Table 1 – Initialization Function Test

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| **Test Writer:** | | Aaron Zukley |  |  |  |  |
| **Test Case Name:** | | LCD Initialization Function | **Test ID #:** |  |  | Driver Test |
| **Description:** | | Verify operation of the initialization function for the LCD | **Type:** | |  | White Box |
| **X** | Black Box |
| **Tester Information** | |  |  |  |  |  |
| **Name of Tester:** | |  | Date: |  |  |  |
| **Hardware Ver:** | | 1.0 | Time: |  |  |  |
| **Setup:** |  | Connect STK600 Port\_X\_ to the LCD board input pins | | | | |
| **Test** | **(Test Variable)** | **Expected Result** | **Pass** | **Fail** | **N/A** | **Comments** |
| 1 | 4 bit Mode | Test messages can be written |  |  |  |  |
| 2 | 8 Bit Mode | Test messages can be written |  |  |  |  |
| 3 | Display On | Display is initialized on setting the #define to 1 |  |  |  |  |
| 4 | 2 Line Mode ON | Test message writes to 2 lines |  |  |  |  |
| 5 | Cursors | Cursors Initialized On |  |  |  |  |
| 6 | Cursors Blink Mode | Cursor Blinks on display |  |  |  |  |
| 7 | Increment Mode | When writing a message the message writes from left to right |  |  |  |  |
| 8 | Entire Shift Mode | When writing a message the entire display moves rather than the cursor |  |  |  |  |
| **Overall Test Result:** | |  |  |  |  |  |