

LCD- GRAPHIC MODULE 180x32

11.2007

INCL. CONTROLLER PT6520 FOR 8-BIT BUS

new !



*EA DIP180B-5NLW
Dimension 102 x 27 mm*

FEATURES

- * HIGH CONTRAST LCD SUPERTWIST DISPLAY
- * BLUE-WHITE WITH BRIGHT BACKLIGHT: EA DIP180B-5NLW
- * CONTROLLER PT6520 OR COMPATIBLE IS BUILT-IN
- * DIRECT INTERFACE TO 8-BIT DATA BUS
- * POWER SUPPLY +5V / -3.3V max. 800 μ A
- * LED BACKLIGHT WHITE max. 45mA@+25°C
- * MORE MODULES MADE IN SAME TECHNOLOGY:
 - DOTMATRIX 1x8, 2x16, 4x20
 - GRAPHIC 122x32, 128x64 AND 240x128
- * NO MOUNTING REQUIRED: JUST SOLDER INTO PCB
- * DETACHABLE VIA SOCKET EA B200-9 (2 PCS. ARE REQUIRED)
- * OPERATING TEMPERATURE RANGE -20..+70°C WITH
- * BUILT-IN TEMPERATURE COMPENSATION

ORDERING CODE

LCD GRAPHIC MODULE 180x32 WITH LED BACKLIGHT
9-PIN SOCKET 4.3mm, pitch 2.0mm (1 PC.)

EA DIP180B-5NLW
EA B200-9

**ELECTRONIC
ASSEMBLY**

making things easy

CONTRAST ADJUSTMENT

Contrast voltage for EA DIP180-5 is ca. -3.3V. That means that with 5V operation the display do need an additional negative voltage.

An automatic temperature compensation is built-in. A manually realign of contrast while operation over various temperatures is no longer required. Furthermore the display is equipped with a Superfast-Liquid, which fast enough even at the very low temperature of -20°C. Response time is typ. 2.5 seconds only.

BACKLIGHT

The built-in backlight requires a current source or an external limiting resistor. Forward voltage for backlight is between 3.0V and 3.6V. Please consider that a current derating is necessary for operating und temperatures above +25°C.

Note that display cannot be read without backlight. But even with some single mA reading is possible. When ambient brightness grows, then backlight brightness need to grow also.

Attention: do never connect the backlight direct to 5V. This will damage the display immediately !

