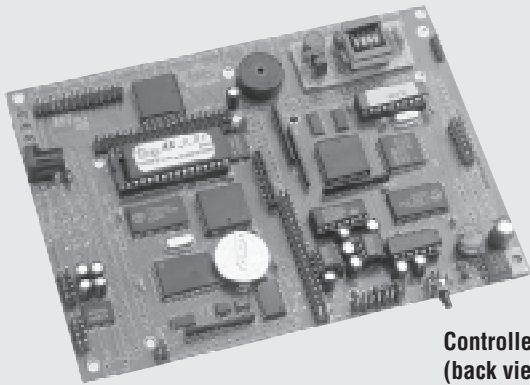


SmartLCD™ (SL)

1/4 VGA, Touch Screen, CCFL, ADC, DAC, and PCMCIA

40MHz!



Controller PCB (back view)

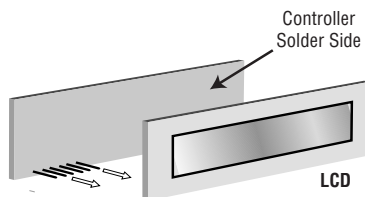


1/4 VGA (front view)

Features:

- 6.4x 4.7x 1.3" (PCB 0.7" LCD 0.5")
- 40MHz 188, program in C/C++
- 320x240 graphic LCD, SED1335, touch screen, CCFL (module size 167x109 mm; viewing area 121x91 mm)
- LCD: Black and White
- 50mA standby, or 260mA with backlight, at 12V
- Dual PCMCIA Flash card support, up to 1GB each
- Up to 512KB SRAM, 512KB ROM/Flash *
- 512-byte EE, 48+ TTL I/Os, plus 7 solenoid drivers
- Real-time clock, battery, 20 ch. 12-bit ADC, 4 ch. 12-bit DAC *
- Up to 3 RS-232/485 ports *

* optional



The **SmartLCD™ (SL)** is a complete, user interface plus embedded controller. The **SL** includes a graphic LCD with 320x240 pixels, touch screen with 70 keys, CCFL backlighting, LCD controller (SED1335), and a C/C++ programmable controller (188). All power supplies including a 5V switching regulator, -24V, ±12V, programmable contrast voltage, and CCFL are on-board. Everything is designed into a single PCB, mounted on the backside of the LCD for easy productive software development, with complete hardware readiness.

Extensive, well written, useful software libraries and samples are provided. User can easily design their custom function keys, text, logo, and graphics.

The **SL** supports up to 512KB ROM/Flash, 512KB battery-backed SRAM, 512-bytes serial EEPROM, real-time clock (RTC72423), three timers, watchdog, and up to three serial ports (RS-232/485). Three PPIs provide 24x3 I/Os, in addition to the 32 multifunctional CPU I/O pins, allowing at least 40+ I/Os free to use.

There are seven solenoid drivers capable of sinking 350mA at 50V, each. Two solenoid drivers are used to control the CCFL backlighting. Up to 2 FC-0 or 2 MMB can be used for additional support. Each can support up to 1GB PCMCIA or CompactFlash card. MMB can add 39 additional ADC inputs, including 6 channels of 24-bit ADC.

The **SL** is not only a user interface, but also a high performance embedded controller which can easily be integrated into an OEM product. An aluminum bezel is available.

Ordering Information

SL **\$599**

Includes: 320X240 LCD, touch screen (7x10), CCFL, 188 40MHz, PPIs, SED1335, 11 ch. ADC, 2 ch. DAC, 512KB SRAM, power supplies, beeper.

NOT including options. OEM option discounts available.

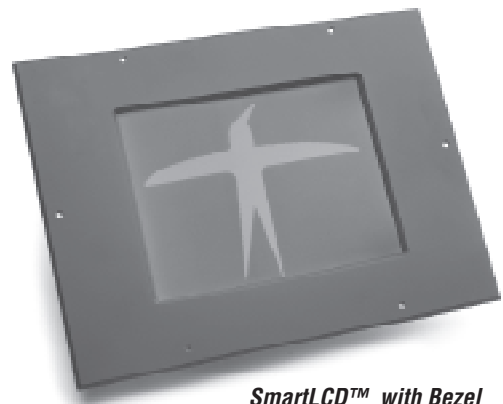
Add-on Options:

- | | |
|---|------|
| 1) Debug ROM (AE_0_115) | \$30 |
| 2) Real-time clock (RTC) and battery | \$20 |
| 3) UART (SCC2691) w/ (a) RS232 or (b) RS485 | \$30 |
| 4) 2 ch. 12-bit DAC (LT1446) | \$40 |
| 5) 10 ch. of 12-bit ADC (TLC2543) | \$30 |
| 6) Bezel + gasket | \$50 |

Typical Order Example:

SmartLCD™ 40MHz + Debug ROM

SL+ 1 = \$599 + \$30 = \$629



SmartLCD™ with Bezel



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