DOG Series
Slimline displays with pins

* super flat: 2.0~6.5mm
* Graphic 102x64, 132x32, 128x64, 160x104
* Character 2x16, 3x16, 1x8
* real 3.3V operation
* SPI interface, low power: 150 / 250 µA
* display and backlight separate
* white LED B/L runs from 3 mA
* Standard displays

figures enlarged !

ELECTRONIC ASSEMBLY
making things easy

Flexible in design

Character and Graphic + SPI + 3.3V

„Again a new series?"

you may be thinking to yourself. Quite so, but this series
is a completely new development, offering a range of
innovations and benefits like no other:

* 5 Graphic displays from **102x64** up to **160x104**
* 3 Charater displays **2x16, 3x16, 1x8**
* single supply +3.3V operation
* alternative 5V operation (character displays)
* SPI interface (character also 4-/8-bit interface)
* can be soldered directly into the PCB
* flat with 2.0 mm up to 5.8/6.5mm with backlight
* outline dimensions from 39x41mm up to 78x64mm
* $T_{op.}$ -20..+70°C, integrated temperature compensation
* no minimum quantity, shortest delivery time

DOGXL160
*DOGL128*
DOGM128
DOGM132
DOGS102

Just put together the display you want

You prefer a standard display but with an individual look? That's the
reason why we separated the display and the illumination. We can supply you with both as standard products, even in small
quantities. But the unit only becomes your own personal solution when you combine the two during production. No screws and
no cable are required. Simply clip the display and the backlight unit together and you have up to 63 possible combinations. For
the graphic displays there is an analogue touch panel available also.

Different backlight units

There is a choice of up tp 7 different illumination colors to suit the most diverse designs. The most efficient and at the same
time the brightest illumination type is the white one. With the RGB type all colors can be set individually.

EA LED55x31-W	*EA LED55x31-G*	*EA LED55x31-B*	*EA LED55x31-R*	*EA LED55x31-A*	*EA LED55x31-RGB*
White	*Yellow/Green*	*Blue*	*Red*	*Amber*	*Full-Color*
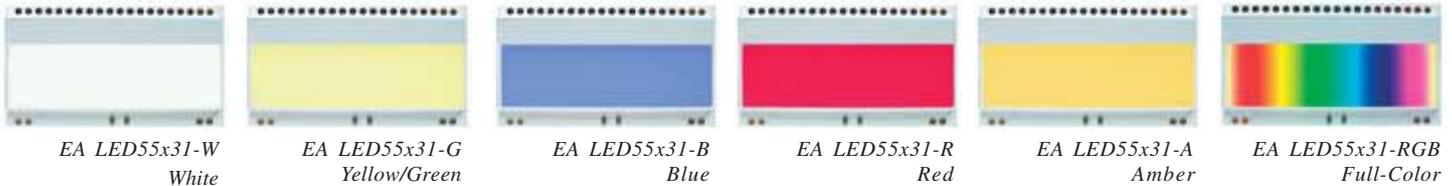
Simulation for Windows

Already before any purchase, with the gratis simulator software all displays and colors can be
simulated on the PC. It's possible to display individual text and pictures. The Simulator is free for
download from our website http://www.lcd-module.de/deu/disk/startdog.zip
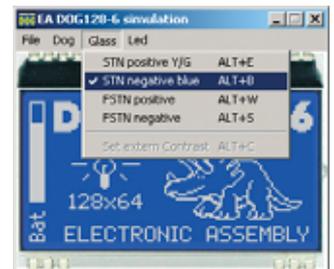
USB Test board EA 9780-2USB

For an easy and quick start we do provide an USB test board for PC
connection. The board comes with an USB cable and the above mentioned
Windows software. With the test board text and pictures (BMP) can be
displayed immediately. The test board is good for all EA DOG displays.

Character set and FontEditor

There are lots of character sets available as the EA USBSTICK-FONT. The FontEditor software allows to
edit all fonts and to create new ones (e.g. cyrillic, greece, hebrew). When the USB Testboard is connected,
you are able to watch the just edited character live on the display. An export function for C- and Basic
source codes is included aswell.

Need more informations?

At our web site you'll find more informations and the complete data sheet: www.lcd-module.com Or fax following inquiry:

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