

Activity №3

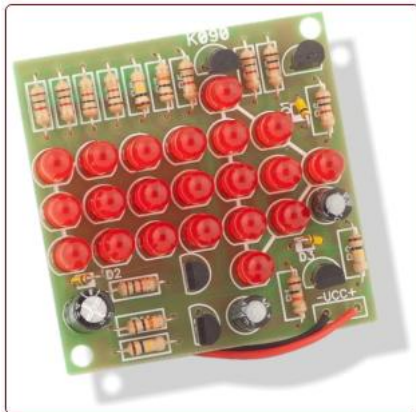
Applied Electronics

Topic: Use of electronics. Types of electronic components and their decipherment. Electrical installation.

Place: Room 51

Teacher in charge: Iliyana Yakova

Practical task: Making a LED directional pointer.



The device can be used to indicate the direction by 21 LEDs located in a form of a pointer. The LEDs are divided into two groups one of which is a rectangle for the tail of the pointer, and the other is a triangle which is the start of the pointer. This lighting effect creates a very good visibility of the pointer (to attract the attention) and is an ideal one for indicating the direction.

Sequence in making the electronic device:

- Safety instructions. Organization of the work place according to safety requirements. Required tools for mechanical and electrical installation and how to use them properly.
- Decipherment of the electronic components, which are necessary for making the device.
- Mechanical installation of the electronic components on the PCB
- Electrical installation of the electronic components on the PCB
- Testing the device