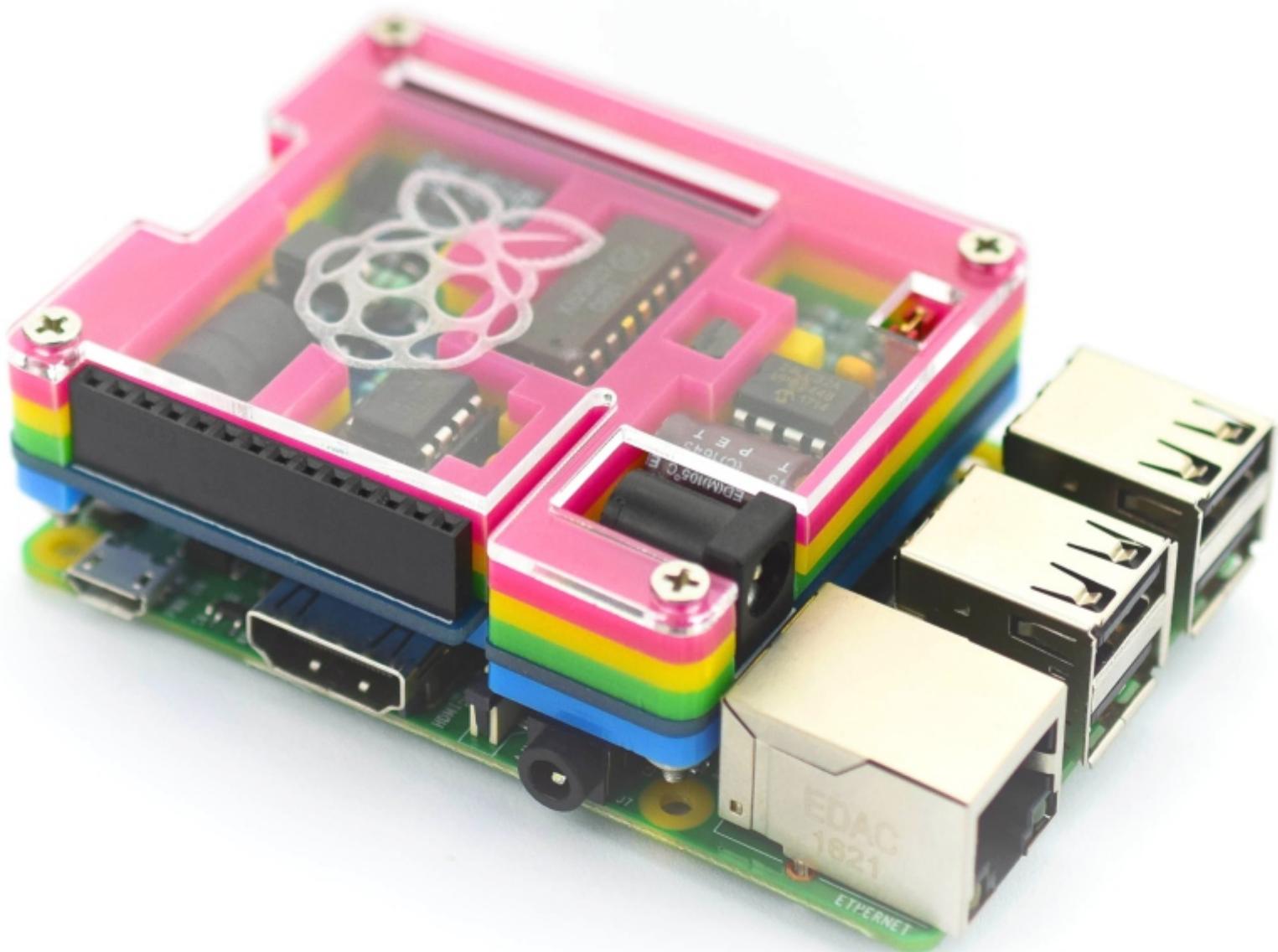


# NIXIE HAT FOR RASPBERRY PI

# ASSEMBLY INSTRUCTION

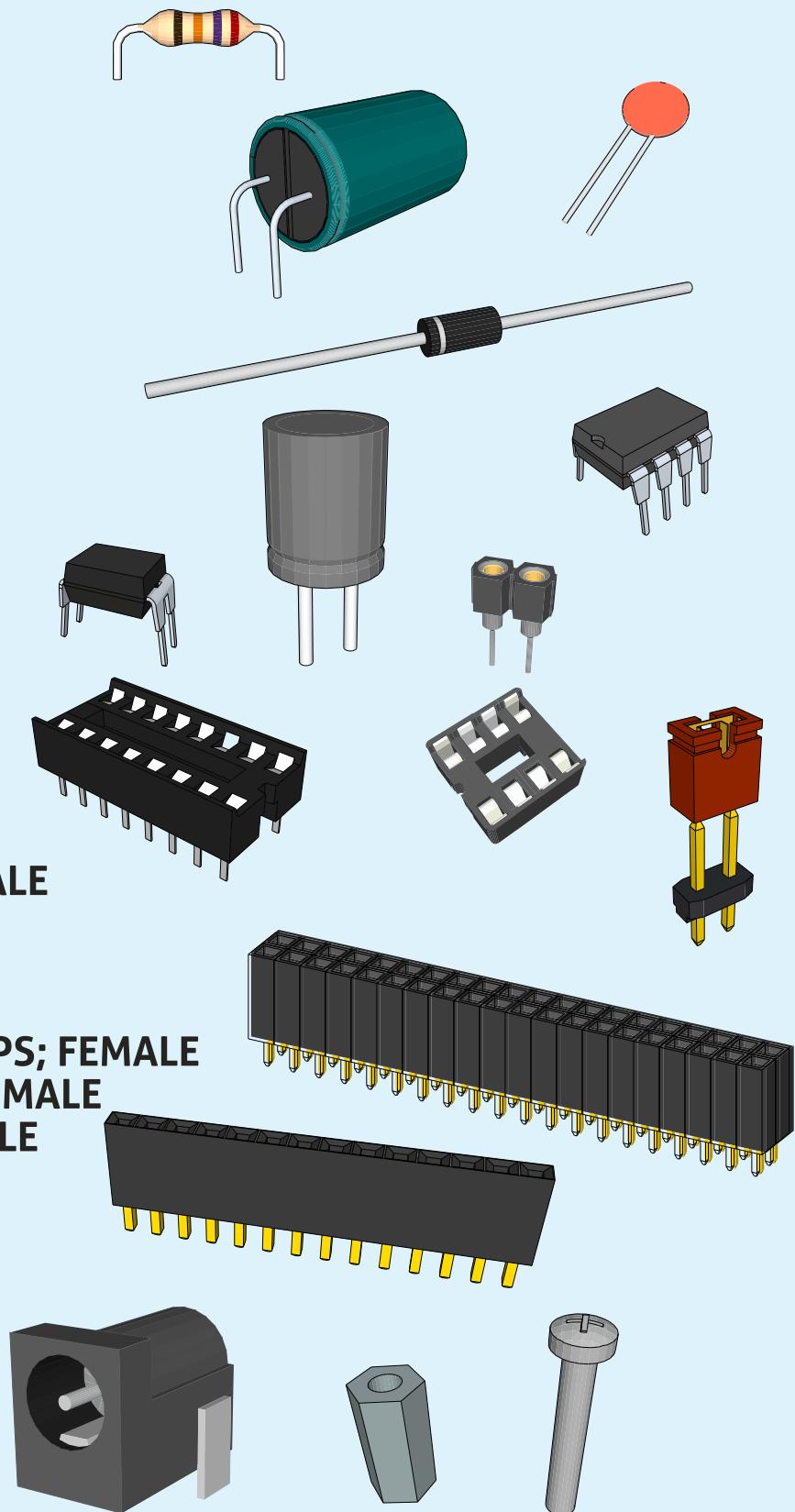


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# NIXIE HAT FOR RASPBERRY PI

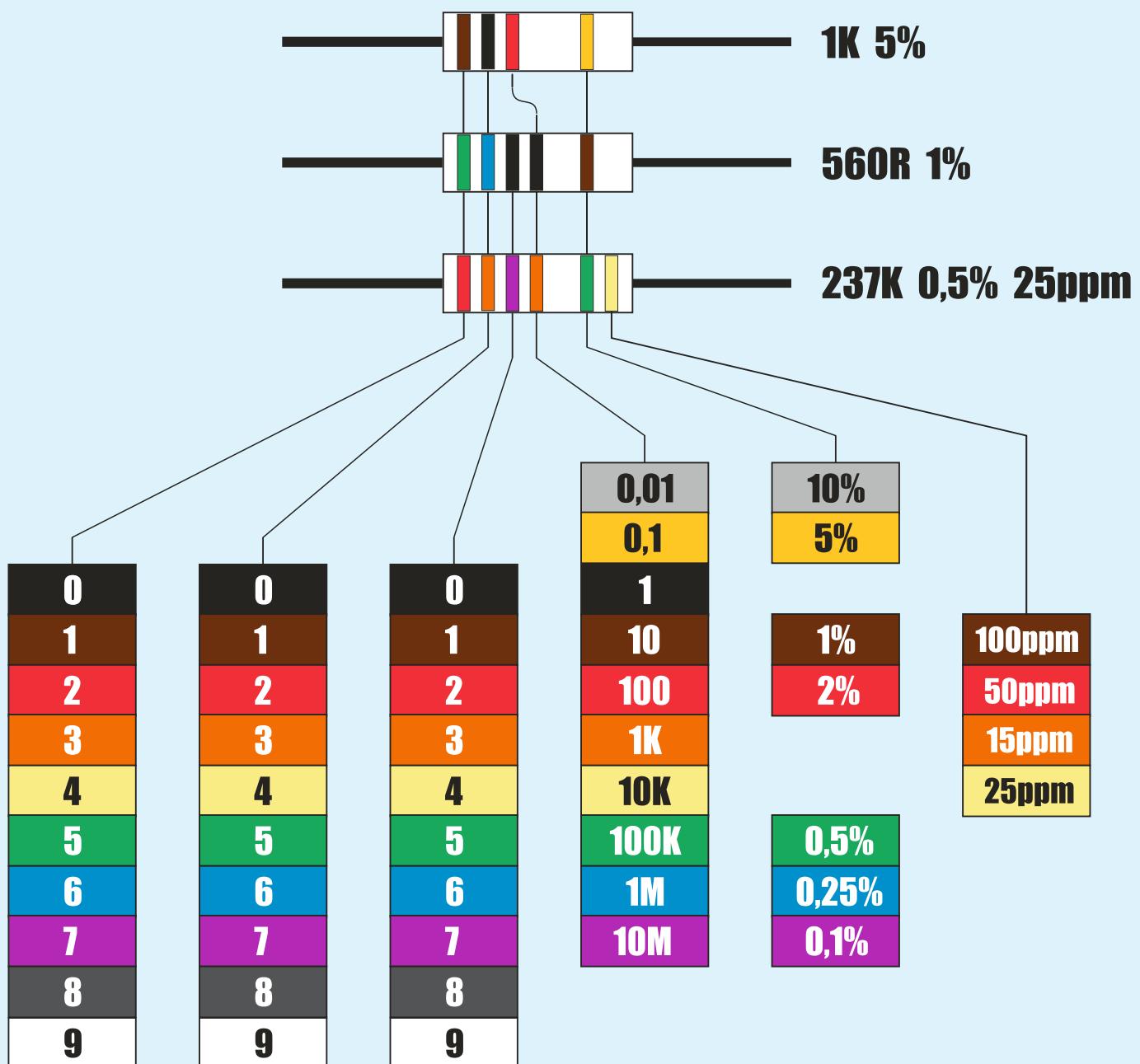
## COMPONENTS

- R1 - 0R100
- R2 - 1M5; 1%
- R3 - 13K3; 1%
- R4, R5, R6 - 3K9
  
- C1 - 220uF; 25V
- C2, C3, C6 - 100nF
- C4 - 4.7uF; 250V
- C5 - 100nF; >200V
  
- D1 - MUR140/160/1100
  
- L1 - 100uH; 1.7A
  
- T1 - IRFD320
- U1 - MAX1771
- U2 - 74141/155ID1
- U3 - 24LX32
- U4 - 7805
  
- T1 SOCKET - 2 x PIN2; FEMALE
- U1, U3 SOCKET - DIL8
- U2 SOCKET - DIL16
  
- PH1, PH2 - 1 x 14; PIN STRIPS; FEMALE
- PH3 - 2 x 20; PIN STRIPS; FEMALE
- CFG - 1 X 2; PIN STRIPS; MALE
- CFG - 1 X 2; JUMPER
  
- SCREW - 4 x M2.5; 20mm
- SPACER - 4 x M2.5; 8mm
  
- VIN - POWER INPUT
- PCB
- ENCLOSURE



# NIXIE HAT FOR RASPBERRY PI

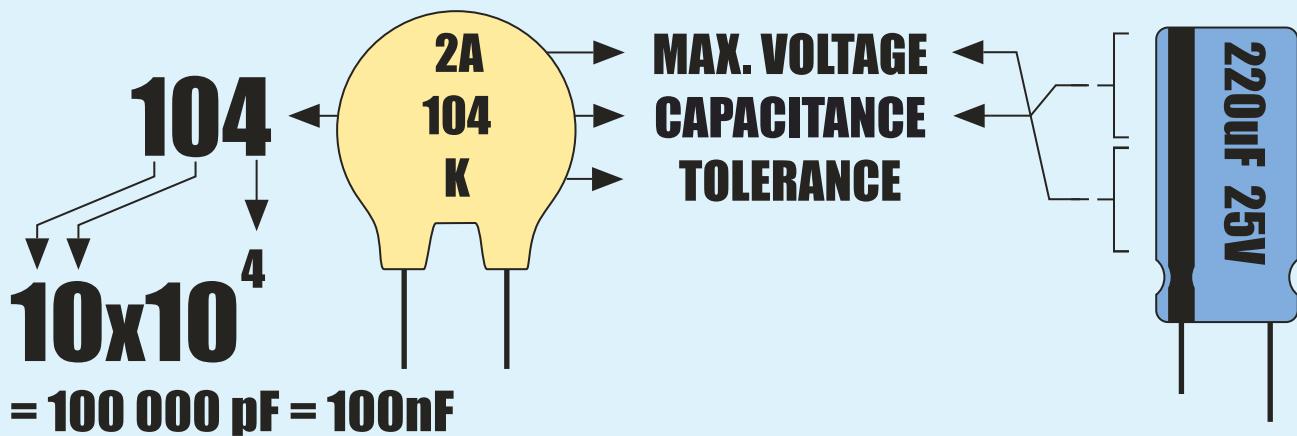
# RESISTORS MARKING



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# NIXIE HAT FOR RASPBERRY PI

# 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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