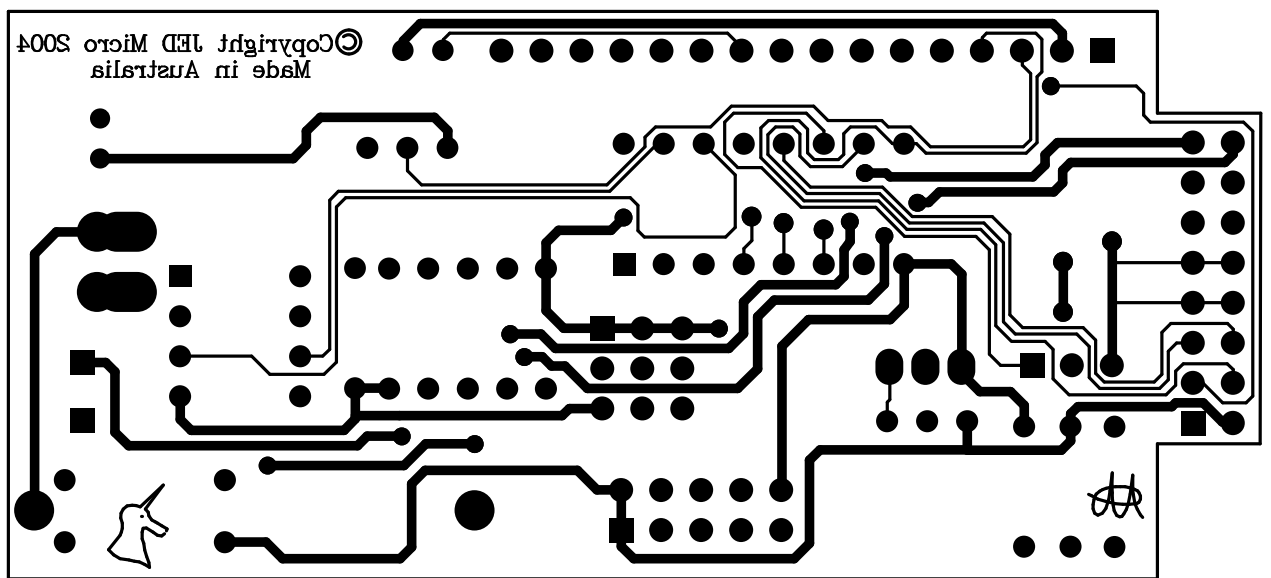


JED MICROPROCESSORS PTY LTD
BORONIA VICTORIA 3155

Date 29-Jul-2004
Time 14:43:45

Board title 210v0.PCB

Scale SCALE: 2.09

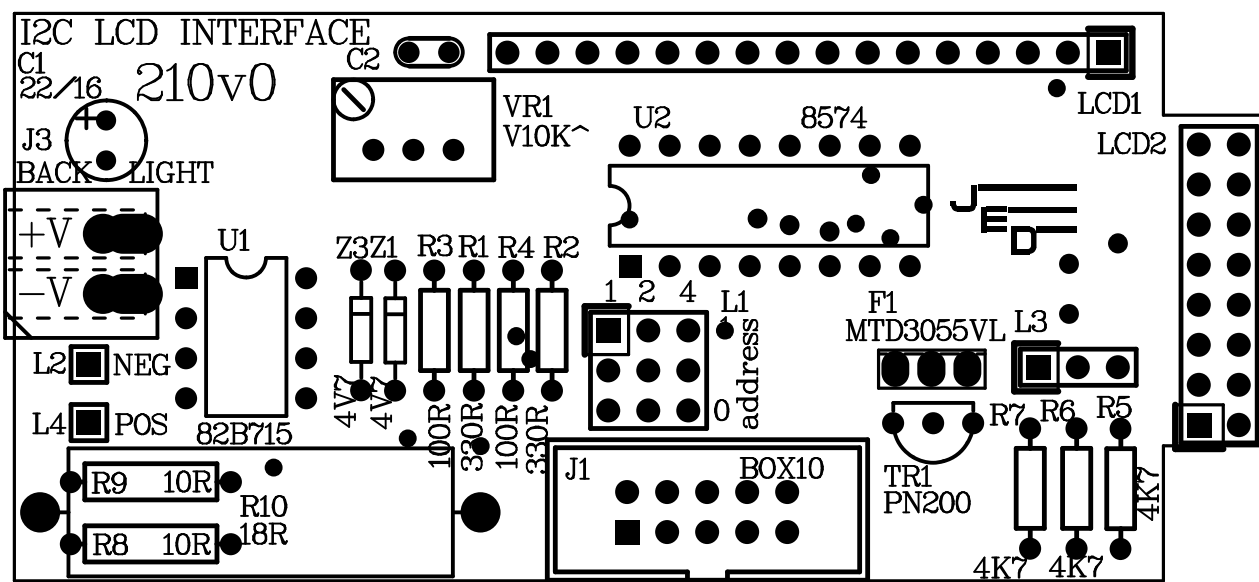


JED MICROPROCESSORS PTY LTD
BORONIA VICTORIA 3155

Date 29-Jul-2004
Time 14:43:45

Board title 210v0.PCB

Scale SCALE: 2.09

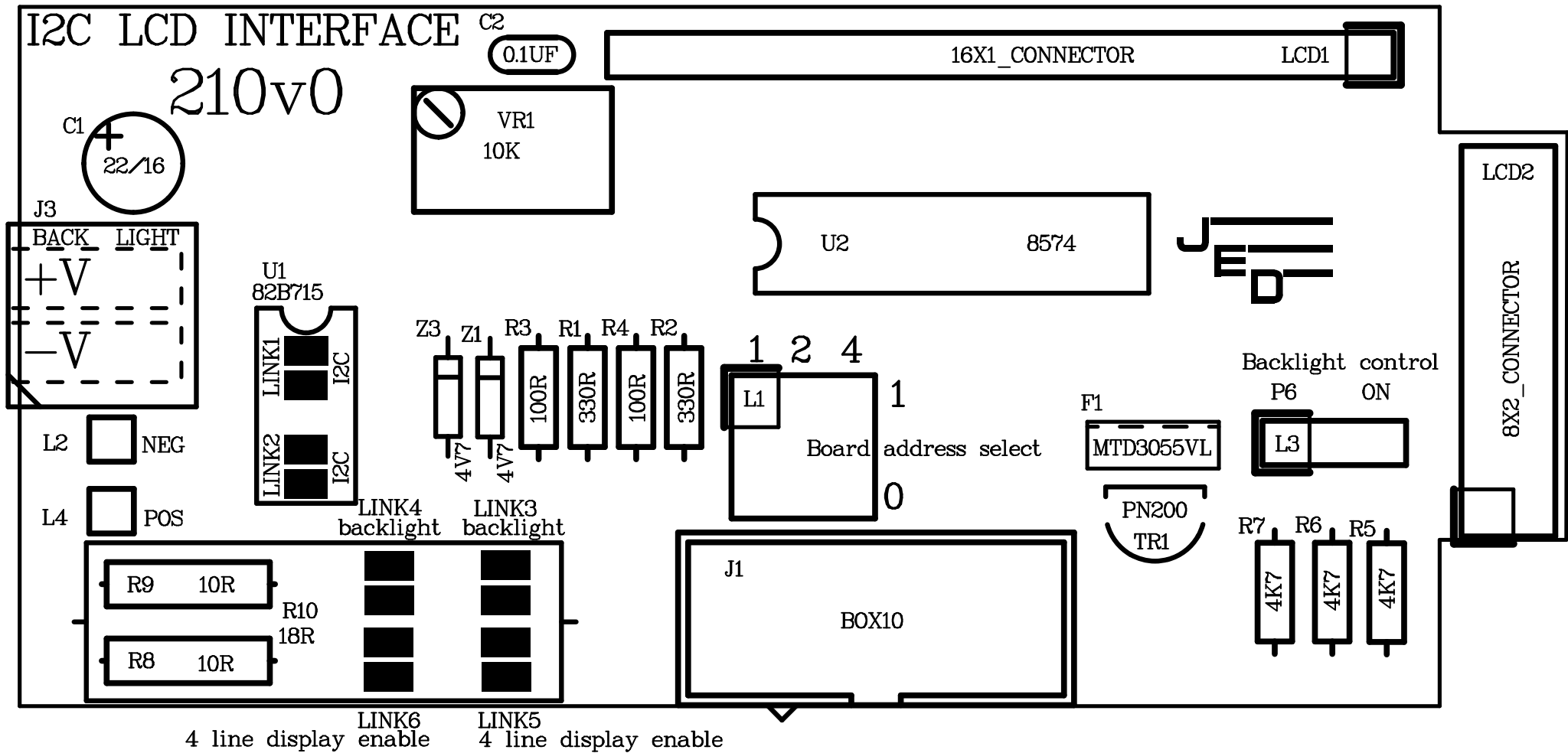


JED MICROPROCESSORS PTY LTD
 BORONIA VICTORIA 3155

Date 29-Jul-2004
 Time 14:43:45

Board title 210v0.PCB

Scale SCALE: 2.09



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Date 29-Jul-2004

BORONIA VICTORIA 3155

Time 14:41:42

Board title bits of 210v0.PCB

Scale SCALE: 2.34

I2C interface
210v0.S01

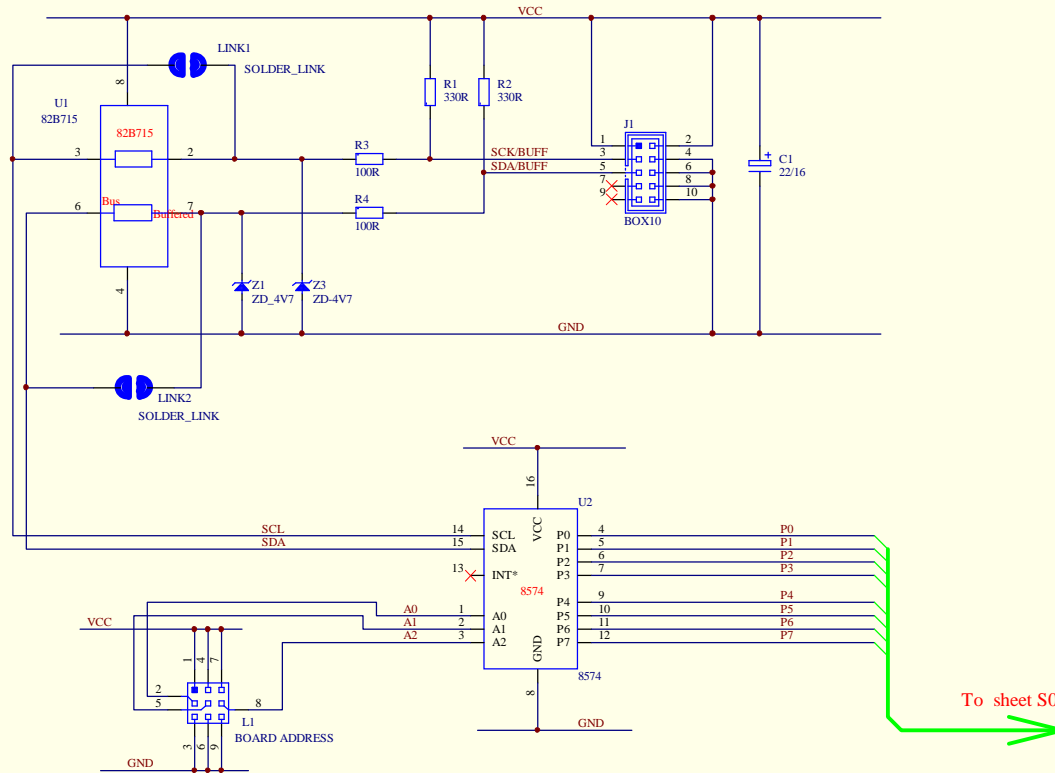
I2C interface

LCD
210v0.S02

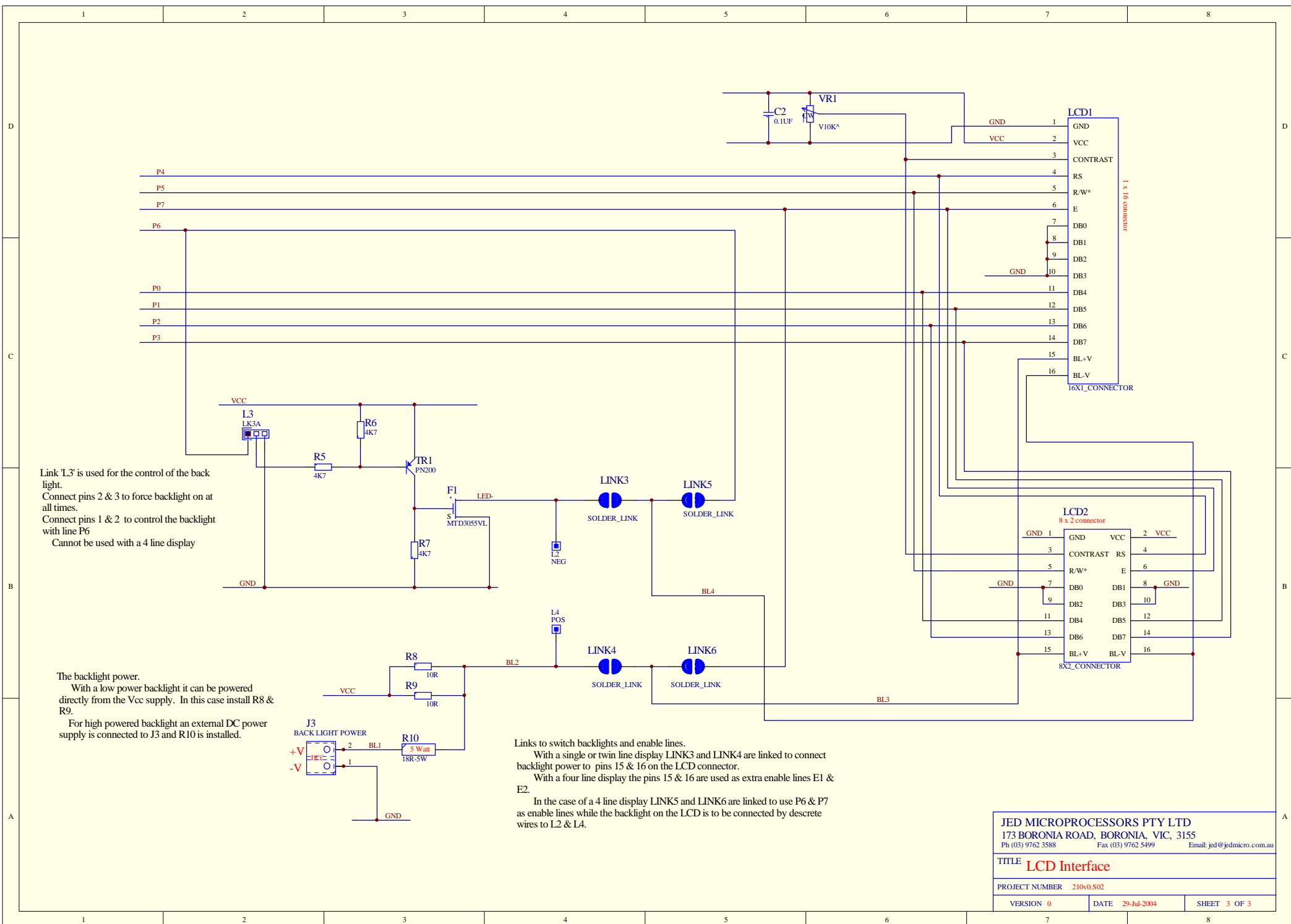
LCD connections

JED MICROPROCESSORS PTY LTD 173 BORONIA ROAD, BORONIA, VIC, 3155 Ph (03) 9762 3588 Fax (03) 9762 5499 Email: jed@jedmicro.com.au		
TITLE LCD interface		
PROJECT NUMBER 210v0.Sch		
VERSION 0	DATE 29-Jul-2004	SHEET 1 OF 3

R3 & R4 are 10R if output is in buffered mode.
 R3 & R4 are 100R if output is in NON buffered mode.
 If in NON buffered mode U1 is omitted and LINK1 & LINK2 are shorted.



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PROJECT NUMBER 210v0.S01		
VERSION 0	DATE 29-Jul-2004	SHEET 2 OF 3



Link 'L3' is used for the control of the back light.
 Connect pins 2 & 3 to force backlight on at all times.
 Connect pins 1 & 2 to control the backlight with line P6
 Cannot be used with a 4 line display

The backlight power.
 With a low power backlight it can be powered directly from the Vcc supply. In this case install R8 & R9.
 For high powered backlight an external DC power supply is connected to J3 and R10 is installed.

Links to switch backlights and enable lines.
 With a single or twin line display LINK3 and LINK4 are linked to connect backlight power to pins 15 & 16 on the LCD connector.
 With a four line display the pins 15 & 16 are used as extra enable lines E1 & E2.
 In the case of a 4 line display LINK5 and LINK6 are linked to use P6 & P7 as enable lines while the backlight on the LCD is to be connected by discrete wires to L2 & L4.

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TITLE LCD Interface		
PROJECT NUMBER 210v0.S02		
VERSION 0	DATE 29-Jul-2004	SHEET 3 OF 3