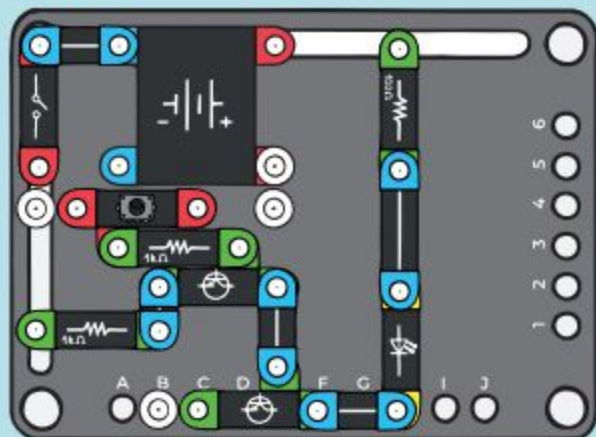


L560 SCHMITT CIRCUIT



A special type of two-stage amplifier. Unlike simple amplifiers that allowed the LED brightness to be adjusted continuously using the potentiometer, here the brightness changes in steps. By turning the potentiometer, you can only turn the LED on or off. The continuous change of voltage at the input of the circuit is thus converted to a simple on or off of the electric current, which is indicated by the LED. The reason is the introduction of feedback, which allows only one transistor to be opened and prevents a gradual change of state by preventing the change „until the last minute“ (the circuit does not respond to the rotation of the potentiometer by gradually changing the brightness of the LED). If the coupling can no longer prevent the flipping, it at least speeds up the flipping so that the change of state is essentially instantaneous. The circuit is used as a signal shaper or as a detector of a certain voltage limit.

1.



2.

