

2x16 Serial LCD Module (#27910 & #27923) Specifications

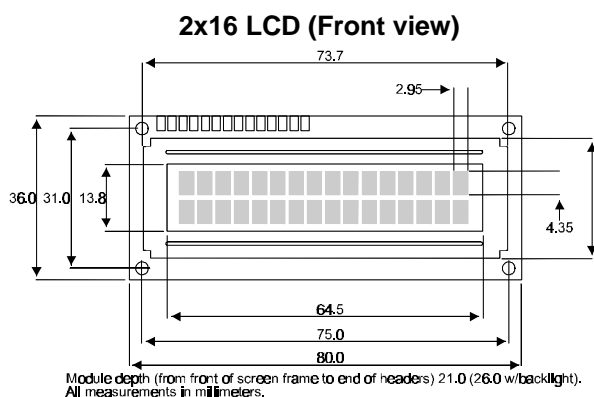
Revised 05/98

Page 1 of 1

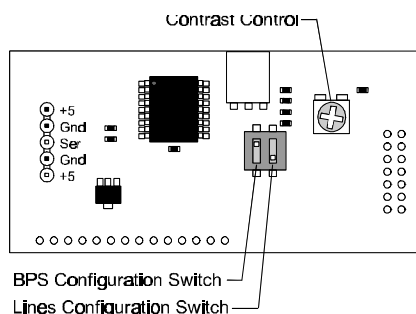
The **2x16 Serial LCD Module** from Scott Edwards Electronics provides a simple way to display data from a BASIC Stamp or other microcontroller. The module requires only one I/O pin, +5 volts and ground to function. Simple SEROUT commands can be used in the BASIC Stamp to communicate with the module at 2400 and 9600 baud.

Features of the 2x16 Serial LCD Module:

- 2-line by 16-character display;
- High-quality, supertwist screen;
- (4) mounting holes;
- LED backlight (only in part #27923);
- Low power consumption (3 mA w/o backlight);
- (8) user definable (5 x 8 pixel) characters;
- Special screen-manipulation instructions;



2x16 LCD Backpack (Back view)



Part #27910 shown.

Basic Specifications

Power requirements	4.8 to 5.5 Vdc @ 3mA
Interface connector	5-pin header; 0.025" posts on 0.10" centers
Serial input	RS-232, or inverted TTL/CMOS, 9600 or 2400, N81
Operating temperature	0° to 50°C (32° to 122°F)
Lines configuration	down = 1-line, up = 2-lines
BPS configuration	down = 2400, up = 9600

Special Instructions

Instruction	Code
Clear screen	1
Home	2
Blank display (retaining data)	8
Restore display (with cursor hidden)	12
Show blinking-block cursor	13
Show underline cursor	14
Cursor left	16
Cursor right	20
Scroll left	24
Scroll right	28
Define character row pattern	64+addr
Move to n^{th} character of line 1	128+n
Move to n^{th} character of line 2	192+n

The 2x16 Serial LCD Module package includes:

- 2x16 Serial LCD Module (w/o backlight: #27910, w/backlight: #27923);
- printed documentation with sample BS1 and BS2 programs;

BASIC Stamp is a registered trademark of Parallax, Inc.