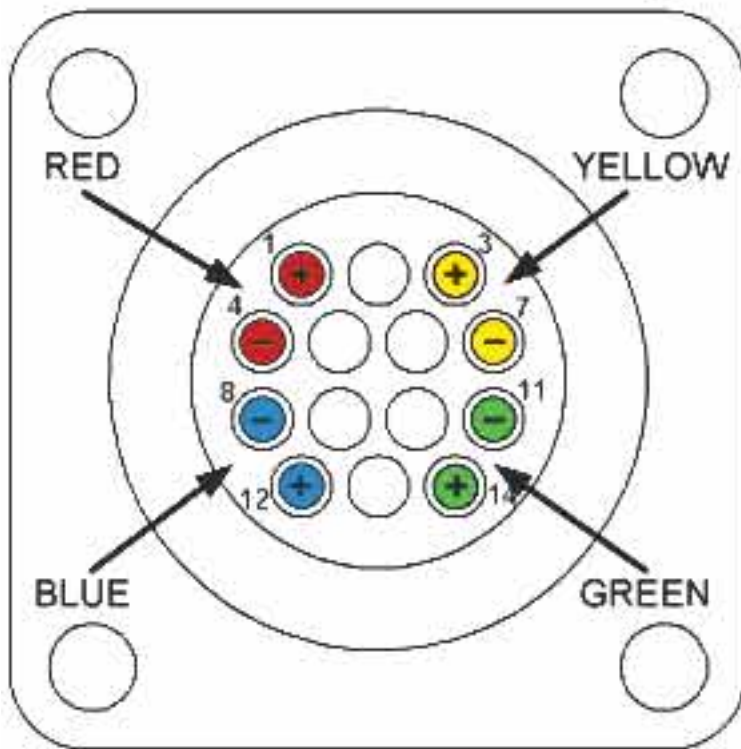


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2.007 Design and Manufacturing I
Spring 2009

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2.007 Control System Lab Handout



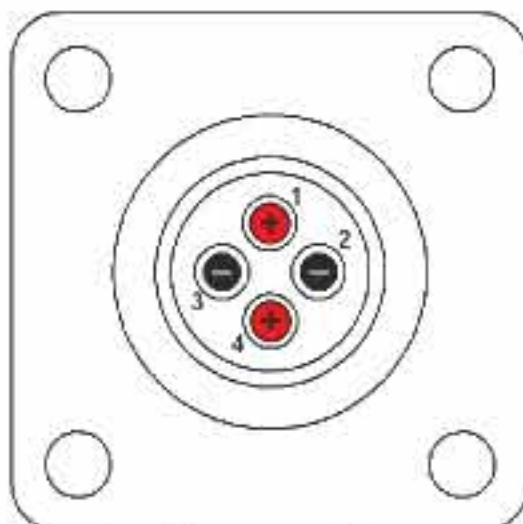
Motor Plug

Motor Plug

Pins 1,4 : RED
Pins 3,7 : YELLOW
Pins 8,12 : BLUE
Pins 11,14 : GREEN

Battery Plug

Pins 1,4 : HIGH
Pins 2,3 : LOW



Battery Plug

Helpful Hints

1. If the control box is beeping, you've plugged the batteries in backwards.
2. If your motors go the "wrong way," reverse the wires. A pin ejection tool is available from the tool crib.
3. All electrical connections (including those on the batteries and the motors) must be properly insulated. Not doing so is a disqualifying offense.
4. The plugs and buttons on the control box must be accessible by the staff during the contest.
5. Check all power cords (including the podium one) if the control box isn't working.