



The Christmas mood is created by a host of seemingly small details - twinkling lights, atmospheric melodies, the scent of tea with orange and cloves. What else is missing? Christmas tree, perhaps!

Our original proposal does not consist of too many components, which extremely eases its assembly. It is quick and easy to mount decoration that will please the eye and the heart. We have also ensured that it is not too boring - the colours of the 'baubles' change in an extremely smooth and subtle way. Our handy Christmas tree is the perfect solution to bring a bit of Christmas magic even in a cluttered studio, on a desk at work or in a small children's room - but of course these are not the only options for its placement.

This Christmas, give yourself a gift that will allow you to develop your skills in soldering.

Specifications

- light source - fluently colour-changing RGB LEDs
- very easy to mount
- supply: 3 VDC [2xAA] - batteries not included
- board size: 68x83 mm

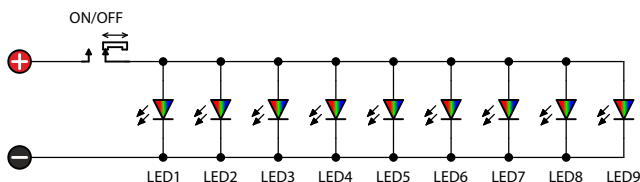


Figure 1. Schematic diagram

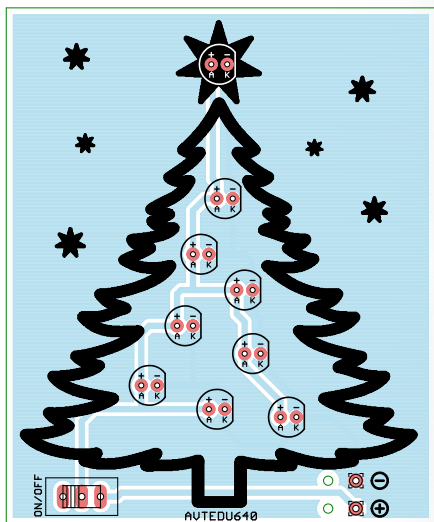


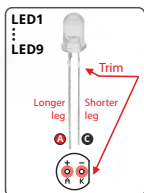
Fig. 2 Arrangement of components on the PCB

Recommended mounting sequence:

D1-D9:RGB LED !

ON/OFF:switch

Battery cage

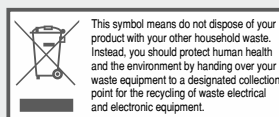


Start assembly by by soldering the components the board , in the order of their size, from smallest to largest largest. When mounting components marked with an exclamation mark, pay attention to their polarity. **To access the high-resolution images download the PDF.**



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