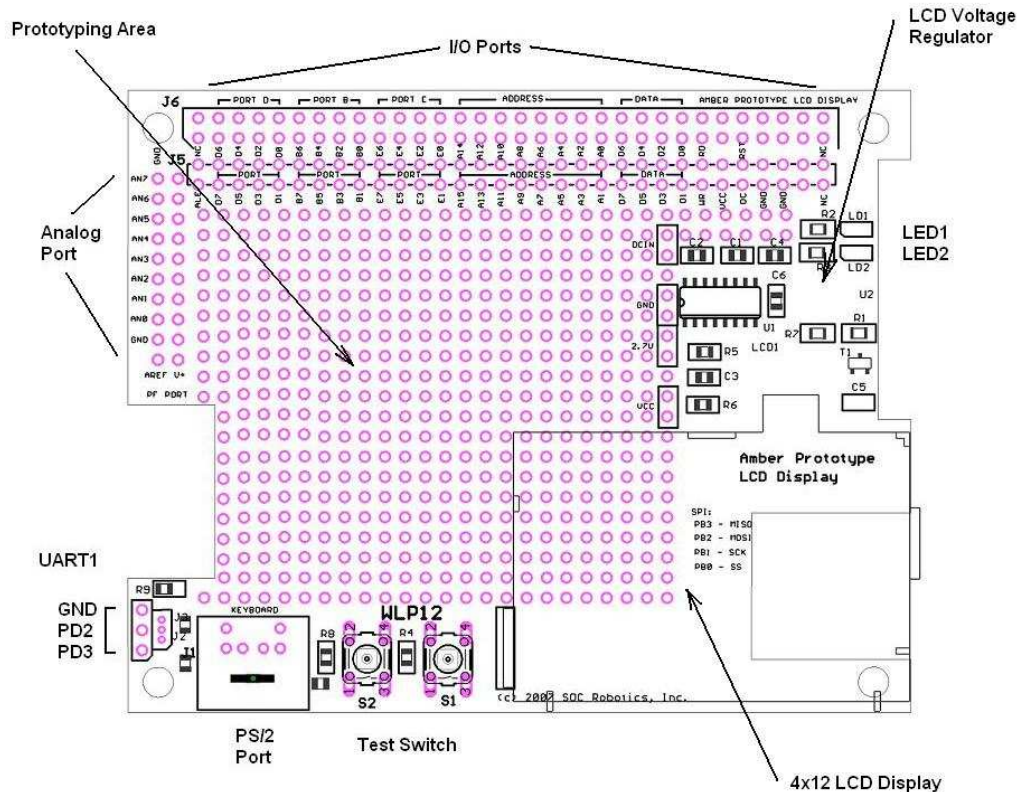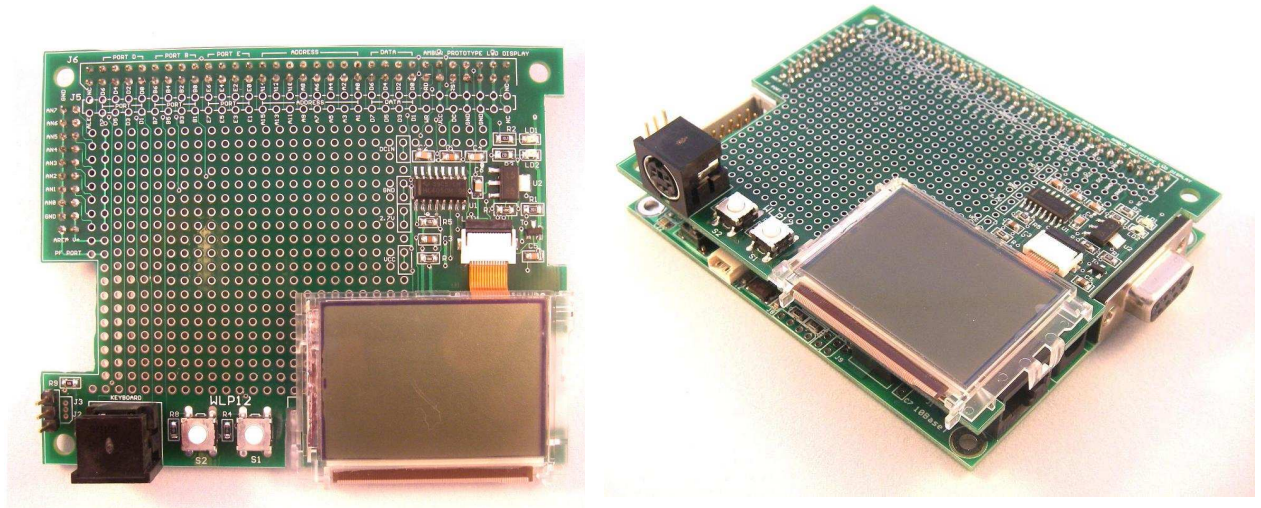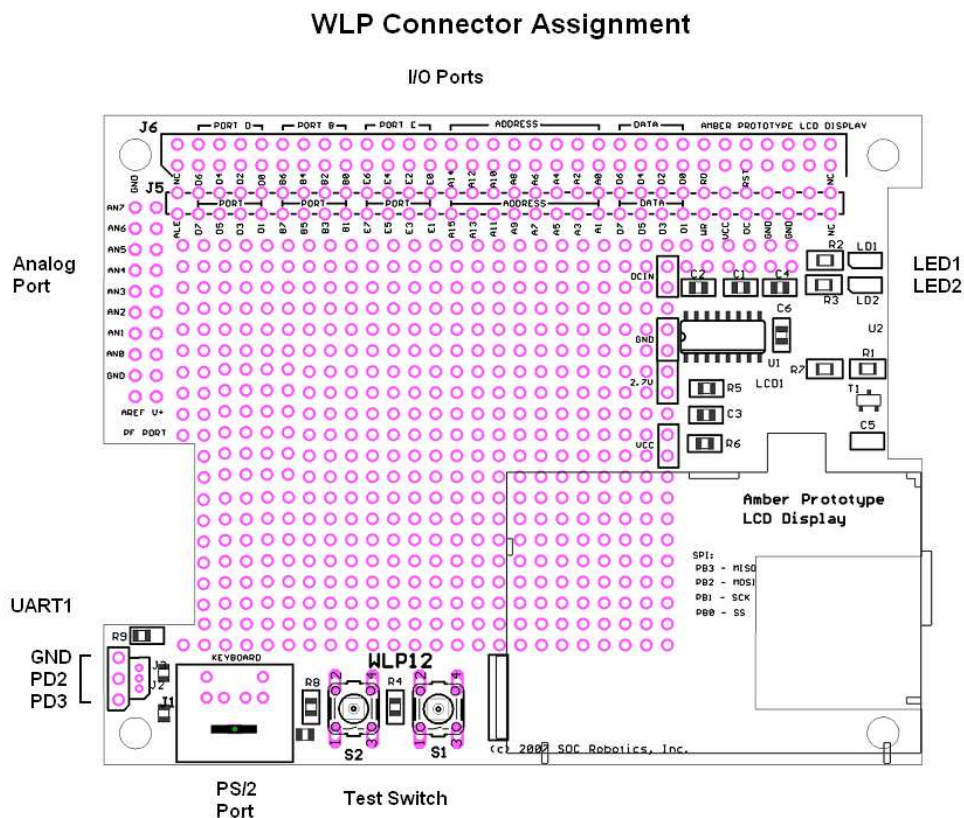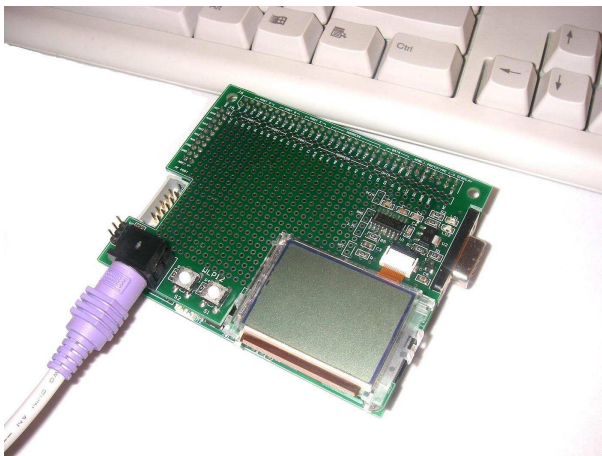# WLP12 Connector Assignment and Schematics

The WLP12 is a daughter card that attaches to the Amber Web Server and provides a 4x12 monochrome LCD display and PS/2 compatible keyboard and mouse interface connector. The product is shipped with a sample application that provides a rudimentary software interface to the LCD and keyboard. Project files compatible with the ImageCraft ICCAVR C IDE is included on the supplied CD.
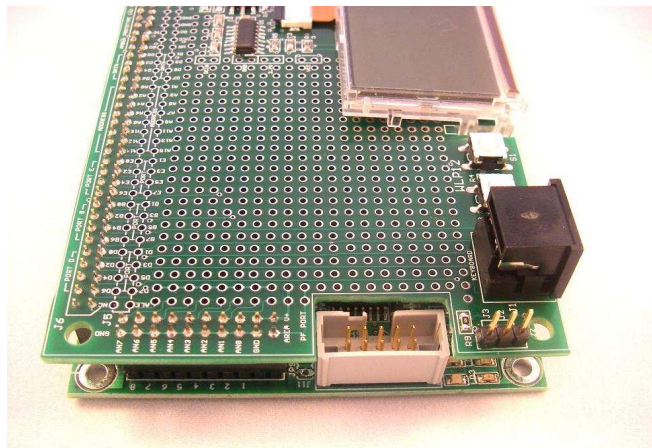

WLP functional components.

Connector locations and functions.

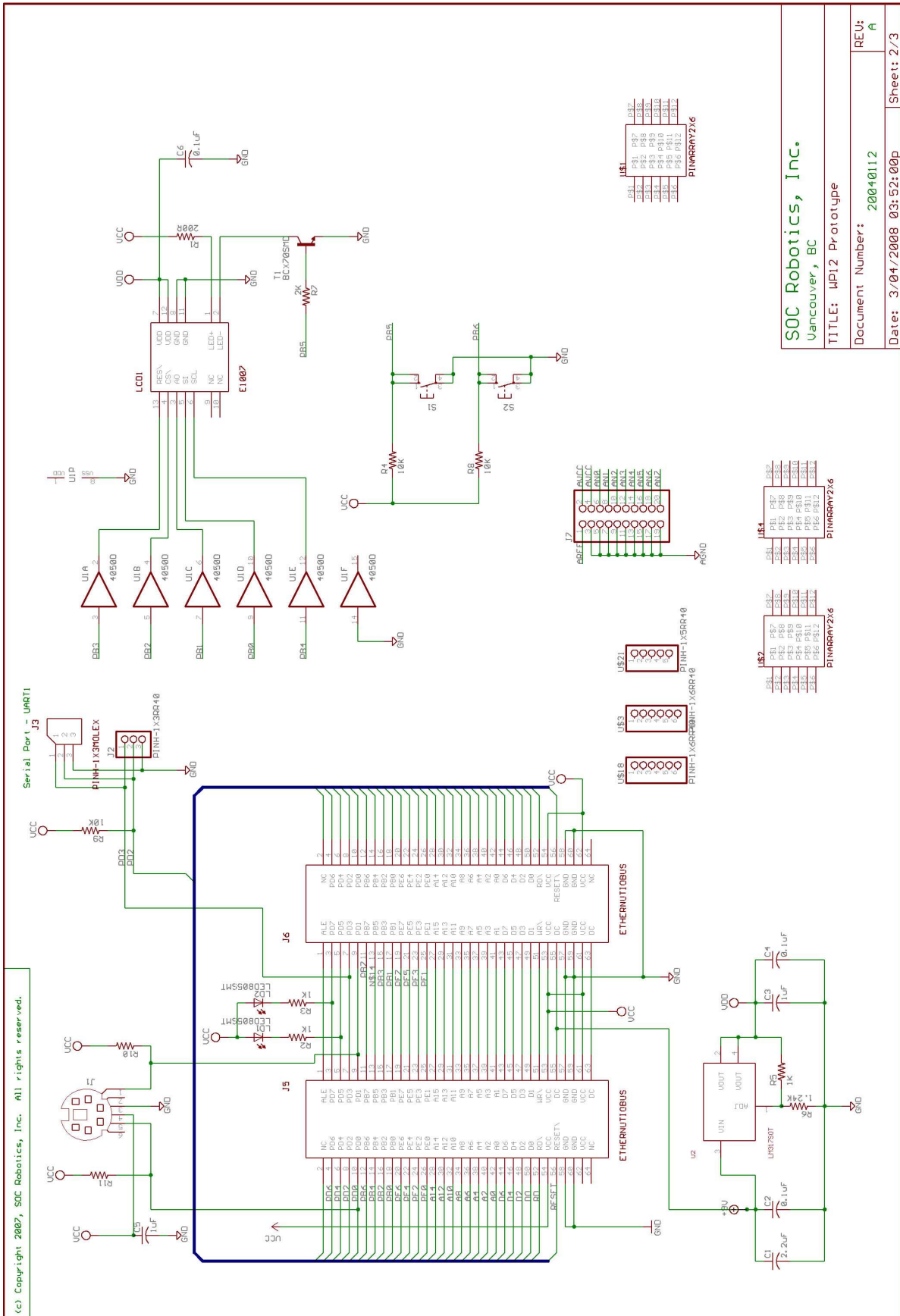Keyboard attached to WLP12

ISP Programming port

Software for the WLP12 is available from the SOC Robotics Web site – www.soc-robotics.com. Go to the Amber Product page and download the latest Amber SDK V1.3. The software verifies basic functionality.

WLP12 Circuit Schematics

WP12 Prototype and LCD Display

Rev 1.0

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Vancouver, BC

TITLE: WP12 Prototype

Document Number:
20040112

REV:
A

Date: 3/04/2008 03:52:00p

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Vancouver, BC

TITLE: WLP12 Prototype

Document Number:

20040112

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Sheet: 2/3

REV: A

Serial Port - UART1

J3

J2

PINH-1X3MOLEX

PINH-1X3RR40

ETHERNUT10BUS

J5

J6

ETHERNUT10BUS

PINH-1X6RR40

PINH-1X6RR40

PINH-1X5RR40

LCD1

E1007

40500 — U1A, U1B, U1C, U1D, U1E, U1F

PINARRAY2X6

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