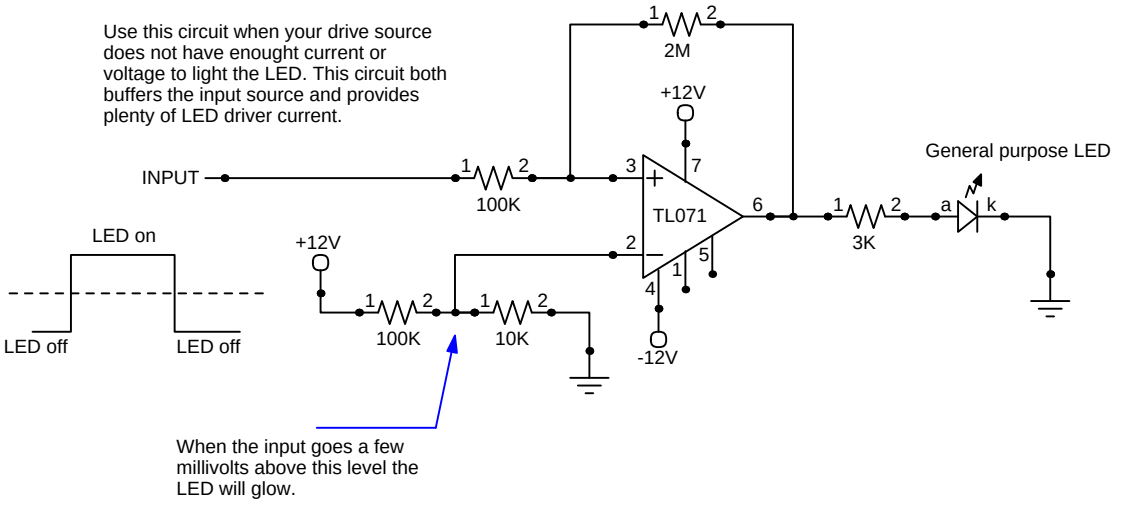
COMPARATOR LED DRIVER

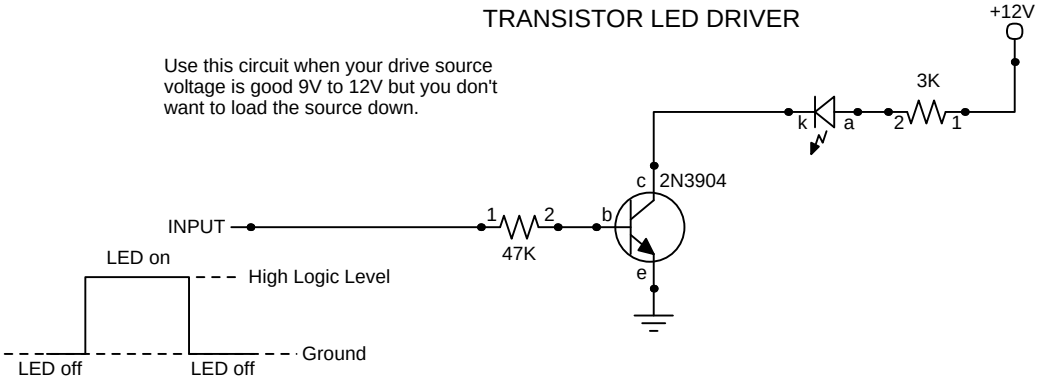
Use this circuit when your drive source does not have enought current or voltage to light the LED. This circuit both buffers the input source and provides plenty of LED driver current.



When the input goes a few millivolts above this level the LED will glow.

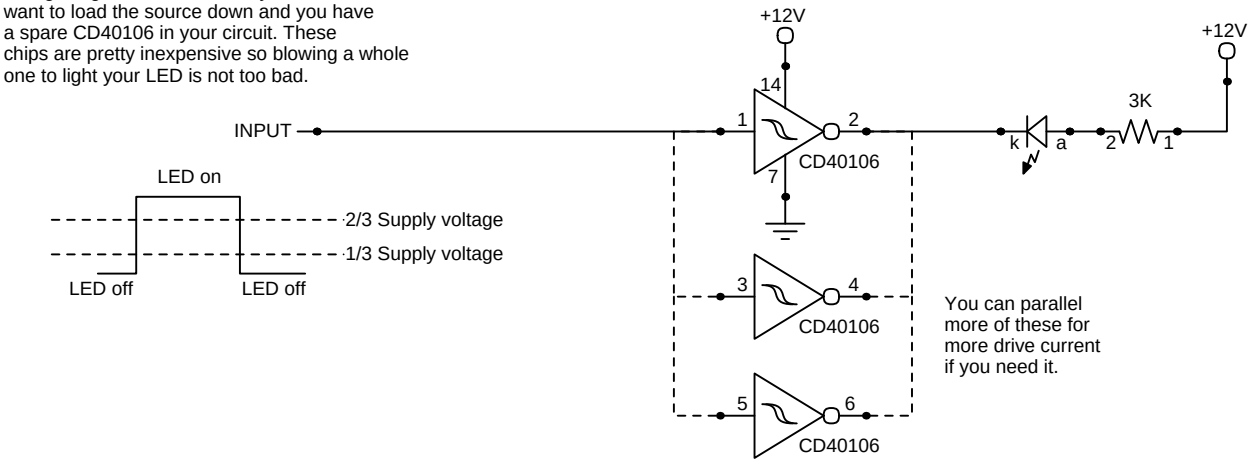
TRANSISTOR LED DRIVER

Use this circuit when your drive source voltage is good 9V to 12V but you don't want to load the source down.



CD40106 LED DRIVER

Use this circuit when your drive source voltage is good 9V to 12V but you don't want to load the source down and you have a spare CD40106 in your circuit. These chips are pretty inexpensive so blowing a whole one to light your LED is not too bad.



You can parallel more of these for more drive current if you need it.

PLAIN OLD LED POWERED FROM SOURCE

Use this circuit when your drive source voltage is good 9V to 12V and you have current to spare in your application.