**Mechanical Archer  
Control Box Data Port Testing**

**Output Testing**

Tested directly on control box:

|  |  |  |  |
| --- | --- | --- | --- |
| **Output being tested** | **Pin 1 voltage** | **Pin 2 voltage** | **Pin 3 voltage** |
| Draw | 5.037 | 0.009 | 0.010 |
| Reset | 0.009 | 5.037 | 0.009 |
| Fire | 0.009 | 0.009 | 5.036 |

Tested through the data cable

|  |  |  |  |
| --- | --- | --- | --- |
| **Output being tested** | **Pin 1 voltage** | **Pin 2 voltage** | **Pin 3 voltage** |
| Draw |  |  |  |
| Reset |  |  |  |
| Fire |  |  |  |

**Input Testing**

Tested directly on control box:

|  |  |  |
| --- | --- | --- |
| **Input** | **High input** | **Low input** |
| fOptic | H | L |
| rOptic | H | L |
| fBump | H | L |
| rBump | H | L |
| eStop | H | L |

Tested through the data cable:

|  |  |  |
| --- | --- | --- |
| **Input** | **High input** | **Low input** |
| fOptic |  |  |
| rOptic |  |  |
| fBump |  |  |
| rBump |  |  |
| eStop |  |  |