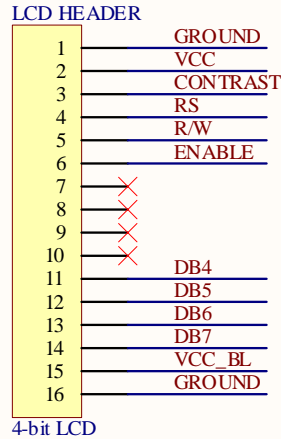


Hitachi LCD Pinout

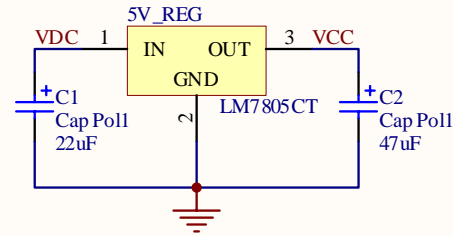
- 01 - Ground (Vss)
- 02 - 5V (Vcc)
- 03 - Contrast (Vo)
- 04 - Register Select (RS)
- 05 - Read/Write (R/W)
- 06 - Enable (E)
- 07 - Data0 (DB0)
- 08 - Data1 (DB1)
- 09 - Data2 (DB2)
- 10 - Data3 (DB3)
- 11 - Data4 (DB4)
- 12 - Data5 (DB5)
- 13 - Data6 (DB6)
- 14 - Data7 (DB7)
- 15 - Backlight 5V (Vcc - Needs Resistor)
- 16 - Backlight Ground (Vss)

16-Pin LCD Header

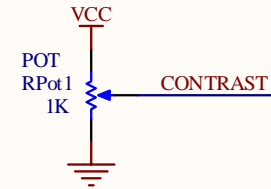


5V 7805 Regulator

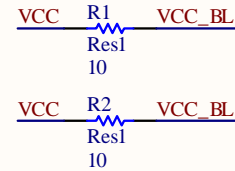
7V < VDC < 24V



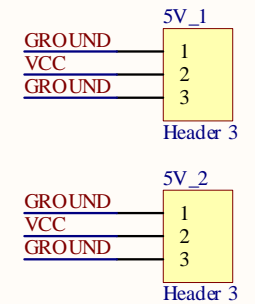
Contrast Adjustment Potentiometer



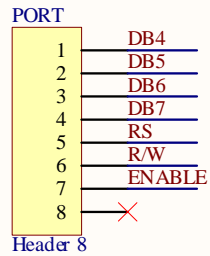
LCD Backlight Resistors



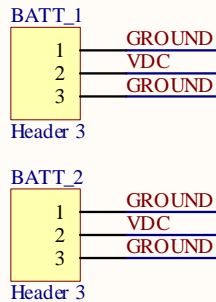
VCC Pin Headers



Input Port (from microcontroller)



VDC Pin Headers



Title: Microcontroller to Hitachi Compatible LCD Interface w/ LCD Header

Designed By: Steven Pickles
(spickles@ufl.edu)

Date: September 28, 2005

Sheet Number: 01 / 01

Revision: A

Notes: Connect a 7+ bit port from the microcontroller to the port on this PCB. Since this is for an LCD with a 4-bit interface, certain pins will be unrouted.
For more information: www.spickles.org/projects/lcd-header-pcb/