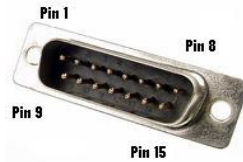


Student Name	Team Number
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## 2005/2006 IFI Autonomous/Disabled Switch Box - Worksheet #1

# DB15 Cable Pin Out Chart

# Switch Connections



Note: Pin 1 is in the upper left corner when looking at the connector side.



SPST Toggle with 2 wire leads.

Autonomous	Disabled
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Pin Number	Wire Color - Primary	Wire Color - Secondary	Autonomous		Disabled	
			Switch 1 Wire 1	Switch 1 Wire 2	Switch 2 Wire 1	Switch 2 Wire 2
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
<b>Shielding</b>						

### INSTRUCTIONS FOR ASSIGNING WIRE COLORS TO PINS OF CONNECTOR

- 1) Cut DB15 Cable leaving 8 inches of cable attached to connector.
- 2) Remove insulation from all 15 wires using a wire stripper.
- 3) Turn on Volt/Ohm meter. Set to continuity check. (See meter instructions)
- 4) Ground pin 1 ( or next pin number) of connector using black probe of meter.
- 5) Probe each wire, using red lead, until meter indicates a "Short".
- 6) Note wire color and enter on same line number as pin number.
- 7) Repeat steps 4 thru 6 for pin numbers 2 thru 15 and connector shield.

### INSTRUCTIONS FOR ASSIGNING SWITCH WIRES TO CONNECTOR WIRES.

- 1) Review "Competition Port Pinout Guide" Schematic.
- 2) Note "GND" connection to wire 1 of Switches 1 & 2. Place mark in switch boxes next to connector "GND" pin.
- 3) Note "Disable" connection to wire 2 of Switch 2. Place mark in switch box next to connector "Disabled" pin.
- 4) Note "Autonomous" connection to wire 2 of Switch 1. Place mark in switch box next to connector "Autonomous" pin.