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**Test Cases**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Test Case** | **Expected Result** | **P506.R1B-01**  **XXX044398** | **P506.R1B-02**  **XXX044281** | **P506.R1B-03**  **XXX044307** | **P506.R1B-04**  **XXX044323** | **P506.R1B-05**  **XXX044414** |
| **Basic Tests** | | **PASS** | **PASS** | **PASS** | **PASS** | **PASS** |
| 3V3 REG (V)  IC102 Out | 3.27 to 3.35 V | 3.299v  Pass | 3.276v  Pass | 3.302v  Pass | 3.286v  Pass | 3.298v  Pass |
| AVCC REG (V)  IC101 Out | 3.27 to 3.35 V | 3.301v  Pass | 3.293v Pass | 3.302v  Pass | 3.273v  Pass | 3.291v  Pass |
| RGB LED | Blink RGB LED | Pass | Pass | Pass | Pass | Pass |
| USART1 Debug Print | Debug Print | Pass | Pass | Pass | Pass | Pass |
| User Button | Check Interrupt of user button (Check on Serial Print) | Pass | Pass | Pass | Pass | Pass |
| **Advance Tests** | | **YTA** | **YTA** | **YTA** | **YTA** | **YTA** |
| I2C Test | Check I2C sensor |  |  |  |  |  |
| SPI | Read from SD Card |  |  |  |  |  |
| USART2 | File Transfer on USART2 |  |  |  |  |  |

**Issues Observed**

|  |  |  |  |
| --- | --- | --- | --- |
| **SL#** | **Issue Type** | **Issue Description** | **Possible Solution** |
| 1 | Design |  |  |
| 2 | Component |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |