062 LCD Oscilloscope

Assembly Notes

1. **Only install parts listed in the part list attached with the kit. Ignore components that appear in schematic but not in the part list.**
2. **First install all parts at the back. It is recommended to do soldering in following order:**
   1) SMD ICs
   2) Small SMD components (i.e. resistors, capacitors, and inductors)
   3) Through-hole components.
3. **Please pay special attention when installing following parts.**
   1) The polarity of D1 and D7 (shown in Fig. 1 below). If D7 is placed wrong Q1 would be easily get burnt.

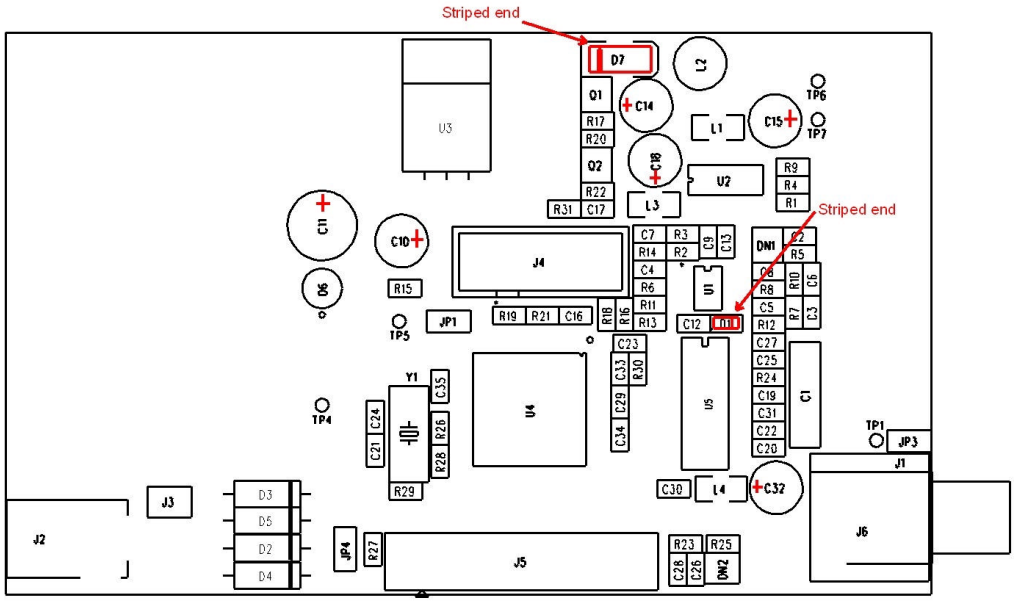

Fig. 1

   2) Reverse C14, i.e. put its negative pin into the square pad. This is because of a design error.

4. **After all parts at back have been installed check to ensure no errors. Apply +9V DC power supply to J2 (or J3) if every thing is fine. Measure voltage at TP5 to see if it is +5V.**
5. **If voltage at TP5 is ok then short JP1 and check the voltage again.**
6. **If no abnormal found, then go ahead to install the rest parts at the front.**

   You may need to cut some soldered leads on the front side flat to avoid conflict with the LCD panel, especially those of J4.

7. **At installing LCD panel connecting pins should be soldered to LCD module first (Fig. 2 & 3). The 20 position pins should be placed at the side with signal labels. Since there are same holds on both side of the module it is easy to misplace pins to the other side. AVOID THIS!!!**

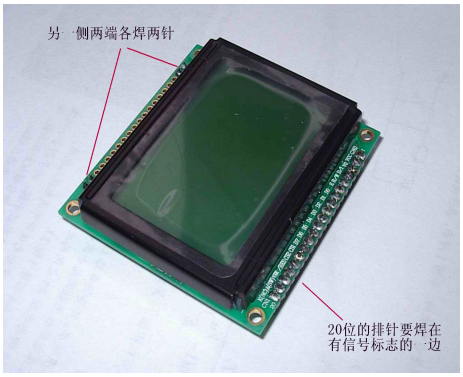

Fig. 2

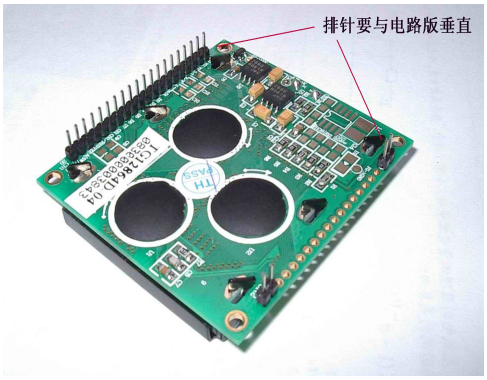

Fig. 3

8. **After all parts have been installed power the scope up. If everything is OK you should see the scope displays firmware version information briefly and enters normal working state.**

9. **You need to make a simple probe yourself. This can easily be made with a segment of regular video cable. Cut a cable. Keep one end with RCA plug. Attach two clips to the other end. A simple probe is done.**

10. **It is recommended that only +9V power supply be used. Higher power supply voltage will make U3 (LM7805) hotter. In that case attaching a small heatsink to the IC is recommended.**

11. **In case you have problem with the assembled kit please go to www.jyetech.com for a detailed troubelshooting note. You can also write us at jyetek@gmail.com for technical support.**