Locus Engineering Inc.   E2330

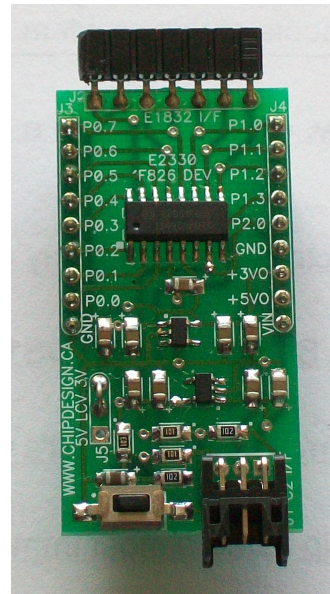**Preliminary**   **C8051F805 Development Board**

FEATURES

- +5.0V and +3.3V regulator outputs
- Complete C2 program interface with reset switch
- 13 I/O port pins with header
- Display + Select & Enter switch interface
- 256 + 256 bytes RAM
- 16KB Flash program memory, in-system programmable
- (3) 16 bit timer/counters
- 16 bit programmable counter array
- UART 1200baud to 230.4Kbaud
- 10 bit ADC @500Ksamples/s with 12 input multiplexer
- comparator
- ADC reference voltage output
- open drain or push pull outputs

APPLICATIONS

- microcontroller development

DESCRIPTION

The E2330 C8051F805 microcontroller development board allows low cost evaluation of the high performance 'F805 series (8051 architecture) of Silicon Labs microcontrollers. The microcontroller includes an internal 24.5MHz oscillator and executes most instructions within 1 or 2 clock cycles. The board includes a header compatible with the E1832 Display Switch Interface which allows LCD sizes up to 4 lines x 20 characters and Select & Enter keyswitches to be used. The module includes male header pins which bring out all 13 port pins as well as the power pins. This module requires the E1945 6 Pin C2 Programming Interface.