

Re: protection against vibration

Source: <http://sci.tech-archive.net/Archive/sci.electronics.design/2007-06/msg00598.html>

- *From:* veeresh <veereshin@xxxxxxxx>
 - *Date:* Mon, 04 Jun 2007 22:00:38 -0700
-

On Jun 5, 10:31 am, Spehro Pefhany <speffS...@xxxxxxxxxxxxxxxxxxxxxxxx> wrote:

On Mon, 04 Jun 2007 20:50:22 -0700, the renowned veeresh

<veeres...@xxxxxxxx> wrote:

On Jun 4, 6:06 pm, Spehro Pefhany
<speffS...@xxxxxxxxxxxxxxxxxxxxxxxx>
wrote:

On Mon, 04 Jun 2007 03:22:26 -0700, the renowned veeresh

<veeres...@xxxxxxxx> wrote:

Hi,
On one of my PCBs i'm using a heavy IC. It is a 70pin gull wing package. And, the problem is that the pins are breaking near the IC package. I don't want to use RTV, as it's difficult to remove. What best I can do to protect this against vibration tests?

Thanks and Regards,
Veeresh

Can you link to a package drawing?

Re: protection against vibration

Best regards,
Spehro Pefhany

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"it's the network..." "The Journey is the reward"
s...@xxxxxxxxxxxxx Info for
manufacturers:<http://www.trexon.com>
Embedded software/hardware/analog Info for designers:
<http://www.speff.com>

Hello Sir,
Thanks for the kind response from all of you.

It has passed the tests some times. But when tested for many times,
the pins break. I want to make it rugged... exactly option (b) :-)
The PCB is housed in an enclosure with screws at every 5cm w.r.t each
other. Please check the link below for package diagram.

<http://www.ddc-web.com/FileLibrary/Default.aspx?type=Datasheets&div=M...>

please consider the data sheet of BU-61580(second one). I'm using the
gull wing package – page 44 of 46. I took this particularly to save
the space.
Now, I've kept a sil pad below the device, super glue on four corners,
and RTV on pins. Is this fine, or something better can be done?

Regards,
Veeresh

Have you considered asking the manufacturer?

actually they suggested putting glue on the pins, and all. But once
glue is put, the maintainance will be diffiult

Why don't you tell us

how much it costs so Joerg can have a heart attack? Last part I used
from that company was in the high four digits (USD).

Best regards,
Spehro Pefhany

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