MC1602 Display Module

MC1602 is an alphanumeric LCD display module designated to be used with the PVK40 development board.

The display is organized as 2 lines by 16 characters. The GDM1602A module (or compatible) is used, it is controlled by the KS0066U chip (by Samsung) or compatible.

GDM1602A datasheet: www.asix-tools.com/download/pvk40/gdm1602a.pdf

KS0066U datasheet: www.asix-tools.com/download/pvk40/ks0066u.pdf

The pinout of the module is a standard for 16x2 LCD modules:
1:       GND
2:       +5V
3:       Contrast
4:       RegisterSelect,
5:       Read/Write
6:       Enable
7..14: DB0 to DB7

Installation

The module is mounted onto PVK40 board according to PVK40 component layout diagram.

The four hex nut extenders are to be mounted on the component side of PVK40 and compound mechanical support for the display, which then fits in J6 connector.

Pin 1 (see printing on the module) must correspond with pin 1 of PVK40 (see component placement of PVK40).

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