**Motor Controls II I/O Assignments**

Inputs 0-9, Outputs 0-5

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Number | **1** | **2** | **3** | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 |
| **Lab 1:** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ESTOP | 0 | 1 | **2** | 3 | 4 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 2 | 2 | 3 | 9 | 8 | 7 |
| STOP | 1 | 2 | 3 | 4 | 5 | 2 | 3 | 4 | 5 | 3 | 4 | 5 | 4 | 5 | 5 | 8 | 7 | 6 |
| START | 2 | 3 | 4 | 5 | 6 | 3 | 4 | 5 | 6 | 4 | 5 | 6 | 5 | 6 | 6 | 7 | 6 | 5 |
| Run/Jog | 3 | 4 | 5 | 6 | 7 | 4 | 5 | 6 | 7 | 5 | 6 | 7 | 6 | 7 | 7 | 6 | 5 | 4 |
| LIM | 4 | 5 | 6 | 7 | 8 | 5 | 6 | 7 | 8 | 6 | 7 | 8 | 7 | 8 | 8 | 5 | 4 | 3 |
| OL | 5 | 6 | 7 | 8 | 9 | 6 | 7 | 8 | 9 | 7 | 8 | 9 | 8 | 9 | 9 | 4 | 3 | 2 |
| MOT | 0 | 1 | 2 | 3 | 4 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 2 | 2 | 5 | 4 | 3 |
| IND | 1 | 2 | 3 | 4 | 5 | 2 | 3 | 4 | 5 | 2 | 3 | 4 | 5 | 4 | 5 | 4 | 3 | 2 |
| **LABS 2, 4, 5, 6\* and 7\*** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ESTOP | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 8 | 7 | 9 | 9 | 9 | 9 | 9 | 9 |
| STOP | 1 | 2 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 8 | 7 | 6 | 8 | 8 | 8 | 8 | 8 | 8 |
| FPB | 2 | 3 | 4 | 3 | 4 | 2 | 2 | 2 | 2 | 7 | 6 | 5 | 6 | 5 | 7 | 7 | 7 | 7 |
| RPB | 3 | 4 | 5 | 4 | 5 | 3 | 3 | 3 | 3 | 6 | 5 | 4 | 5 | 4 | 6 | 6 | 6 | 6 |
| R/J | 4 | 5 | 6 | 5 | 6 | 5 | 6 | 4 | 4 | 5 | 4 | 3 | 4 | 3 | 4 | 3 | 5 | 5 |
| FLIM | 5 | 6 | 7 | 6 | 7 | 6 | 7 | 6 | 7 | 4 | 3 | 2 | 3 | 2 | 3 | 2 | 3 | 2 |
| RLIM | 6 | 7 | 8 | 7 | 8 | 7 | 8 | 7 | 8 | 3 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 |
| OL | 7 | 8 | 9 | 8 | 9 | 8 | 9 | 8 | 9 | 2 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 |
| FMS | 0 | 0 | 0 | 1 | 1 | 2 | 0 | 0 | 0 | 1 | 1 | 2 | 5 | 5 | 5 | 4 | 4 | 3 |
| FIND | 1 | 1 | 1 | 2 | 2 | 3 | 2 | 3 | 4 | 3 | 4 | 4 | 4 | 4 | 4 | 3 | 3 | 2 |
| RMS | 2 | 3 | 4 | 3 | 4 | 4 | 1 | 1 | 1 | 2 | 2 | 3 | 3 | 2 | 1 | 2 | 1 | 1 |
| RIND | 3 | 4 | 5 | 4 | 5 | 5 | 3 | 4 | 5 | 4 | 5 | 5 | 2 | 1 | 0 | 1 | 0 | 0 |
| DCBrk\* | 4 | 5 | 2 | 5 | 3 | 1 | 4 | 5 | 1 | 5 | 0 | 0 | 1 | 0 | 3 | 0 | 5 | 4 |
| LAB 3 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ESTOP | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 0 | 0 | 0 | 9 | 8 | 7 | 6 | 5 | 4 | 3 | 9 |
| STOP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 2 | 3 | 4 | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 7 |
| START | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 3 | 4 | 5 | 7 | 6 | 5 | 4 | 3 | 2 | 1 | 6 |
| All OLS | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 4 | 5 | 6 | 6 | 5 | 4 | 3 | 2 | 1 | 0 | 5 |
| M1 | 0 | 1 | 2 | 3 | 0 | 0 | 0 | 1 | 1 | 2 | 5 | 4 | 3 | 2 | 5 | 5 | 5 | 4 |
| M2 | 1 | 2 | 3 | 4 | 2 | 3 | 4 | 3 | 4 | 4 | 4 | 3 | 2 | 1 | 3 | 2 | 1 | 2 |
| M3 | 2 | 3 | 4 | 5 | 3 | 4 | 5 | 4 | 5 | 5 | 3 | 2 | 1 | 0 | 2 | 1 | 0 | 1 |