

Re: Crystal problems/questions

Source: <http://sci.tech-archive.net/Archive/sci.electronics.design/2004-08/1138.html>

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Date: 08/07/04

Date: Sat, 7 Aug 2004 09:40:35 +0100

"Brett" <bsa22@cornell.edu> wrote in message
news:Xns953E18102F3C8bsalistsyahoom@132.236.56.8...

> *Hi All,*

>

> *I'm working on building a small prototype for a PCB we would like to
> have built. It is based on an ST7262 uP, and my first step has been to
> put this processor on a breadboard, hook up some of the basics like Vdd,
> reset, etc, and then attach the crystal. As far as I can tell on my
> first attempt, the crystal is not resonating, at least when I use an
> oscilloscope to probe it. I have a few ideas about what could be wrong,
> but nothing I'm really sure about. I would appreciate it if anyone
> could check over what I'm doing and let me know if it makes sense. My
> circuit looks like this:*

If it's one of those solderless breadboards, make sure that everything is actually connected. The crystal etc. might not actually be making proper contact.

Someone I know breadboarded a PIC circuit and didn't bother using capacitors on the crystal, there was enough stray capacitance for it to oscillate.

Leon