DISPLAY TECHNOLOGY | EMBEDDED SYSTEMS
HARD- & SOFTWARE DEVELOPMENT

ADKOM™

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The first part of our excursion into the technologies of monochrome LCDs has already started in June and we received a great number of positive feedbacks from the market. With this issue of ADKOMunity we continue with part II of our elaboration.

After having bridged part I and art II of monochrome LCDs – a second no less interesting – of already familiar alphanumeric LCMs to new – pin-compatible alphanumeric OLED-LCMs is following.

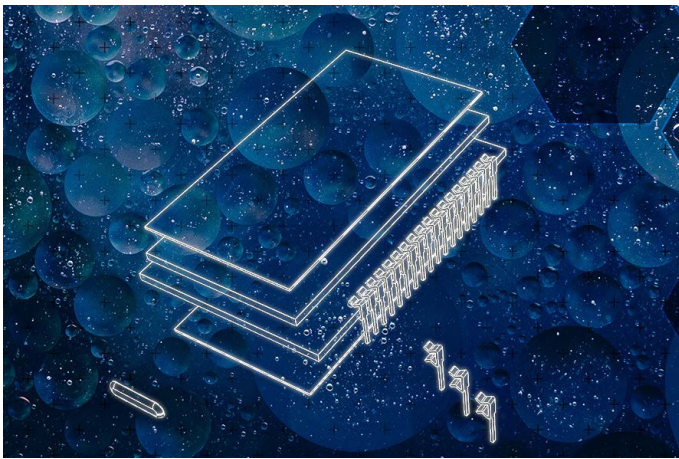## Excursion into monochrome LCD-Technologies – Part 2

In order to continue our treatise of monochrome LCDs, you will learn about functionality and structure of the respective technology and experience further fascinating details in part 2. To begin with a schematic presentation of the individual necessary production steps in a modern today's LCD production line, up to a performance list, as well as typical measuring result such as response time, Von, Voff, duty ration for one.

Both parts of our elaboration add up to an unique review of the single monochrome LCD-technologies.

To get to part II, click here or visit our website under rubric „Worth knowing about Dsiplays".

One of the described technologies has got a distinctive feature in regard to the viewing angle which has to be observed. It is about ABN (advanced black nematic). The product-specific feature of the liquid crystal demands detailed planning of the viewing angle, elsewise so called "blind spots" may appear. We are going to deal with this subject in our next issue.

Common knowledge in a new look – Alphanumeric LCMs with OLED

New to ADKOM portfolio is a modification of the market- familiar alphanumeric modules mainly used for industrial application in a new image, now equipped with OLED-Displays. Together with the driver ICs HD44780/ST7066U still the same controllers are inserted by Hitachi and Sitronix as used for LC-modules. With identical pinning these OLED now allow 1:1 replacement/exchange. As ever fonts for Japanese, Cyrillic as well as 2 European symbol sets are hardware-sided selectable.

These modules are available in the colors black/white, respectably black/yellow. You can choose also from the most popular sizes of 8x2, 16x4, 20x2 and 20x4.

If you have got any questions, please contact us. We gladly support you.

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