

Re: Design a VGA control board for an LCD.

Re: Design a VGA control board for an LCD.

Source: <http://sci.tech--archive.net/Archive/sci.electronics.design/2006-10/msg05687.html>

- *From:* p4nguyen@xxxxxxxxxx
 - *Date:* 26 Oct 2006 17:38:25 -0700
-

Sorry for being confusing at the begining, but the monitor version 01 does use the analog RGB. The link for Kontron shows interesting products.

What if I like to use the monitor on a generic VGA device (tuner..) not sure the dot clock signal is easily found. Even on a PC VGA card, would it feasible to carry it (100 Mhz signal) along the cable ?

Thanks,

lemonjuice wrote:

On 25 Oct 2006 17:17:55 -0700, p4nguyen@xxxxxxxxxx wrote:

Actually, mine is the version 01 instead of 02 of the LCD, this link is better:

<http://www.beyondinfinite.com/lcd/Library/Nec/NL128102AC31-01.pdf>

It now seems to boil down to how to generate the "dot clock" signal from the VGA signals .

Any comments ?

Thanks,

Well the options are many ... a few bucks of some components of an LC tank oscillator with a quartz crystal will get you your dot clock. Any PC with an average VGA card can generate for you a dot clock signal. Zdnet once had a basic program for download that could do that so if you hunt for that you can play around with all the possibilities.

It would seem though you need more then a dot clock oscillator ... Your monitor specs indicates that it uses differential low voltage signals for video input ... The interfaces for such are usually

Re: Design a VGA control board for an LCD.

expensive but Kontron produce(d) one of those starting at 72 dollars
which is cheap. Try the following url
<http://us.kontron.com/index.php?id=82&cat=640&source=Searchengine>

lemonjuice