

## Intelligent Graphic LCD Modules (EA KIT)

The EA graphics kit is a fully assembled control and operating unit with a variety of integrated functions. As well as offering excellent super-twist contrast, the compact display can be put into operation immediately. It is controlled via the standard RS-232 or RS-422 interface. In addition to complete graphics routines for display output, the graphics kit also contains a wide variety of fonts.

**ELECTRONIC ASSEMBLY**

High-level language-type graphics commands are used for programming. There is no longer any need for the time-consuming programming of character sets and graphics routines. There's no need for any driver software or programming tools. The ease of use offered by macros and input via touch panel make it a real power display.

The graphics kit is designed to work with an operating voltage of +5V. A supply voltage of +9..36 V is also possible. Serial asynchronous data transfer is carried out in RS-232 or RS-422 format. The transmission format is set permanently to 8 data bits, 1 stop bit and no parity. Rates between 1200 bps and 115,200 bps can be selected by means of DIP switches. RTS and CTS handshake lines are available.

All versions are supplied with an integrated touch panel. You can make entries and menu settings by touching the display. The labeling of the "keys" is flexible and can also be changed during runtime (different languages, icons). The drawing of the individual "keys" and the labeling or grouping of several fields is handled entirely by the integrated software. Programming the fields couldn't be simpler.

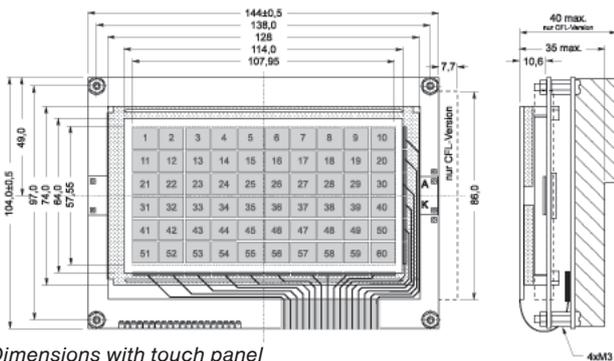
### 240x128 Dots



EA KIT240-7CTP: blue background with white characters. Extreme bright and with high contrast. Lifetime for backlight 10 000-20 000h. Current consumption typ. 450mA-

EA KIT240-7LEDTP: yellow/green background with black characters. Good contrast, lifetime 10 000h. Current consumption typ. 1200mA

**ELECTRONIC ASSEMBLY**



Dimensions with touch panel

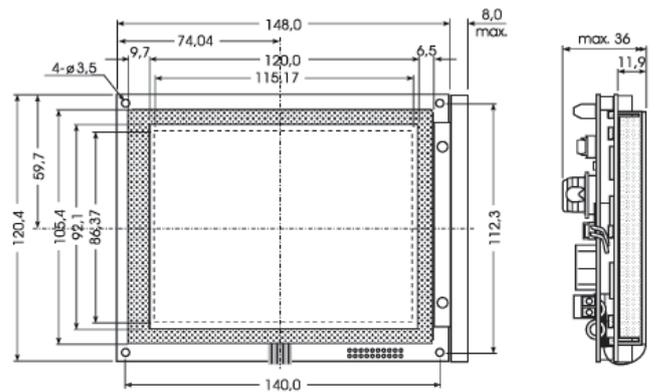
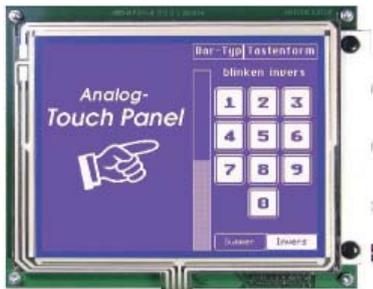
Part No.	Module Size (mm)	Viewing Area (mm)	Dot Size (mm)	Touch Fields
EA KIT240-7CTP	144x104	114x64	0,40x0,40	10x6
EA KIT240-7LEDTP	144x104	114x64	0,40x0,40	10x6

Part No.	Ord. No.
EA KIT240-7CTP	9079
EA KIT240-7LEDTP	9720

### 320x240 Dots

EA KIT320-8CTP :with CFL illumination, blue negative  
EA KIT320-8LWTP white LED illumination, positive mode, FSTN  
EA KIT320F-8CTP CCFL with CFL backlight and 16 colours.

**ELECTRONIC ASSEMBLY**



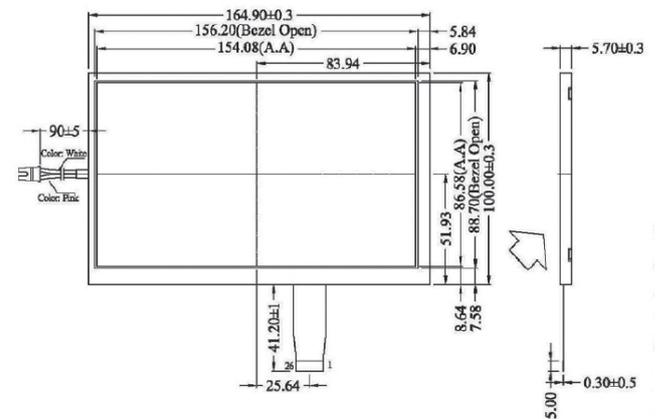
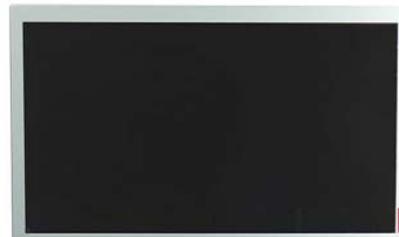
Part No.	Module Size (mm)	Viewing Area (mm)	Dot Size (mm)	Touch Fields
EA KIT320-8CTP	148x120,4	120x92,1	0,33x0,33	analog
EA KIT320-8LWTP	148x120,4	120x92,1	0,33x0,33	analog
EA KIT320F-8CTP	155x115	118x89	0,33x0,33	analog

Part No.	Ord. No.
EA KIT320-8CTP	9721
EA KIT320-8LWTP	9722
EA KIT320F-8CTP	52433

## TFT Modules 7,0" Screen Size



TFT modules 7,0" diagonal  
NTSC/PAL signal input  
CVBS/S video input  
+12V single power supply  
CCFL backlight



Part No.	Module Dimensions (mm)	Active Area (mm)	Displat Format (mm)
BT 7.0 ACB	164,9x100,0x5,7	154,08x86,58	1440x234

Part No.	Ord. No.
S BT 7.0 ACB	63719