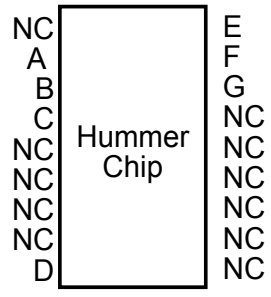


Front of Hummer ↑



Looking at the PCB connection side of the chip

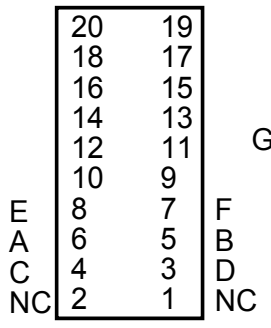
Label, Functionality, Wire Color

- A, Right, Red
- B, Left, Yellow
- C, Forward, Green
- D, Backward, Clear
- E, Unknown, Blue
- F, Neutral, Orange
- G, Unknown, Black

Hummer Commands:

- Forward: C Pin High
- Turn Left: Pin F Low, Pin B High
- Backward: D Pin HIGH
- Turn Right: Pin F Low, Pin A High
- Neutral (Straight): Pin F High (Pins A and B Low)

App Mod



G - No Connect

App Mod is connected to the BYORK (Build Your Own Robot Kit) PCB board, and the pins of the App mode connect to the pins of the BX-24 on the BYORK board. The BX-24 pin that connects to the App Mod pin is found by the following relationship:

$$\text{BX-24 pin \#} = \text{App Mod pin\#} + 2$$