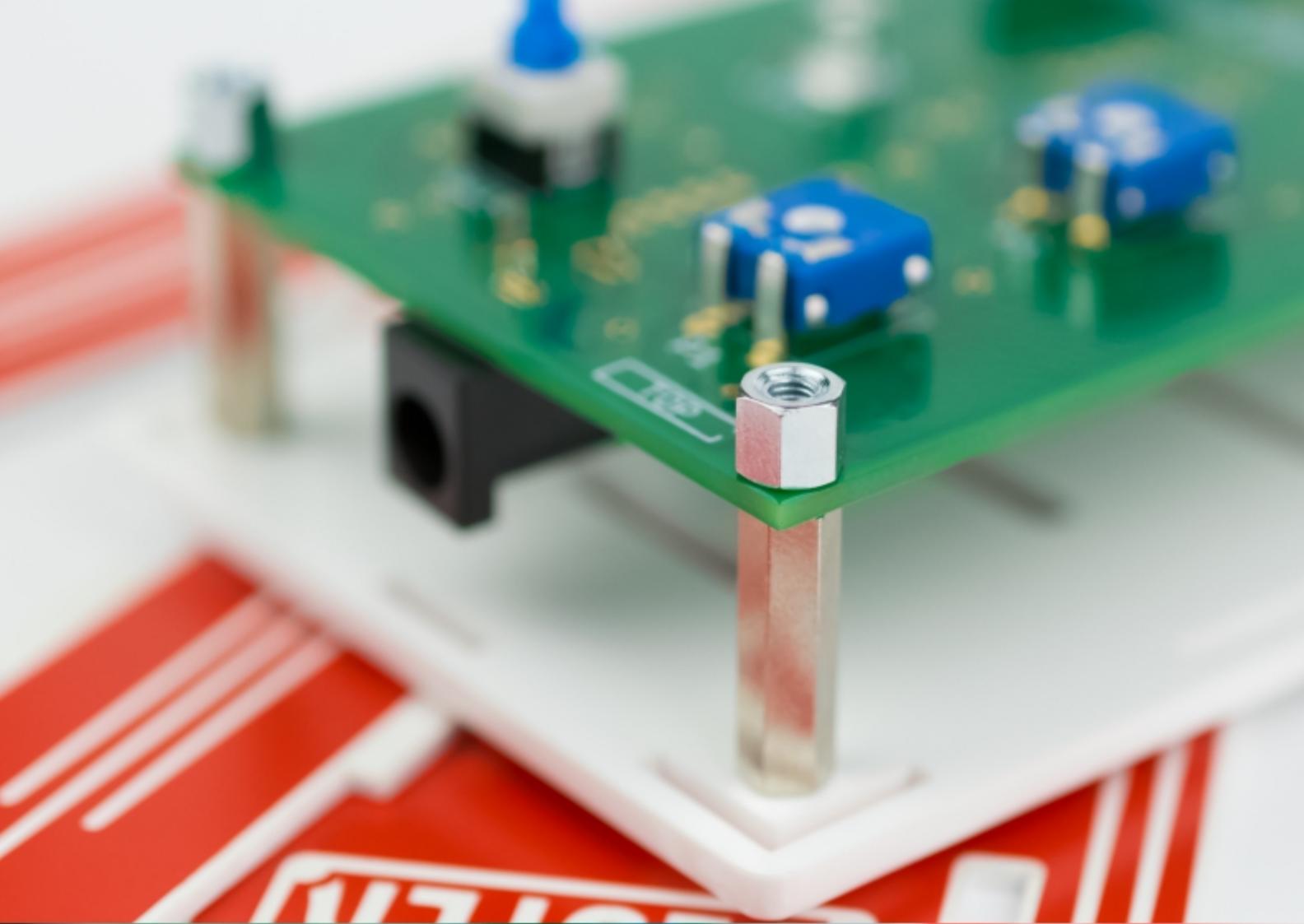




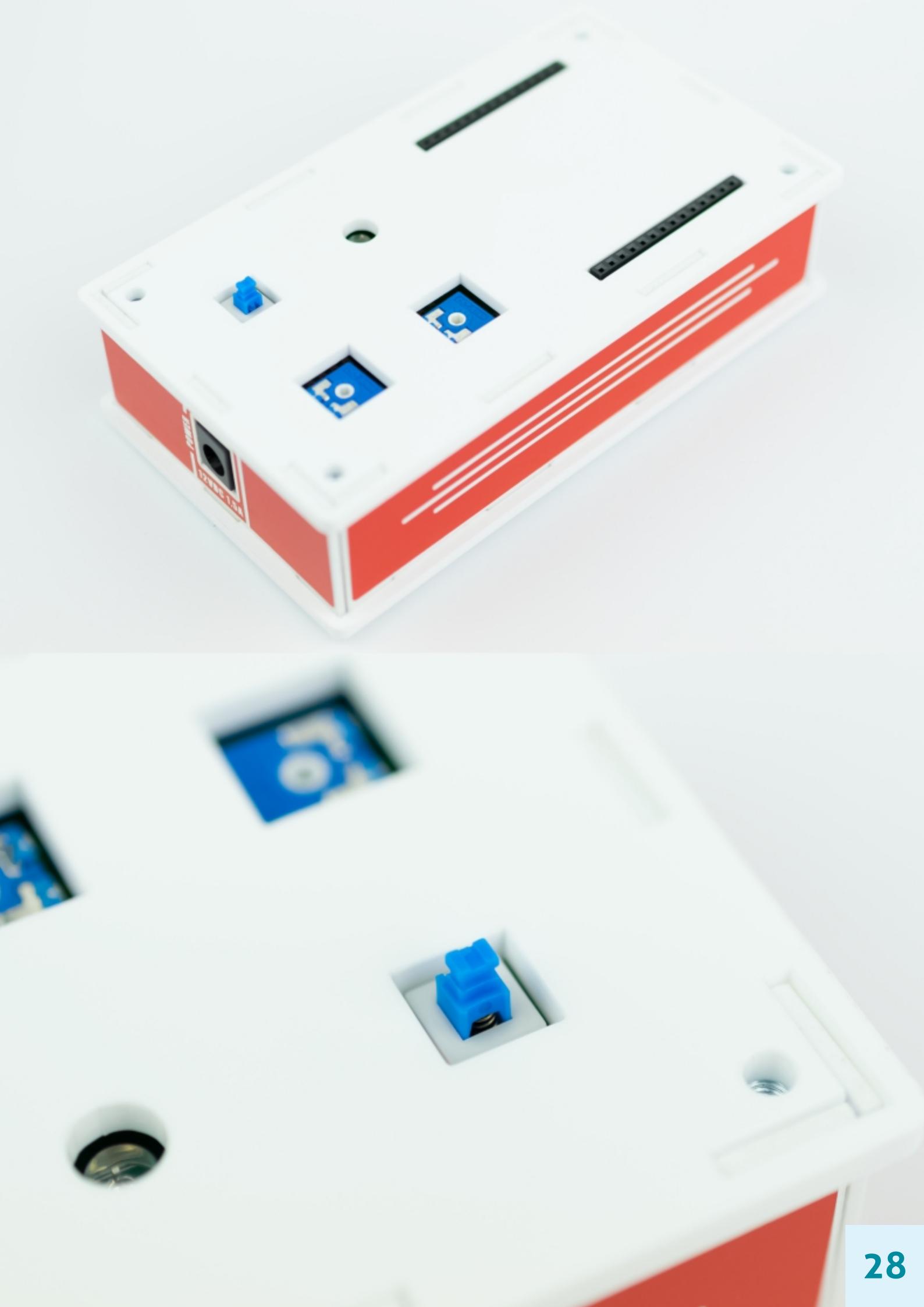




















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