

Re: What's the best timer chip to pulse multiple pen laser like this http://www.onewithall.net/laser_pulse.gif TIA sal

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Source: <http://sci.tech-archive.net/Archive/sci.electronics.basics/2005-04/msg01465.html>

- *From:* "Dave" <cheapscatedave@xxxxxxxxxx>
 - *Date:* 30 Apr 2005 09:47:54 -0700
-

Are you using the batteries in the pen or do you want the power supplied from another source? To supply external power this is what I do:

I usually take these pens apart(they only cost 1\$) and power the pen from a 5 volt power supply that also powers the timer and counter.

For the timer I use a 555 and feed it into a counter and drive a npn transistor base with a 1K resistor. The emitter is connected to logic ground or - and the collector is connected to the - terminal of the laser pen. I then use a diode from the +5volts to case of the laser pen(caution case of pen is now at +5 volts). 5 volts will damage the laser pen therefore 5volts minus the voltage drop from the diode and the NPN will be the about same as the 3 batteries.

From the picture in the link you provided it looks a 4017 5 stage 5 STAGE JOHNSON COUNTER will pulse in this sequence.

>Is it possible just to use one IC chip? If so anyone >have an example

I don't know of a 1 IC solution.
Dave

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• **References:**

◆ **[What's the best timer chip to pulse multiple pen laser like this](http://www.onewithall.net/laser_pulse.gif)**
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◇ *From:* sal

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◇ *From:* Rich Grise

• Prev by Date: **[lawn tractor switch](#)**

• Next by Date: **[Re: cobbling together a ni-cad charger](#)**

• Previous by thread: **[Re: What's the best timer chip to pulse multiple pen laser like this](#)**
[http://www.onewithall.net/laser_pulse.gif TIA sal](http://www.onewithall.net/laser_pulse.gif)

• Next by thread: **[Home wiring](#)**

• Index(es):

◆ **[Date](#)**

◆ **[Thread](#)**

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