Newsletter 1/2016

Dear Ladies and Gentlemen,

The edition 1/2016 contains information of new Mini Displays in three different technologies. Starting with a TN/FSTN LCD via a TFT up to third, a PMOLED. All midgets of its kind.

With kind regards
Your ADKOM-Team

For these displays the following applies: „Size does matter"

For each display manufacturer such small dimensions are a real challenge. Because of their size, the cutting and breaking of the glasses must be done with absolute rigor, especially as the available area is very limited.

Miniature Displays in TN or FSTN

Granted, a FSTN display is at the present time a common technology and nothing in particular. However, it resonates with some pride, if it comes with a dimension of 15.8 x 8.4 mm. For comparison: A 1 Cent coin has got a diameter of 16 mm!

These display gnomes are available in TN or FSTN technology, in transflective or reflective and with a temperature range of –30˚C / + 70˚C. Possible fields of applications provide measuring instruments, tools and watches in vast number.

The contacting of those miniature displays will be done in most cases by elastomeric connectors. A frame out of plastic or metal is serving the fixing.

Mini-TFT, 0.90", 4wire SPI

This transmissive Mini TFT impresses with dimensions of 15.8 x 27.0 mm, with barely just a thickness of 1.66 mm. Mind you, measured with LED backlight! The TFT comes with a 4wire SPI

interface and a resolution of 80 (RGB) x 160 pixel.

Originally, this TFT has been developed for use in e-evaporators, although it should be highly interesting to other industries, too.

It happens to become even smaller: Last but not least, a 0,48" PMOLED with I²C

A from all of us well known gummy bear shows quite good the size comparison to this monochrome PMOLED. The dimensions of this display are 14.9 x 11.9 x 1.21 mm!

It again significantly undercuts the measurement of the FSTN Segment Display described at the beginning. A resolution of 72x36 pixel this midget brings along, Exactly as an I²C interface.

Please contact us, if you need more information about it.

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