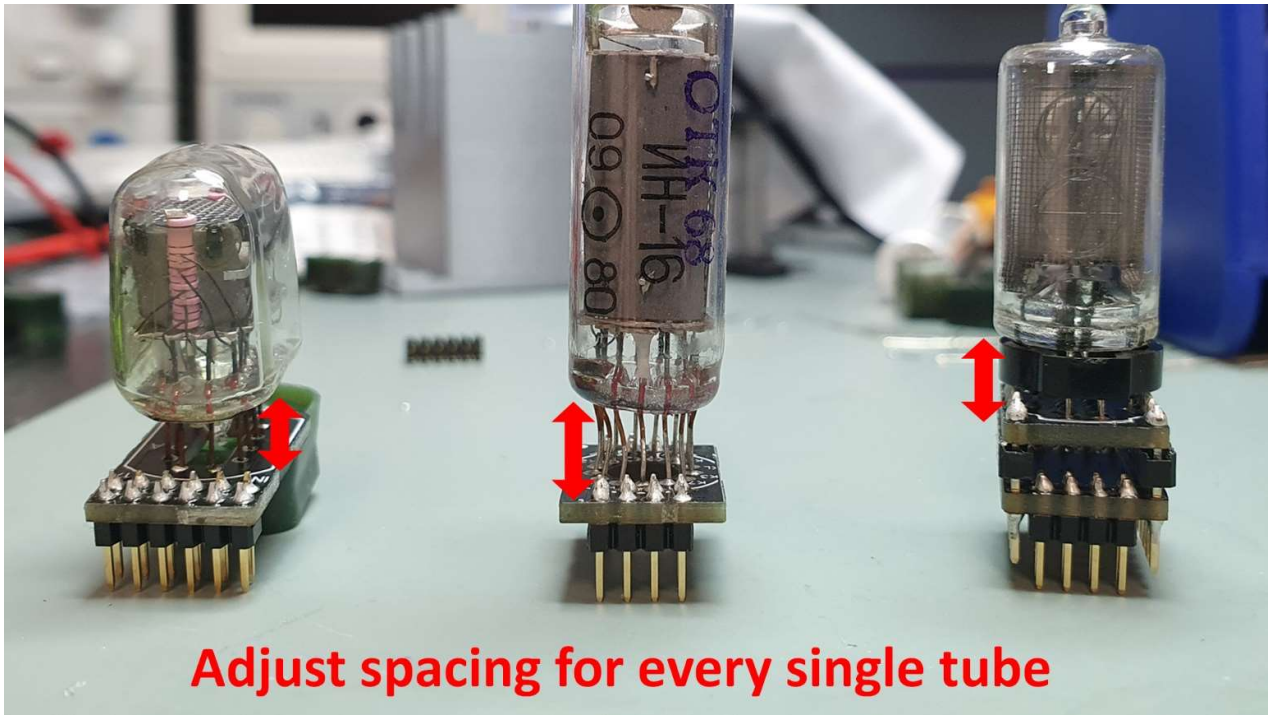
Mounting the nixies

The dimensions of tubes of the same type, as well as the position of the digits within the tube, can vary significantly. There are also different spacers for the B-5870. For this reason, I cannot provide the exact spacing for mounting the nixies on the socket boards.

- For the IN-16, IN-17 and B-5870 versions, don’t use nixies wider than 13mm if you cannot compensate the difference with the adjacent tubes. Also check, that the exhaust tips are not too long to fit in the case.
  However, I haven't had any problems with any of my (unmatched) tubes so far.

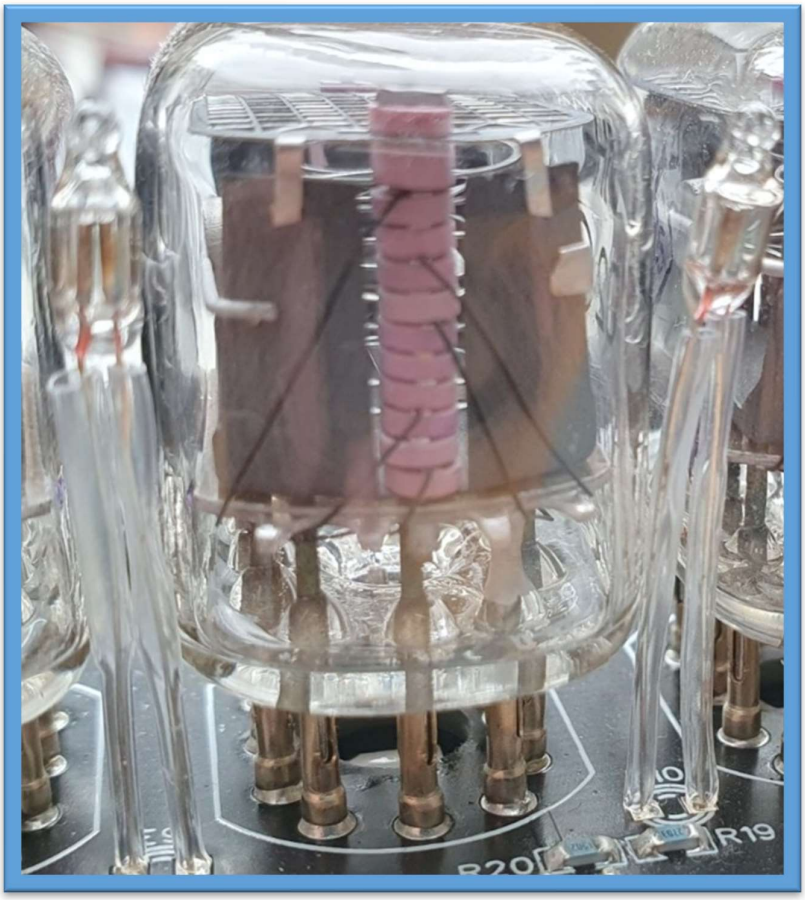


- Correctly adjust the distance between the end of the tube and the top of the socket board in order to have all digits at the same level and to make sure that they fit into the case. A good starting point is 5mm for the IN-16 and 4mm for the IN-17. For the B-5870, I just used the plastic spacer, my tubes have a small one. But again, it is up to you to find the correct spacing.

- Also check orientation, pin order and alignment before soldering the nixies to the socket boards.

- Don’t stress the leads/pins of the nixies.

IN-12/IN-15A version



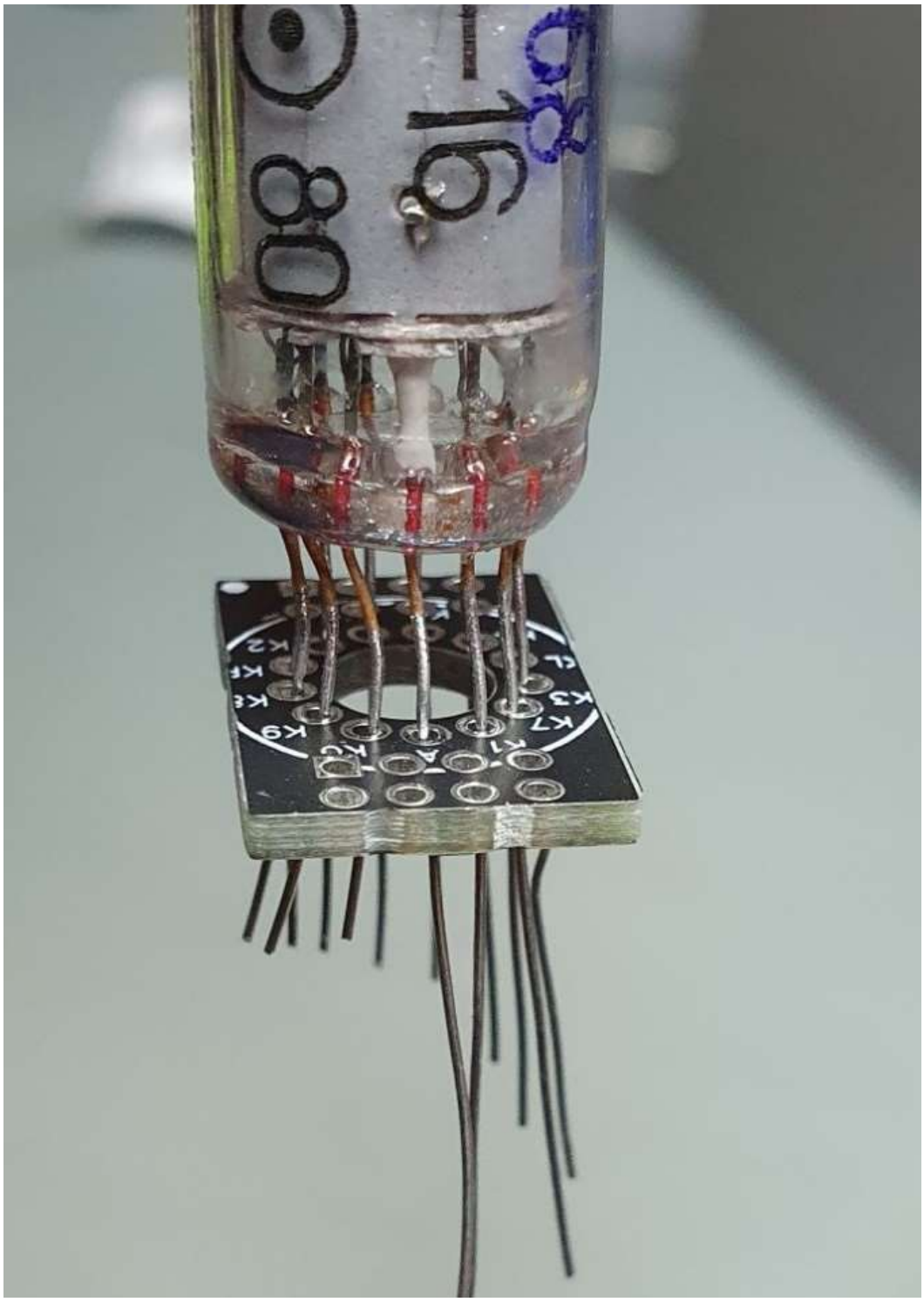
- The nixies are mounted on appropriate socket pins.

1. 

IN-16 version

- The nixies are soldered on a socket board without the plastic spacer to allow underlighting. The calculator uses the right decimal point of the nixie. A = anode.

1. 

2. 

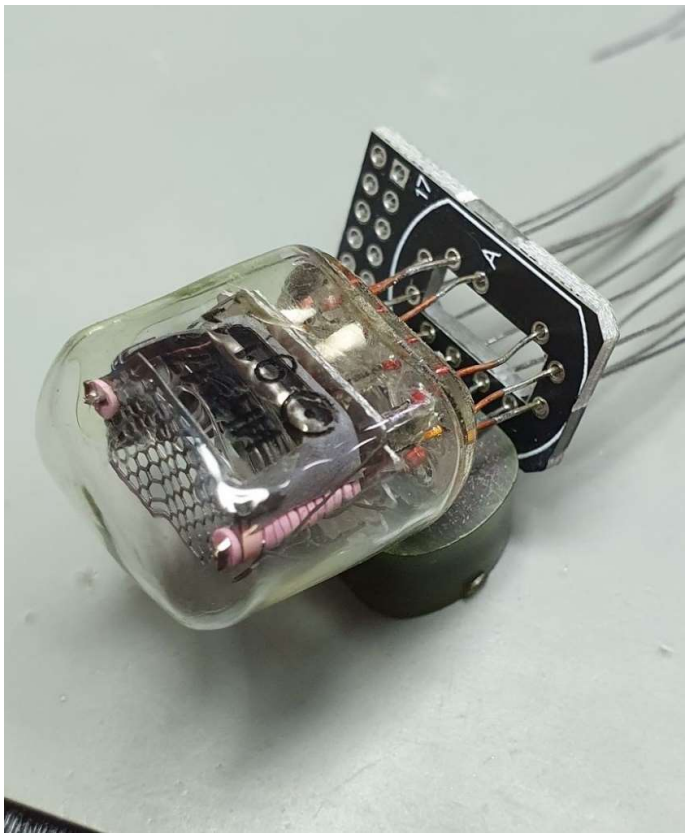
3. 

4. 

IN-17 version

- The IN-17 nixies are soldered on a socket board without the plastic spacer to allow backlighting. A = anode.

1. 

2. 

3. 

4. 

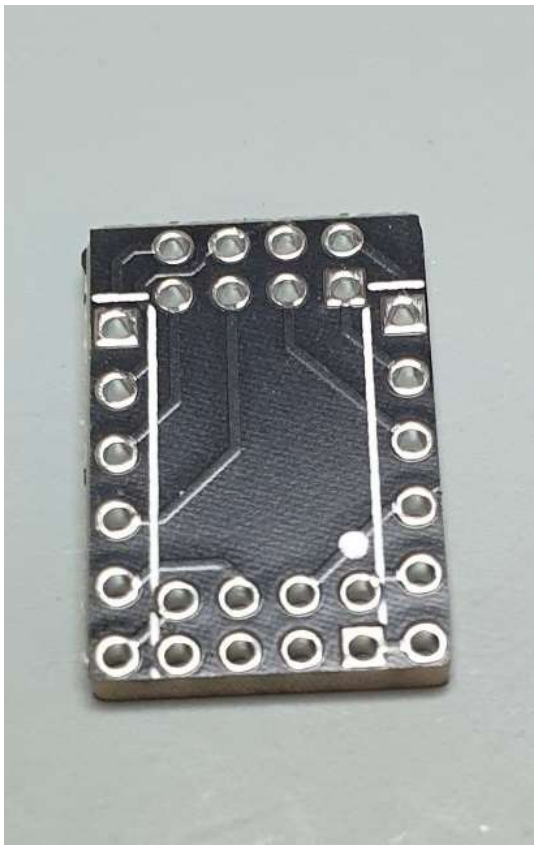
B-5870 version

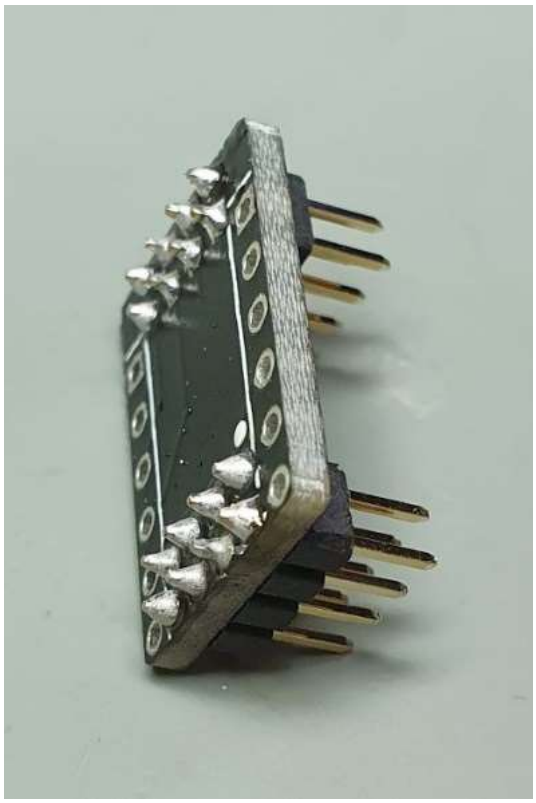
- The nixies are soldered on a socket board. Since there is no underlighting available for the B-5870 version, it is up to you to decide whether you use the plastic spacer or not. Please note that there are different sizes of spacers for these tubes. The socket board is mounted on an additional adaptor board. The calculator uses the right decimal point of the nixie**. Make sure, that there are no shorts between the socket board and the adaptor board!**

1. 

2. 

3. 

4. 

5. 

6.