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| Test Writer | | Abbigail Caballero | | | | | |
| Test Case Name | | Merge Circuit MCU Communication Test | | | | Test ID# | MRG-IT-2 |
| Description | | Verify that the communication system on the merge circuit is functional | | | | Type | Whitebox |
| Test Information | | | | | | | |
| Name of Tester | |  | | | | Date |  |
| Hardware Version | | Merge Board 1.0 | | | | Time |  |
| Setup | | Attach 14.8V power supply to merge circuit. Attach USB to Teensy, and open a UART terminal at 9600 Baud for data collecting. Upload UART test code. Turn on Power Supply. | | | | | |
| Step | Action | Expected Results | Pass | Fail | N/A | Comments | |
| 1 | Send command to MCU via UART Terminal at 9600 Baud | Teensy receives UART command, sends data to terminal. |  |  |  |  | |
| 2 | Observe terminal printout | UART Terminal receives serial data from Teensy, prints to screen |  |  |  |  | |
| 3 | Close UART Terminal. Turn off power supply and disconnect from the merge board. | None |  |  |  |  | |
| Overall Results | | |  |  |  |  | |