

Re: OT 0805 resistor noise

Source: <http://sci.tech--archive.net/Archive/sci.electronics.design/2005-09/msg01637.html>

- *From:* John Larkin <jjlarkin@xx>
 - *Date:* Wed, 07 Sep 2005 08:57:00 -0700
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On Wed, 7 Sep 2005 12:31:53 +0200, "SioL" <Sio_spam_L@xxxxxxxx> wrote:

>"Robert Baer" <robertbaer@xxxxxxxx> wrote in message
[news:a_vTe.2077\\$9x2.1948@xx](mailto:news:a_vTe.2077$9x2.1948@xx)

>> If the PCB is run thru a hot air tunnel for reflow both times, there is no residual stress.

>> Case 1: parts so small that no adhesive is needed = the liquid solder's surface tension holds them in place at all times, and

>> the cooling dimensional change is so small that it would seem the stress is more theoretical than a practical "problem".

>> Case 2: larger parts with adhesive = do not move, so zero problem.

>

>Interesting posts, thanks!

>

>I am considering starting a SMT placement business here in the EU. How much does

>a smaller maybe used pick and place cost in the US? Just considering my options for

>a conservative start.

We have a very nice semi-automatic p&p, made in Switzerland! I think it cost \$25,000 or so. I'll look up the model when I get to work. My guys just did my new VME prototype board on it; it took about 3 hours to place 1050 parts on a very dense board.

I've seen a Panasonic turret-feeder place 6 parts per second, but that's a \$300,000 or so machine, and setup is a major deal.

John

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- *Follow-Ups:*
 - ◆ *Re: OT 0805 resistor noise*
 - ◇ *From:* SioL
 - ◆ *Re: pick 'n' place machines (was: OT 0805 resistor noise)*

◇ *From:* Walter Harley

• **References:**

- ◆ **OT 0805 resistor noise**
◇ *From:* martin griffith
- ◆ **Re: OT 0805 resistor noise**
◇ *From:* Pooh Bear
- ◆ **Re: OT 0805 resistor noise**
◇ *From:* Walter Harley
- ◆ **Re: OT 0805 resistor noise**
◇ *From:* Pooh Bear
- ◆ **Re: OT 0805 resistor noise**
◇ *From:* Walter Harley
- ◆ **Re: OT 0805 resistor noise**
◇ *From:* Winfield Hill
- ◆ **Re: OT 0805 resistor noise**
◇ *From:* Robert Baer
- ◆ **Re: OT 0805 resistor noise**
◇ *From:* SioL

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