

Re: Is it safe to use a hot-glue gun to keep LED's in place?

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Source: <http://sci.tech-archive.net/Archive/sci.electronics.basics/2005-05/msg00850.html>

- *From:* "Michael A. Terrell" <mike.terrell@xxxxxxxxxxxxxx>
 - *Date:* Mon, 30 May 2005 02:26:12 GMT
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Michael Black wrote:

>
> (upgrdman@xxxxxxxxxxxxxx) writes:
>> I'm building some LED headlights for my radio-controlled car, and I
>> plan to use one of those project boards or whatever they're are called
>> to wire my LEDs and their resistors. But my RC car is gas powered, and
>> the engine puts out a lot of vibration. I'm concerned that my big white
>> LED's will be tugging a little on their solder joints without some sort
>> of brace, and I would like to just use some hot-glue form a glue gun.
>>
>> But I'm new to electronics, and I do not know if the glue would be too
>> hot? and I doubt it, but does the glue conduct electricity?
>>
>> Thanks,
>> --Farrell F.
>>
>
> I'd say it's safe, if your question is about whether the glue
> will hurt the components.
>
> But my experience with hot glue is that it tends to be less permanent,
> ie it gets too warm or too old and things fall apart. At least,
> with plastics.
>
> Epoxy, or as someone said RTV silicone whatever, tends to be
> more permanent. The latter, which can be a real drag to remove
> if you need to, has the advantage that there's a level of flexibility
> to cushion those vibrations.
>
> Michael

I see a lot of LEDs mounted in consumer electronics with a little dab
of hot melt glue.

--

Former professional electron wrangler.

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Michael A. Terrell
Central Florida

- **References:**

- ◆ ***Is it safe to use a hot-glue gun to keep LED's in place?***

- ◇ *From:* upgrdman

- ◆ ***Re: Is it safe to use a hot-glue gun to keep LED's in place?***

- ◇ *From:* Michael Black

- Prev by Date: ***Re: Is it safe to use a hot-glue gun to keep LED's in place?***

- Next by Date: ***Re: Weak telephone line***

- Previous by thread: ***Re: Is it safe to use a hot-glue gun to keep LED's i***