

1	2	3	4	5	6	7	8
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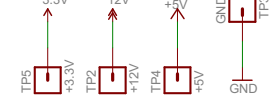
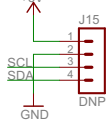
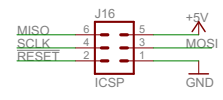
12C ADDRESS MAP:

- A1: A0
- 00: TOOL#1
- 01: TOOL#2
- 10: TOOL#3
- 11: TOOL#4

**MODULAR TOOL #1**

The diagram shows a 16-pin connector J11 with the following connections:

- Pin 1: 12V
- Pin 2: 12V
- Pin 3: SDA
- Pin 4: SCL
- Pin 5: A0
- Pin 6: A1
- Pin 7: TOOL1\_ENABLE
- Pin 8: TOOL\_STEP
- Pin 9: TOOL\_DIR
- Pin 10: TOOL1\_DOUT
- Pin 11: (unconnected)
- Pin 12: (unconnected)
- Pin 13: TOOL1\_AIN
- Pin 14: (unconnected)
- Pin 15: GND
- Pin 16: GND



The image displays three identical wiring diagrams for STEPSTICK1, STEPSTICK2, and STEPSTICK3. Each diagram shows the connection of a STEPSTICK module to a 5V power source, ground, and three motor drivers (MOT-X, MOT-Y, MOT-Z).

**STEPSTICK1 Connections:**

- Power:** +5V to ENABLE, GND to GND.
- Motor X (MOT-X):** VMOT to 4, GND to 2B, 2A to 3, 2A to 1A, 1B to 2, VDD to 1, GND@2 to 1.
- Motor Y (MOT-Y):** VMOT to 4, GND to 2B, 2A to 3, 2A to 1A, 1B to 2, VDD to 1, GND@2 to 1.
- Motor Z (MOT-Z):** VMOT to 4, GND to 2B, 2A to 3, 2A to 1A, 1B to 2, VDD to 1, GND@2 to 1.

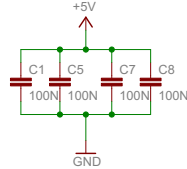
**STEPSTICK2 Connections:**

- Power:** +5V to ENABLE, GND to GND.
- Motor X (MOT-X):** VMOT to 4, GND to 2B, 2A to 3, 2A to 1A, 1B to 2, VDD to 1, GND@2 to 1.
- Motor Y (MOT-Y):** VMOT to 4, GND to 2B, 2A to 3, 2A to 1A, 1B to 2, VDD to 1, GND@2 to 1.
- Motor Z (MOT-Z):** VMOT to 4, GND to 2B, 2A to 3, 2A to 1A, 1B to 2, VDD to 1, GND@2 to 1.

**STEPSTICK3 Connections:**

- Power:** +5V to ENABLE, GND to GND.
- Motor X (MOT-X):** VMOT to 4, GND to 2B, 2A to 3, 2A to 1A, 1B to 2, VDD to 1, GND@2 to 1.
- Motor Y (MOT-Y):** VMOT to 4, GND to 2B, 2A to 3, 2A to 1A, 1B to 2, VDD to 1, GND@2 to 1.
- Motor Z (MOT-Z):** VMOT to 4, GND to 2B, 2A to 3, 2A to 1A, 1B to 2, VDD to 1, GND@2 to 1.

## C



E



# EMC01 Motion Controller for FirePick Delta

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