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Topic: **Unusual LCD failure TDS3054** (Read 966 times)

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Jwalling

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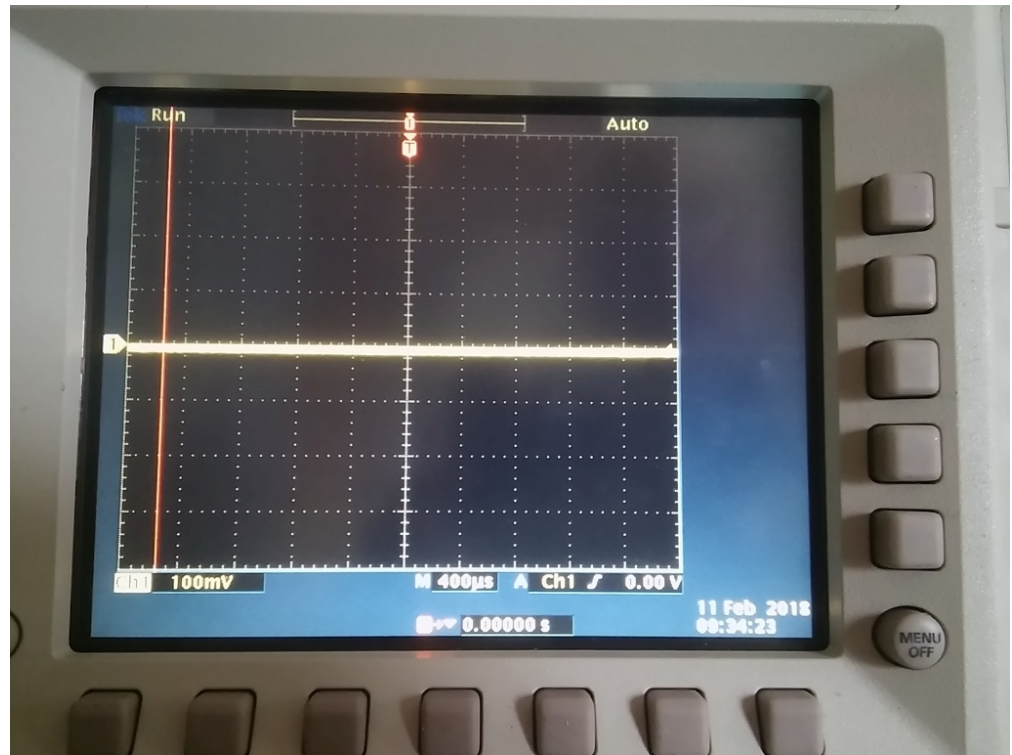
Unusual LCD failure TDS3054

« on: February 11, 2018, 03:27:34 pm »

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I don't think I've ever seen an LCD that fails with a vertical or horizontal line that didn't extend completely from side to side (or top to bottom)

Something new everyday...



TDS3054 001.jpg (189.47 kB, 1024x768 - viewed 201 times.)

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Jay

System error. Strike any user to continue.

nctnico
Super Contributor



Posts: 19839

Country:



Re: Unusual LCD failure TDS3054

« **Reply #1 on:** February 11, 2018, 03:44:25 pm »

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This could be a problem in the internal circuitry of the oscilloscope and not the display because it seems to occur in the signal trace overlay area. I'd try a different LCD first!

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There are small lies, big lies and then there is what is on the screen of your oscilloscope.

Jwalling
Supporter



Posts: 1361

Country:

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Re: Unusual LCD failure TDS3054

« **Reply #2 on:** February 11, 2018, 03:55:39 pm »

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Quote from: nctnico on February 11, 2018, 03:44:25 pm

This could be a problem in the internal circuitry of the oscilloscope and not the display because it seems to occur in the signal trace overlay area. I'd try a different LCD first!

Oh, I did! The replacement is fine.

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Jay

System error. Strike any user to continue.

nctnico
Super Contributor



Posts: 19839

Re: Unusual LCD failure TDS3054

« **Reply #3 on:** February 11, 2018, 04:00:52 pm »

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Quote from: Jwalling on February 11, 2018, 03:55:39 pm

Quote from: nctnico on February 11, 2018, 03:44:25 pm

This could be a problem in the internal circuitry of the oscilloscope and not the display because it seems to occur in the signal trace overlay area. I'd try a different LCD first!

Country: 

Oh, I did! The replacement is fine.

Well then it certainly is an odd failure! Perhaps one of the traces on the glass itself got interrupted. I have seen localised defects in LCD screen though.

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There are small lies, big lies and then there is what is on the screen of your oscilloscope.


The following users thanked this post: Jwalling

Jwalling

Supporter



Posts: 1361

Country: 

This is work?

 **Re: Unusual LCD failure TDS3054**


« **Reply #4 on:** February 11, 2018, 04:16:09 pm »

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Quote from: nctnico on February 11, 2018, 04:00:52 pm

Well then it certainly is an odd failure! Perhaps one of the traces on the glass itself got interrupted. I have seen localised defects in LCD screen though.

That would make perfect sense if the driver chip was on the bottom! Good call. I'd dissect it if I weren't going to use it as a test display...

I wonder how it could happen though; there's a protective anti-glare glass that covers the LCD. 

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Jay


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voltsandjolts

Supporter



Posts: 906

Country: 

 **Re: Unusual LCD failure TDS3054**

« **Reply #5 on:** February 11, 2018, 04:34:32 pm »

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Where did you get the replacement LCD, from Tek?

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Jwalling

Supporter



Posts: 1361

Country: 

This is work?


 **Re: Unusual LCD failure TDS3054**

« **Reply #6 on:** February 11, 2018, 04:37:17 pm »

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Quote from: voltsandjolts on February 11, 2018, 04:34:32 pm

Where did you get the replacement LCD, from Tek?

If I had, my wallet would probably be \$500 lighter, assuming that they're not obsolete. 

I bought a couple of spares off eBay a year or two ago.

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Jay

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voltsandjolts

Supporter



Posts: 906

Country: 

 **Re: Unusual LCD failure TDS3054**

« **Reply #7 on:** February 11, 2018, 04:39:41 pm »

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Hah, nice, wise move!

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