

**SerLCD 16x2**  
**14072, 14073**  
**Engineer: Nathan Seidle**  
**Test Dev: Pete Lewis 11/15/2016**

1. Grab test fixture #579 (includes pogobed and Pi\_grammer).
2. Power bed with 7V, 600mA
3. Power Pi\_grammer via USB input.
4. Plug Pi\_grammer into pogobed (3x2 AVR ISP header).
5. Place LCD screen on test jig. Close waffle top. Use clamp to hold down.
6. Tap "PRETEST & PWR", and verify PRETEST PASS LED comes on.
7. Tap "PROGRAM" on Pi\_grammer. Verify 3 pass LEDs (Fuse/Flash/Lock).
8. Tap "TEST" on pogobed. Verify PASS LED comes on.
9. Verify the backlight comes on with RED, GREEN, then BLUE.
10. Verify correct character readout on screen.
11. Boards good. Power down.

\*When you tap TEST, the following things are tested:

- I. 3.3V output from product is correct.
- II. Serial, I2C, and SPI ping tests.
- III. Reset via DTR control pin.

\*To see more granular test results/failures, listen to the Flying Jalapeno with an FTDI basic at 9600 BAUD.