

# Touch Screen Display Module Startup Instructions

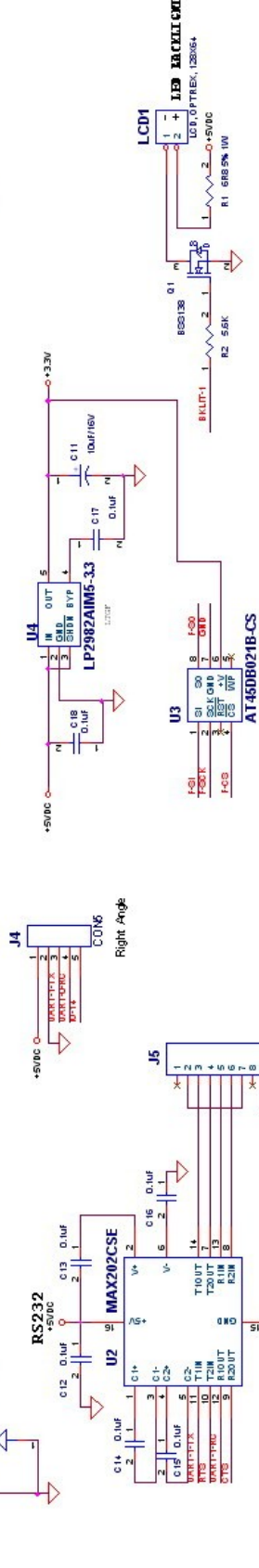
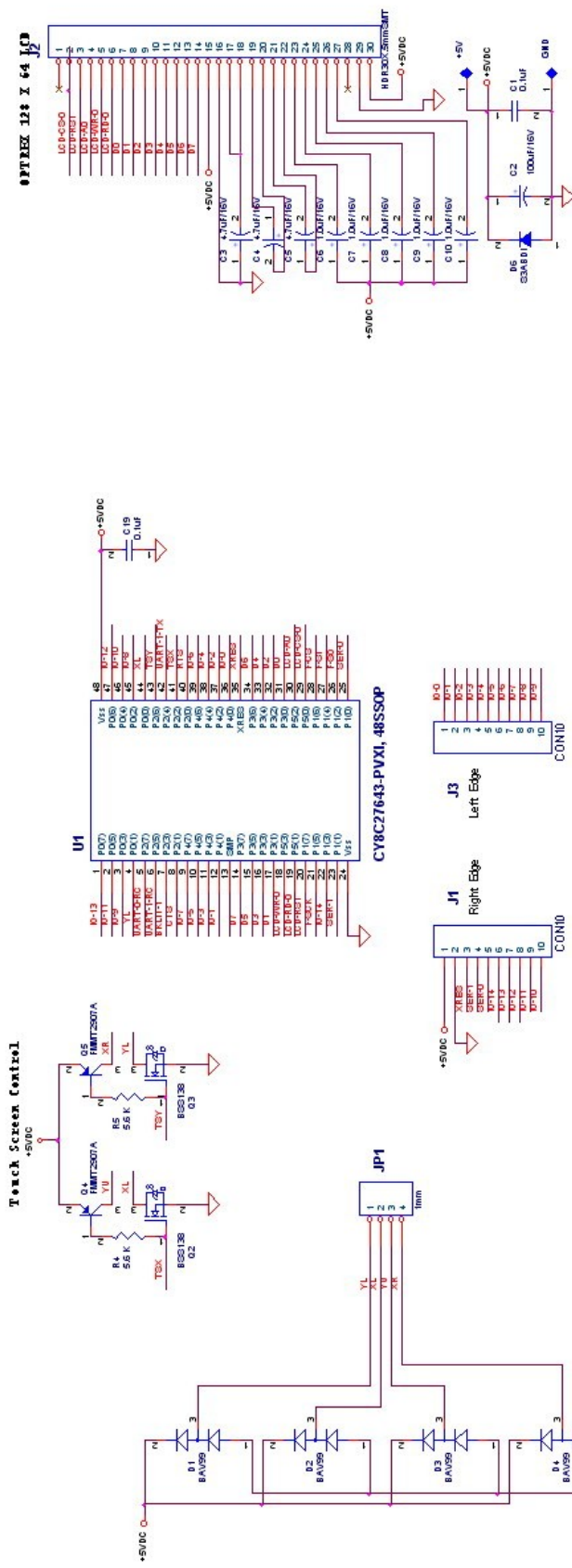
## Initial Testing:

1. Remove module from packaging.
2. Connect +5 volts and ground to the module.
  - A. Through connector J4 pin 1 to +5 volts and pin 2 to ground.
  - B. Or through connector J1 pin 1 to +5 volts and pin 2 to ground.
3. Turn on power.
4. Press anywhere on the screen to go into the local control mode.
5. After finishing a tour of the local control mode, you should be back to seeing the logo on the screen.
6. You can now use the RS232 level serial interface to test the display commands.
7. To force the display to 9600 baud, jumper pins 9 and 10 of connector J3 on the left side of the controller board.

## Testing the serial interface:

1. If you want to connect to a PC, attach the cable with DB9 connector to your PC and the other end to the ten pin black connector in the left bottom side of the controller board.
2. Use a terminal program such as terminal.exe or hypertext to communicate to the display module. You may also download a utility program, CS2UTIL.exe, from [www.simmetry.com](http://www.simmetry.com) that provides a simple terminal program along with the ability to download screens and programs to the module.
3. The correct serial parameters are no parity and one stop bit. The baud rate is 9,600, 19,200 or 38,400. Send a "\*" and carriage return at each baud rate and wait for a ">" to be returned. You are now at the current baud rate, which may be changed with a software command.
4. Please go to [www.simmetry.com](http://www.simmetry.com) for instructions on the available commands.
5. To use an RS-232 connection at TTL levels, such as from a Basic Stamp, PIC or 8051, connect the RS-232 output of your microprocessor to pin 4 of J4 and the RS-232 input to pin 3 of J4. Connector J4 is on the middle of the bottom of the board. J4 may also be used for power connection.

**Touch Screen Control**



**CS-2 Revision D**

**FILE: CS-2-REV-D.DSN**

**WILESS OTHERWISE NOTED:**

**1. ALL RESISTORS 0000 1% SMT**

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