

NOTE: THIS WIRING IS FOR FITTING ONE DISPLAY ONLY, A 4 x 20, CHARACTER BASED LCD.

WIRE 'J6B' AS PER THE DIAGRAM TO THE DISPLAY.

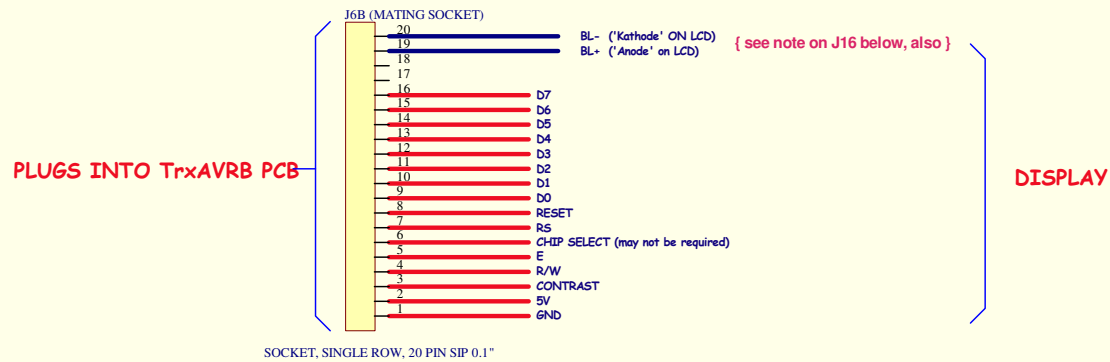
FOR CONNECTING A 4 x 20 CHARACTER BASED LCD, THE CONTRAST CONTROL IS 'VR3' LOCATED IN THE TOP CORNER OF THE PCB. R108 SHOULD BE A 10 k RESISTOR AND R109 MUST NOT BE FITTED !

IF IN DOUBT, PLEASE ASK !

DISPLAYS ARE VERY EXPENSIVE !
CHECK ALL WIRING AGAINST DATA SHEET AND Trxavrbc SCHEMATICS BEFORE FITTING.

THE PIN-OUT OF THE DISPLAY IS NOT GIVEN, AS VARIOUS BRANDS MAY USE A DIFFERENT PIN-OUT.

PLEASE REFER TO THE DATA SHEET FOR THE DISPLAY YOU HAVE FOR DETAILS.

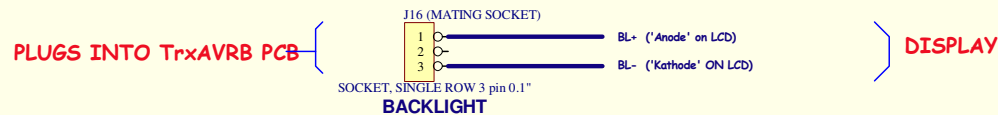


DO NOT ASSUME THAT CABLE IS A 1:1 CONNECT!

CHECK YOUR DISPLAY WIRING.

THE BACKLIGHT RESISTORS, R112, R113, R114 & R115 VALUES SHOULD BE CALCULATED FOR THE BACKLIGHTING CURRENT PER YOUR DATA SHEET.

MOST LCD'S WITH BACKLIGHTING HAVE TERMINALS MARKED 'A' & 'K' THESE CONNECT TO J16. Ensure you connect the right way round.



NOTE:- BACKLIGHT CONNECTIONS ARE FOR CURRENTS LESS THAN 200mA ONLY.

Alternate Backlight connections may be made using J6B above on pins 19 and 20. Then, J16 (to left) is not required.

'R_BL1' should be fitted. Use Zero ohms or a wire link.

THE CONNECTORS SHOWN HERE ARE NOT ON THE BOM.

Title Trxavr 4 X 20 LCD CONNECTIONS		
Size B	Number VK3PE	Revision DRAFT
Date: 27-Aug-2009	Sheet of	
File: F:\TrxAVR PCB\Trxavrbc_4x20_LCD CONNECTIONS_1.Sch		

NB: If you want to run dual display then note that PL1 and PL2 are then used for E and RW (DETAILS LATER)