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| **User Story / Requirement ID** | **User Story/Requirement Under Test** | |
| 01 | Nema Stepper Response | |
| ***Is it valid?*** |
| yes |
| ***If not valid, what is the new/Extra information from Marketing/Product Owner?*** | | |
|  | | |
| **Test Case ID** | **Test Case Name** | |
| 01 | · Correct response from stepper motors | |
| Preconditions | Open Serial Terminal in Computer  Circuit Connected Appropriately  Serial Communication Module Connected  Program Compiled and Debugged  Stepper Motor and Driver Connected | |
| Inputs | Keyboard to Serial Terminal  Serial Communications Module | |
| **Test Case Steps** | | |
| **Step Number** | **Step description** | **Expected Result** |
| **1** | Get Stepper Motor to move in any direction | Stepper motor should move when the terminal commands it to. |
| **2** | Get Stepper Motor to move the desired steps | The stepper motor should move exactly as the terminal tells it to. |
| **3** | Get two Stepper Motors to move independently | Each motor should move independently according to the Core XY Mechanism. |
| **4** | Get two motors to move to a desired location. | Both motors should work together to get to desired location. |
| **Estimated Time** | 5 hours |  |