

Re: Mystery LCD

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Can you get the LCD to function in the current equipment? If so, does it appear to only display only text characters in fixed positions or can it display different sized characters and/or larger graphic elements?

If you can not get the display to function can you tell if the active pixel area consist of evenly spaced dots or if the dots are is small blocks (of maybe 5x8 dots) with gaps between the blocks? You can usually see the dot pattern while slowly rocking the display back and forth under a strong light.

Just trying to figure out if your display is a character module or a small mono graphic display. A character module may be fairly easy to figure out. A graphic module may be a bit tougher to figure out if uses a combination controller/driver IC.

When you say "ribbon cable" are you referring to a cable made up of some type of bonded round wire cables or flex printed circuit cable?

FYI, I work for an LCD marketing and distribution company but not related to to Truly in any way.

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Chuck Wozniak

spamfilter@xxxxxxxxxxxxxxxxxxxx wrote:

After some more investigation tonight, it looks like Truly is in fact the manufacturer; I was never able to get any more information off the LCD itself but I did peel back some tape on the ribbon cable and saw "Truly" printed on it with some another part number (TG400) that is similar to the one on the LCD.

It's definitely 16 pins (I mean it this time!) - two are ground, one is perhaps contrast of some sort (it appears to be connected to ground through a parallel resistor and capacitor). The remaining 13 pins are connected to the Atmel chip as follows:

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3 to PortD
2 to PortG
8 to PortC

... so if there are three bits for control (say to PortD), 8 bits for data (say PortC), that only leaves two remaining unknowns. It's a good start, I guess. Too bad I can't get at the program on the Atmel chip...

At first glance, the Truly web sites aren't all that helpful, but I'll try to dig in a bit deeper tomorrow.

Thanks
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Elliott