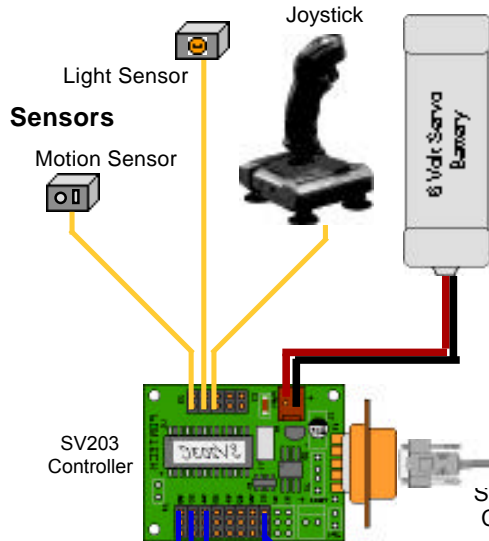


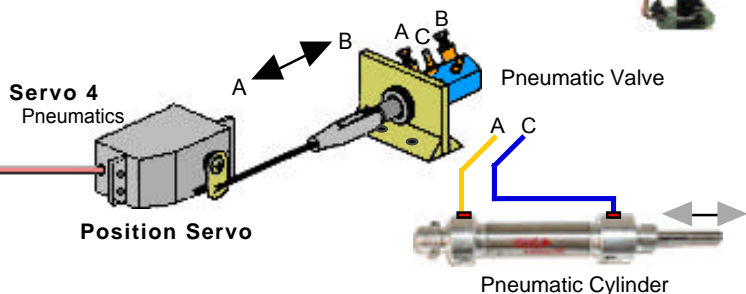
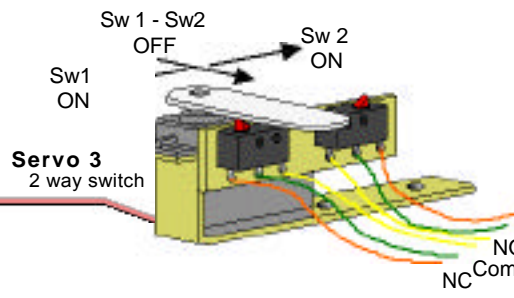
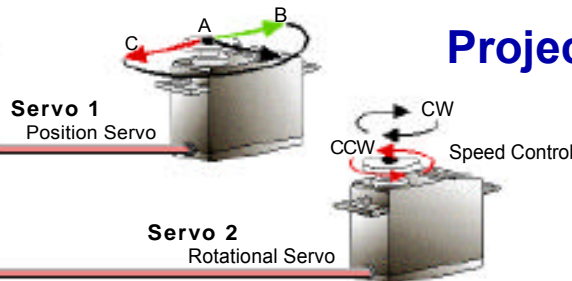
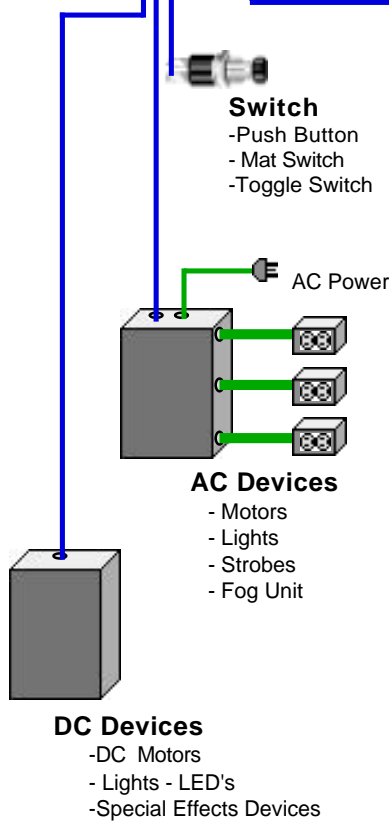
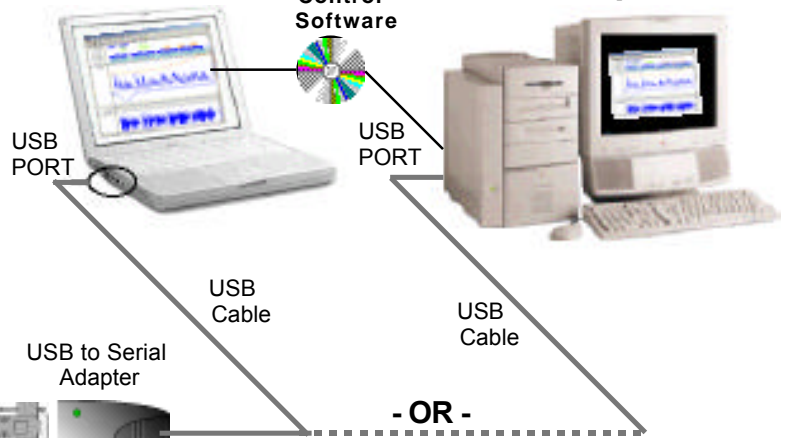
SV203 Interface Overview

Animatronic Applications

Overview



Computer



Projects

Animatronic Character 1



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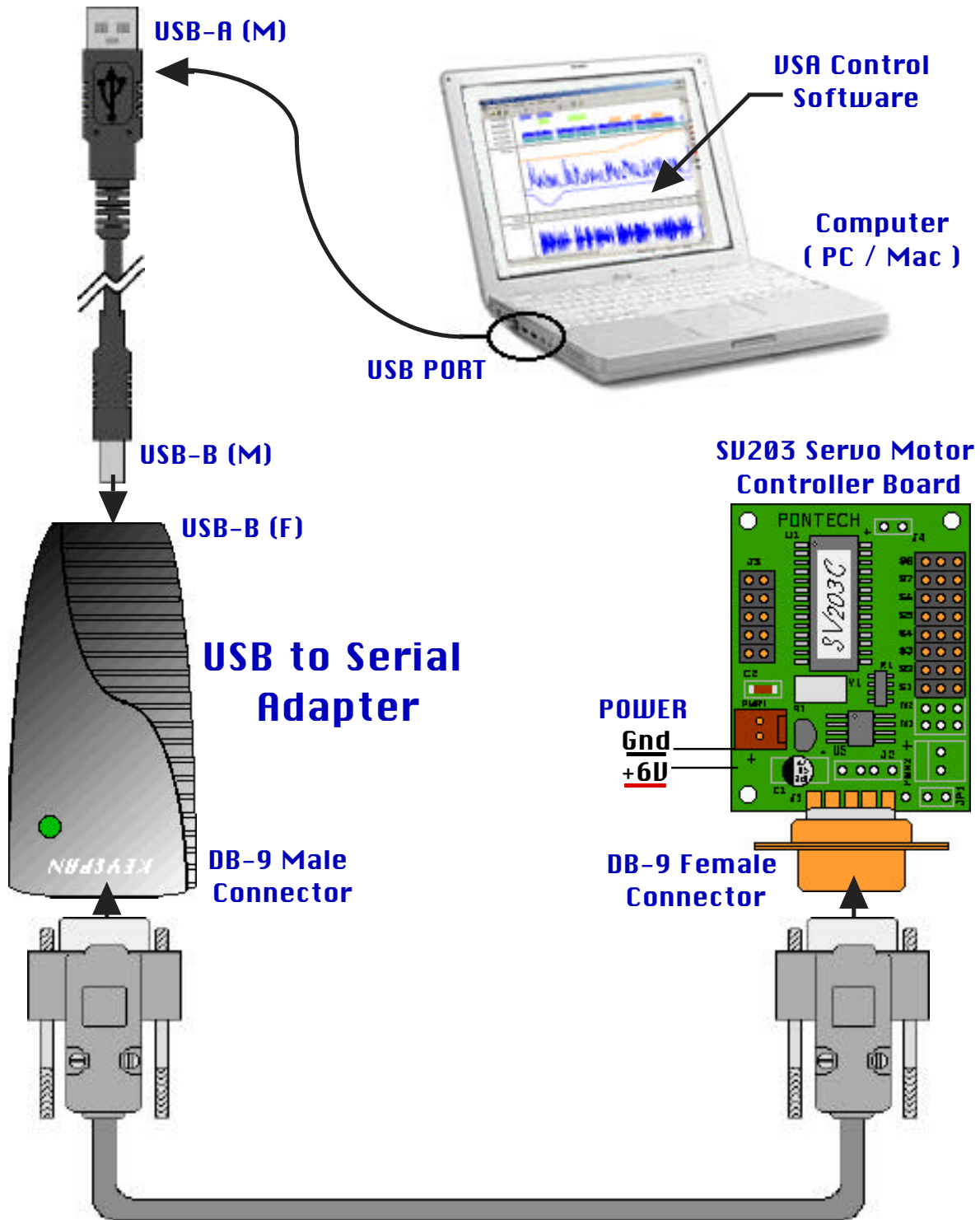
Blue Point Engineering
213 Pikes Peak Place
Longmont, Colorado 80501 - 3033 USA

Custom Equipment, Unique Electronic Products

Phone (303) 651-3794 (MST)
<http://www.BPEsolutions.com>

SV203 Interface Overview

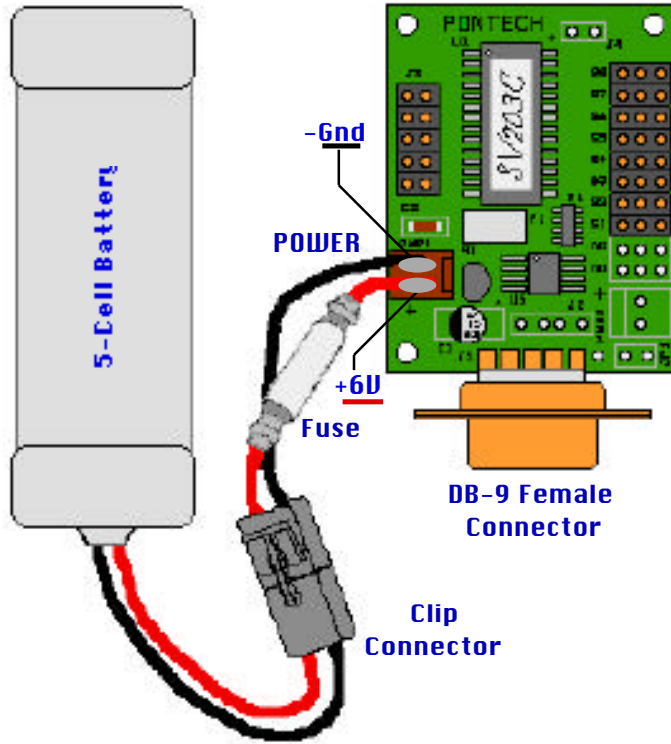
USB Cable to SV203 Interface



SV203 Interface Overview



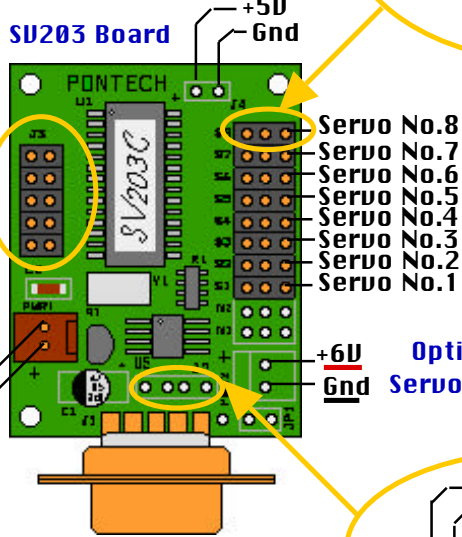
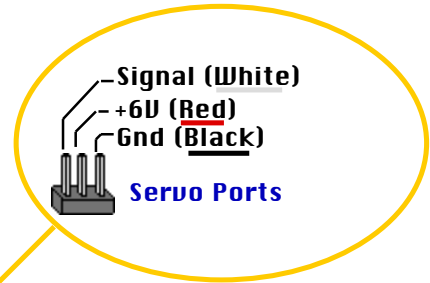
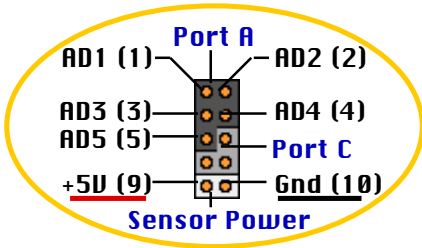
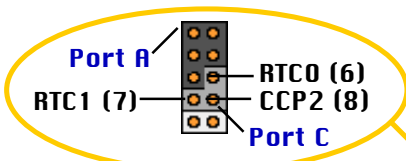
SU203 Control Board



SU203 Servo Motor Controller Board

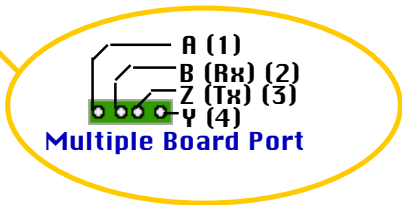
DB-9 Female Connector

Clip Connector



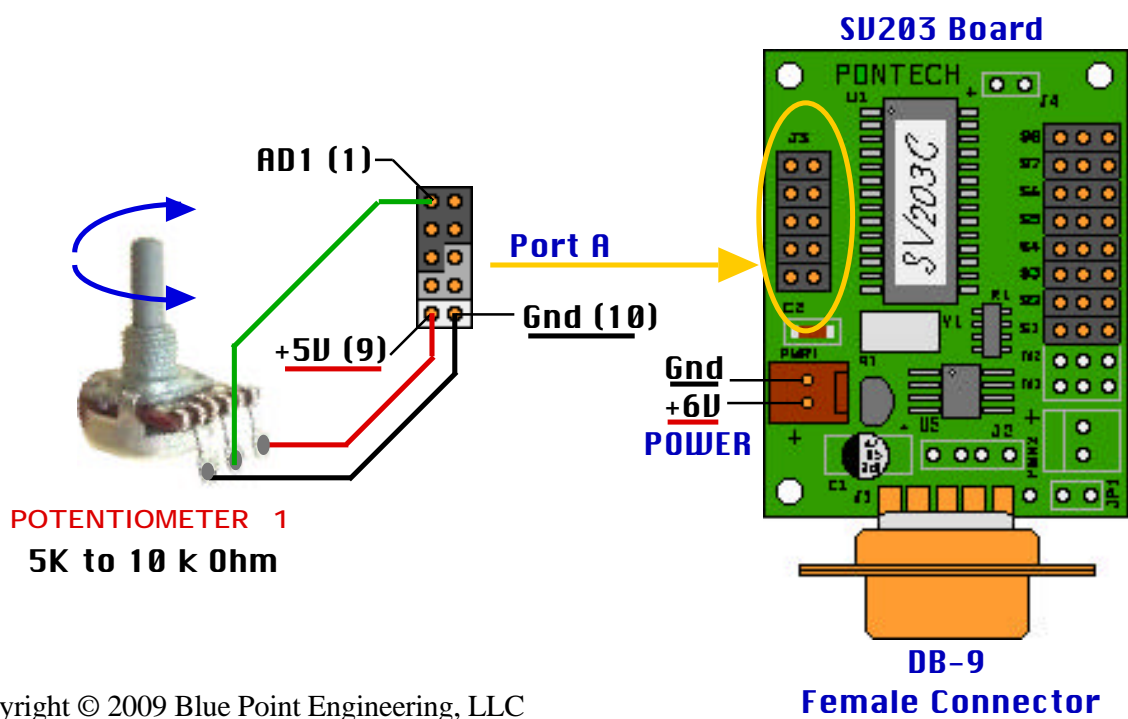
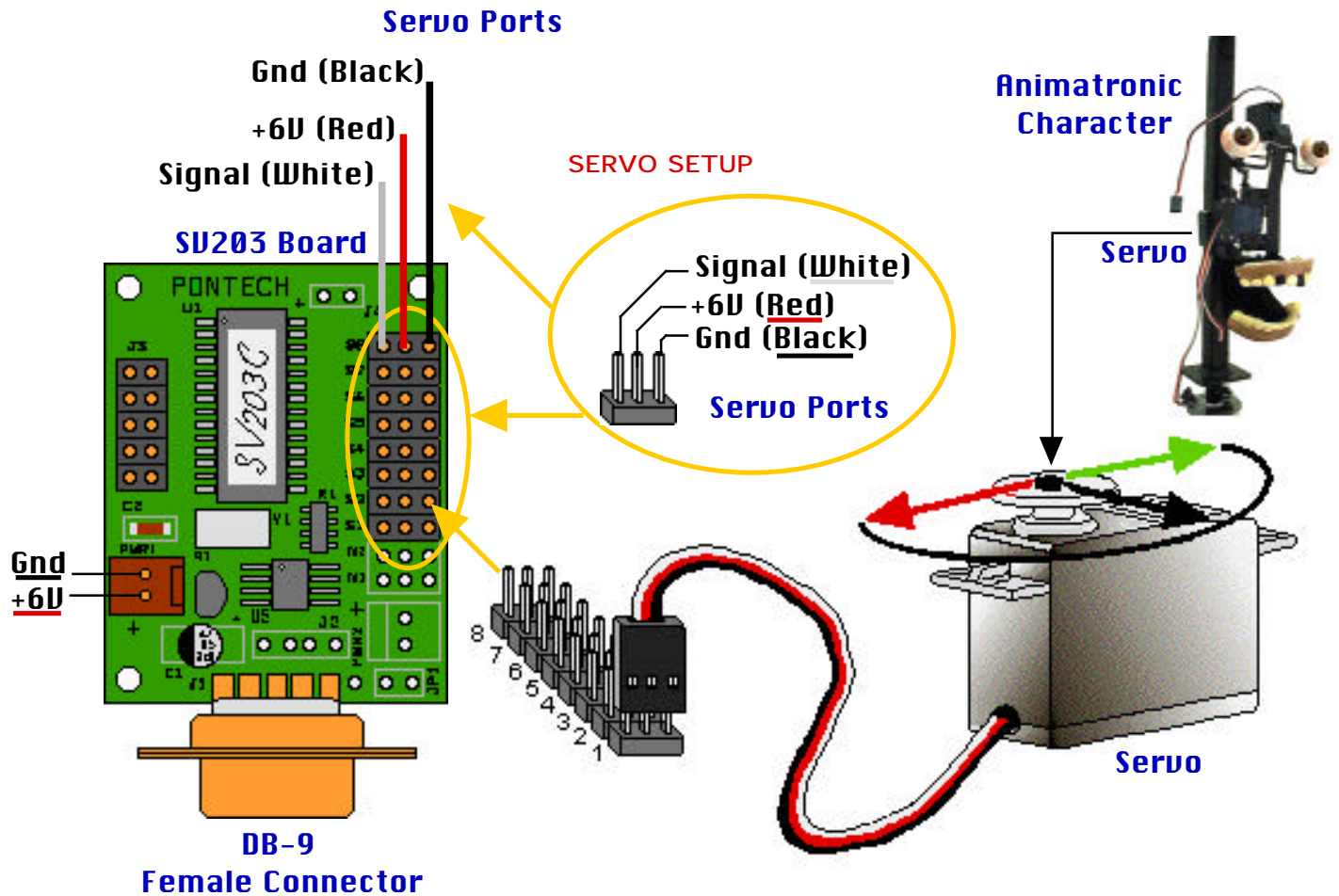
Servo Port B

Optional Servo Power

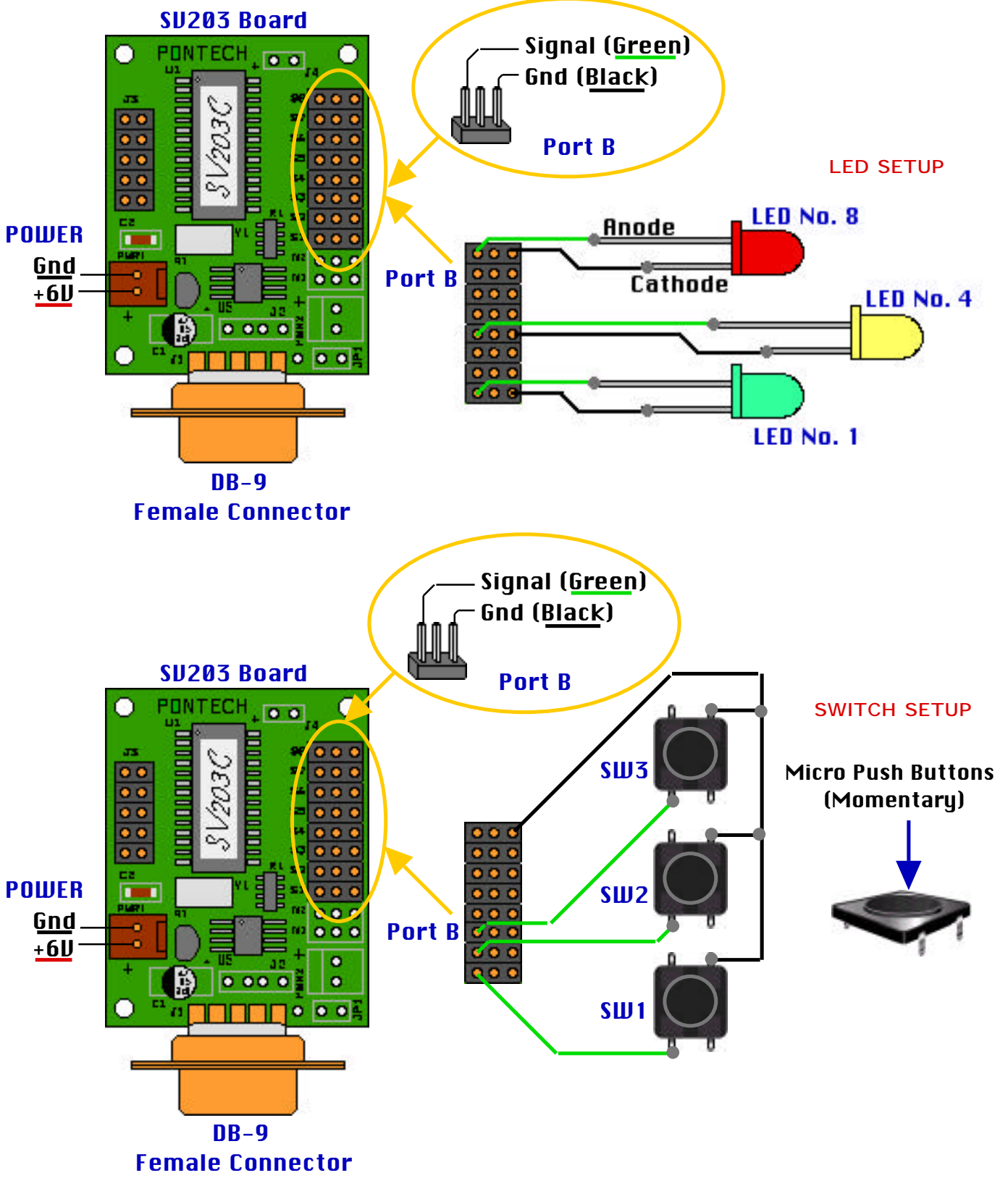


POWER
4-Cell AA Battery
5-Cell Battery
6V 300mA Adapter

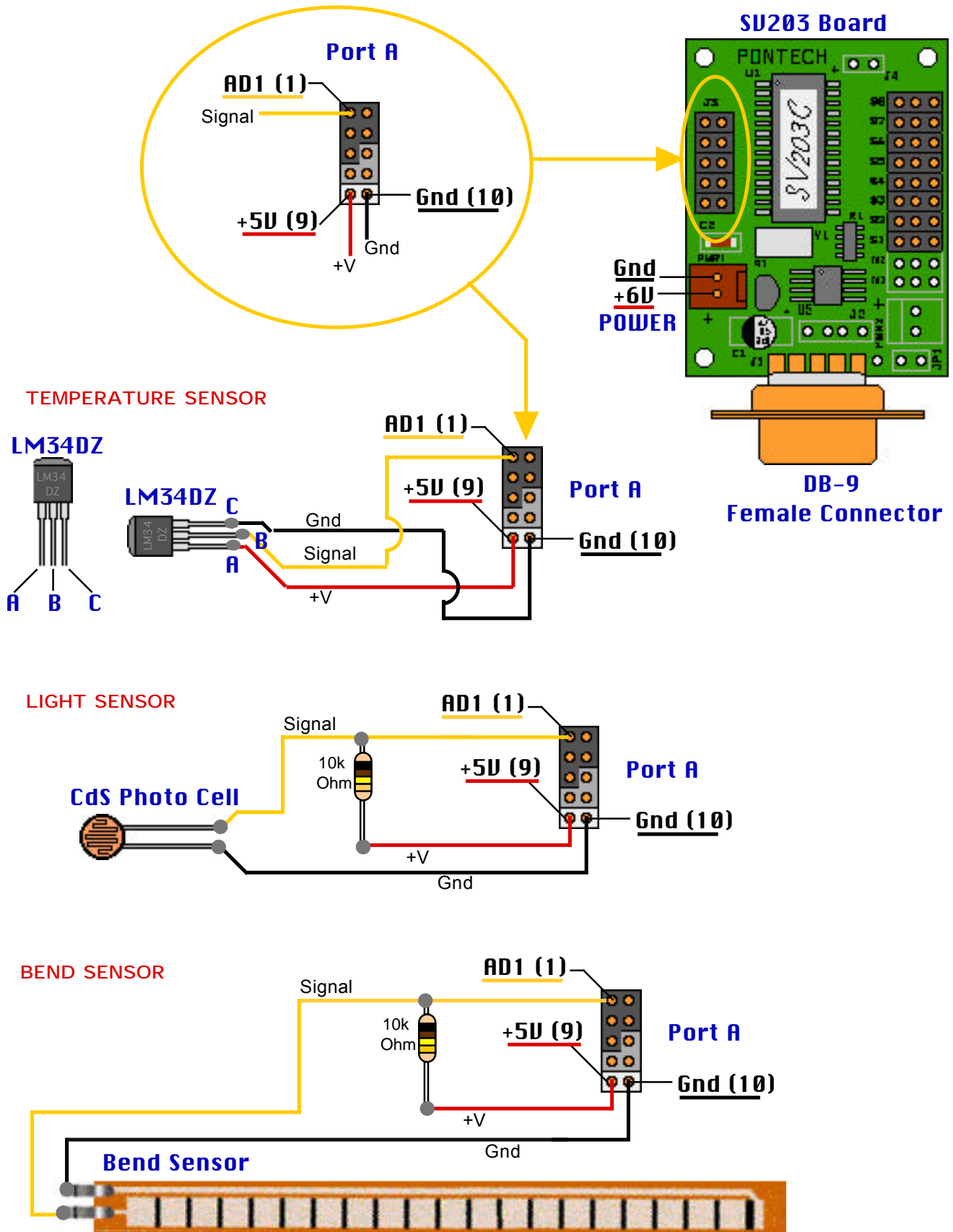
SV203 Interface Overview



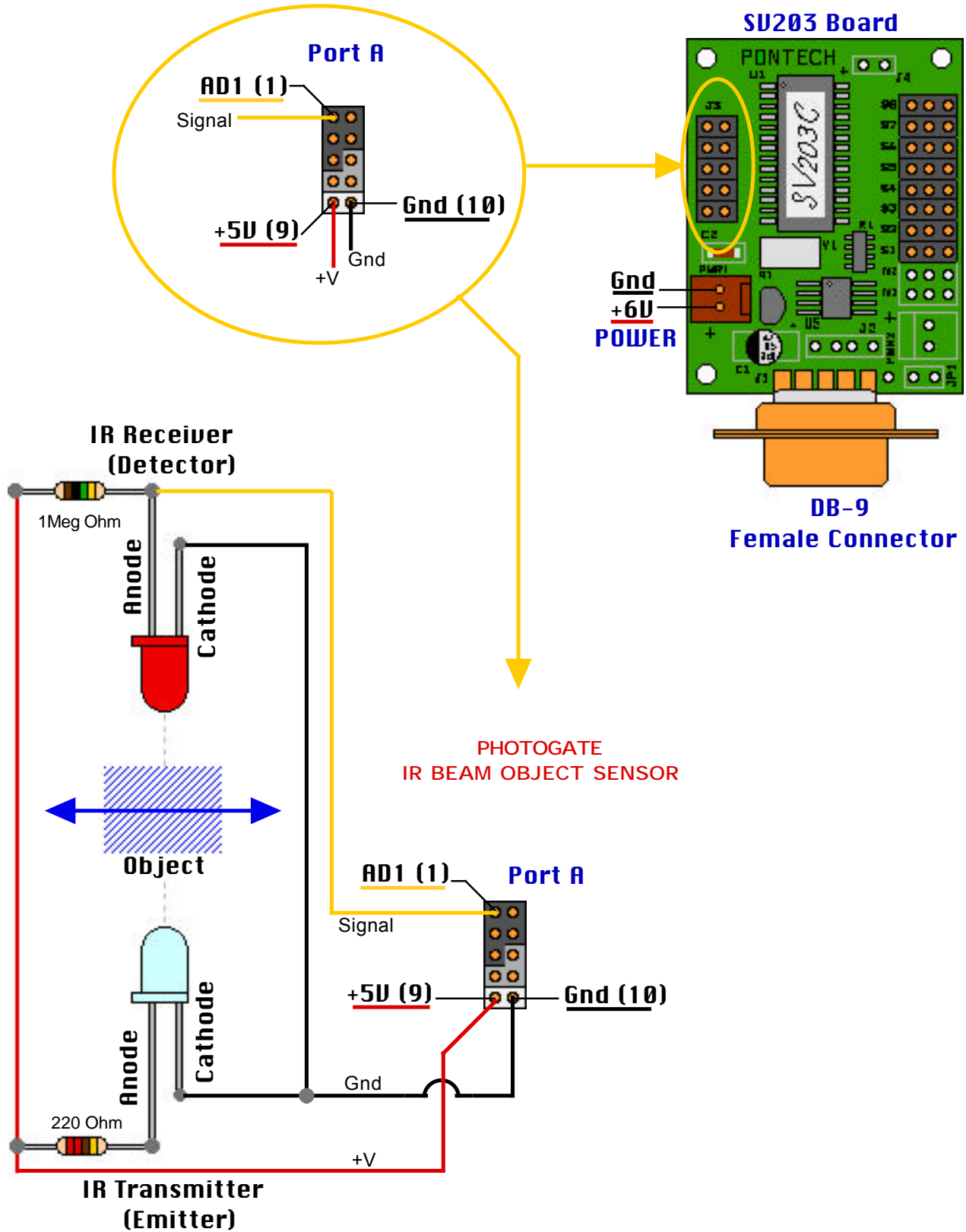
SV203 Interface Overview



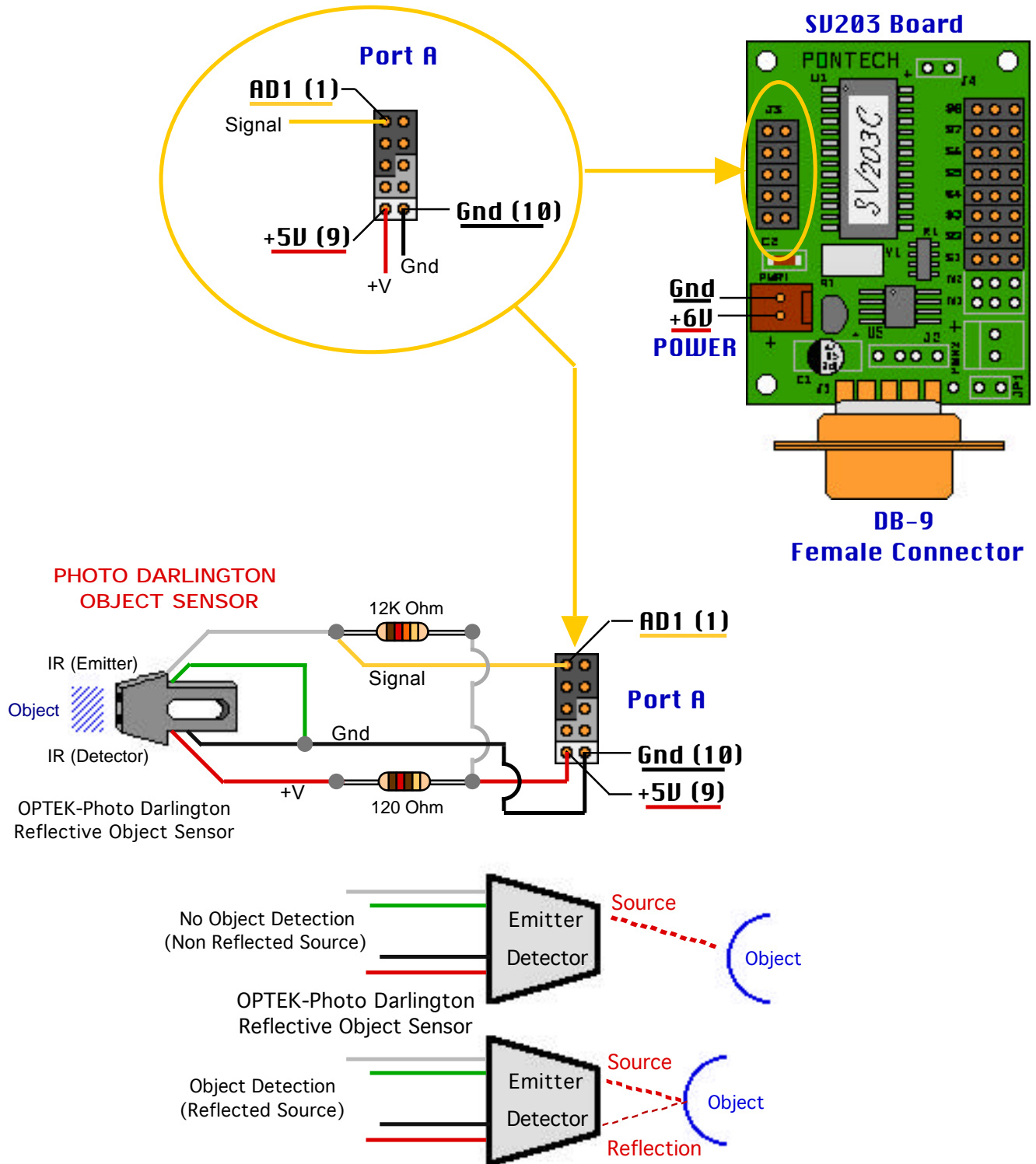
SV203 Interface Overview



SV203 Interface Overview



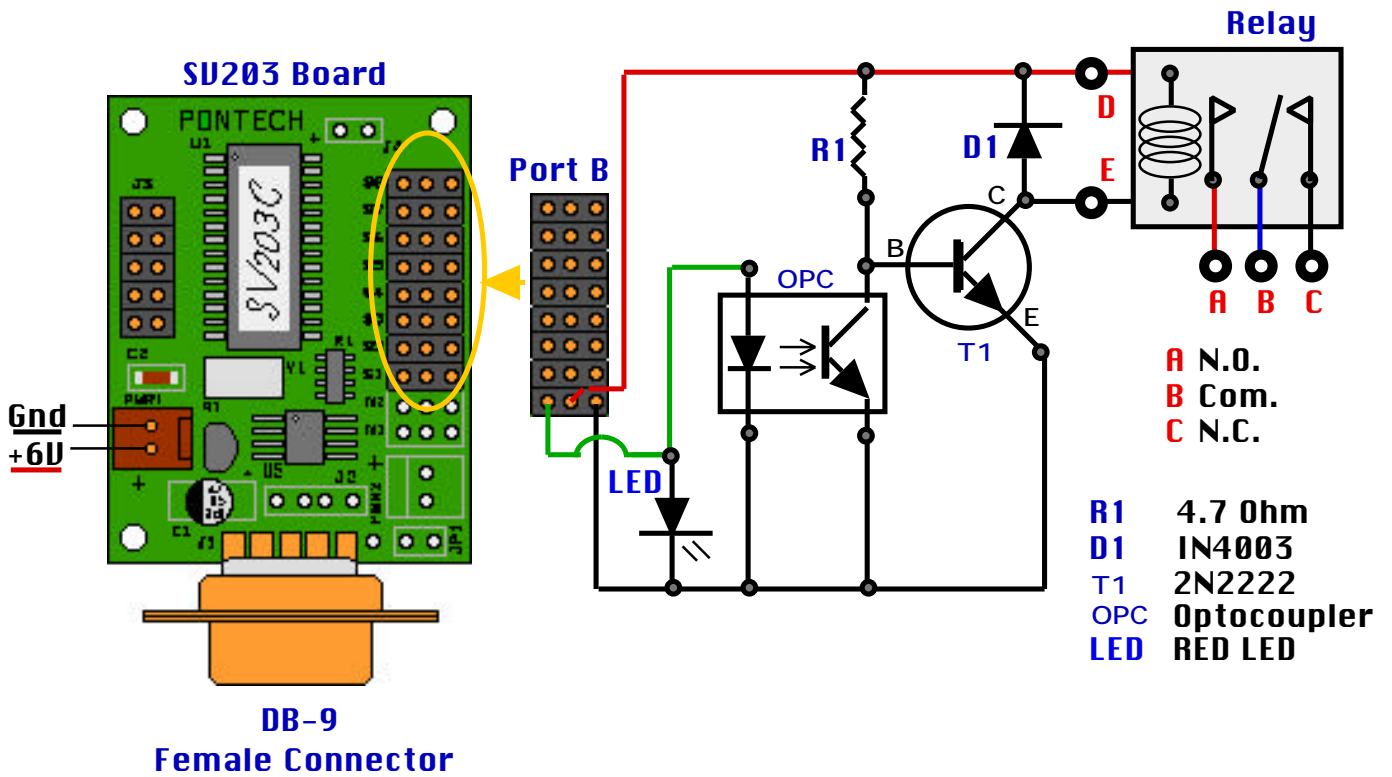
SV203 Interface Overview



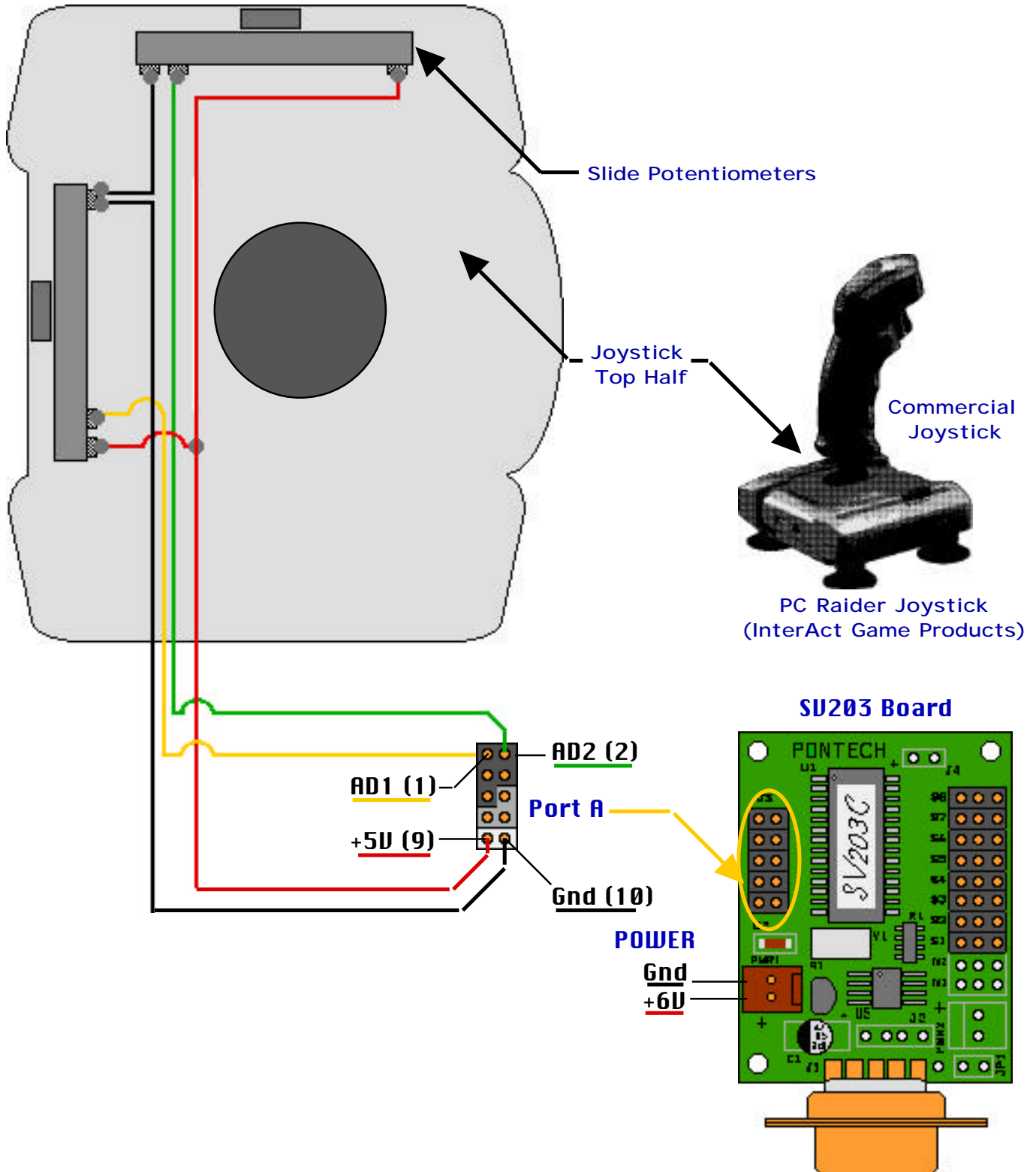
The intensity of reflected source light into the detector sensor determines the voltage value that the photo Darlington sensor will produce. These voltage variables can be detected by the Interface and through software code converted into an object detection or movement of an object as up - down or left - right in position.

SV203 Interface Overview

RELAY / SOLENOID SETUP

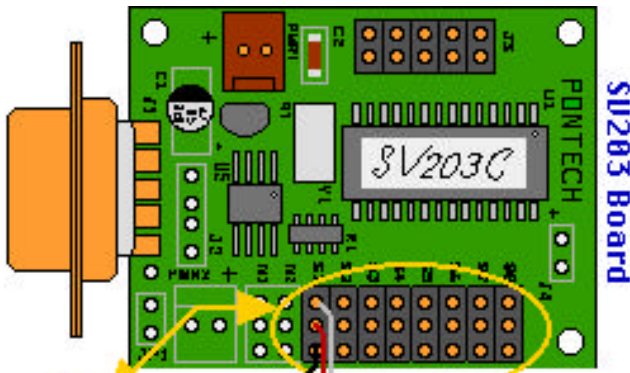


SV203 Interface Overview



SV203 Interface Overview

Servo Ports
Application Example



AC Light Dimmer Pack Control 2X - 4X Channel

Servo to Analog Converter
Board Output Example
Light Dimmer Pack Controller

Servo Ports
X2



Channel 1
GND Output
Channel 2
GND Output



Servo to Analog
Controller No1

Light Dimmer
Pack Controller
(DDS 5600)

ANALOG
INPUT PORT

Servo to Analog
Controller No1

Servo to Analog
Controller No.2

Common (GND)

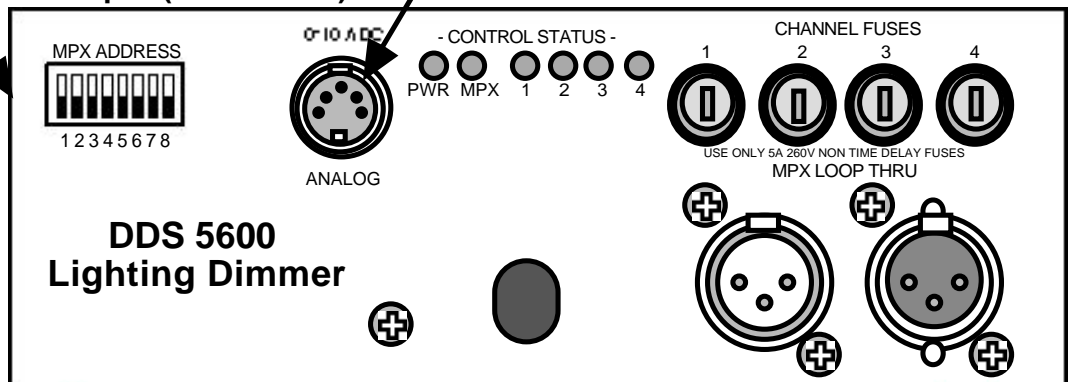
Channel 3
Channel 4

Channel 2

Channel 1

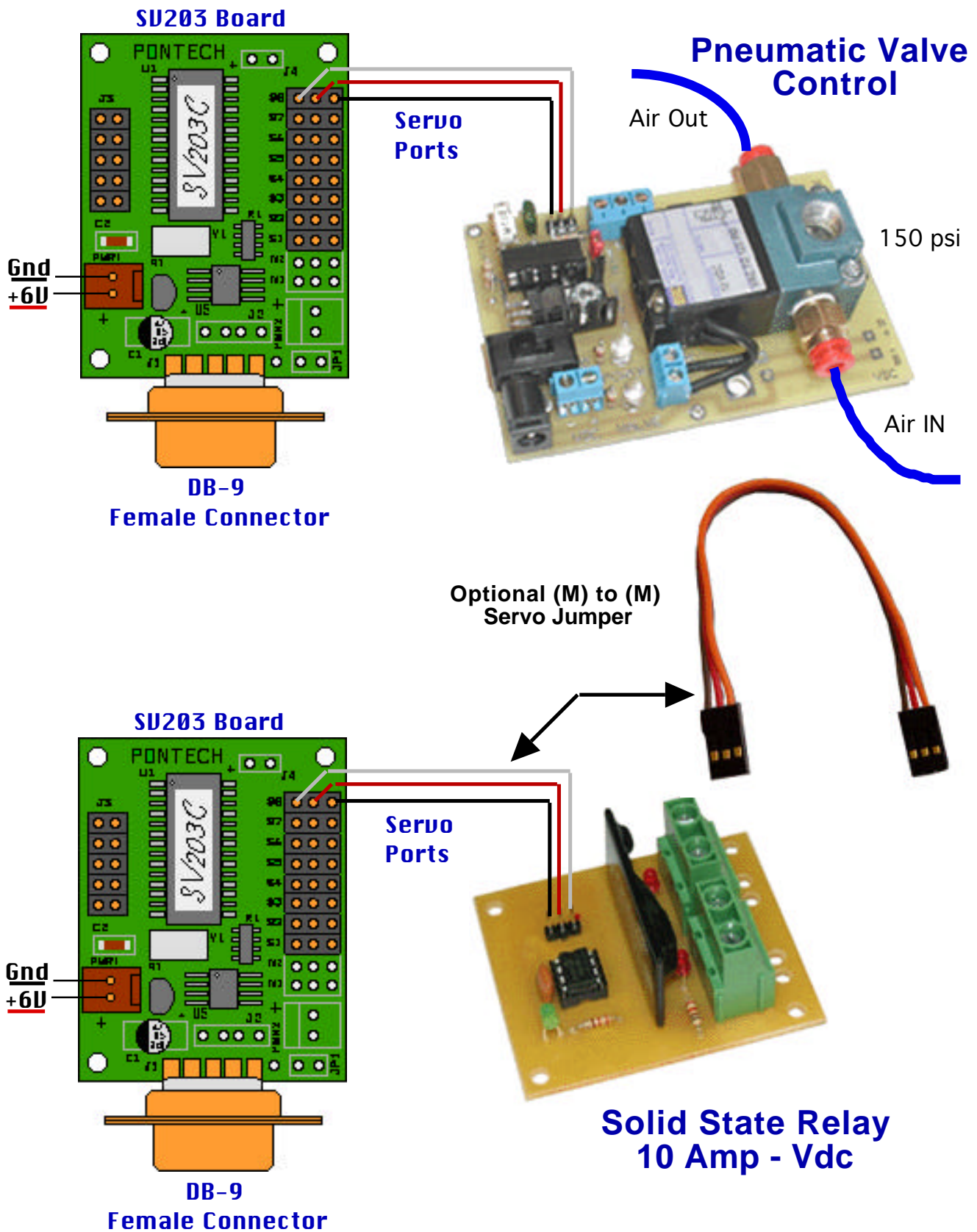
Light Dimmer Pack Analog
Input (0 - 10 VDC)

Light Dimmer
Pack
Controller



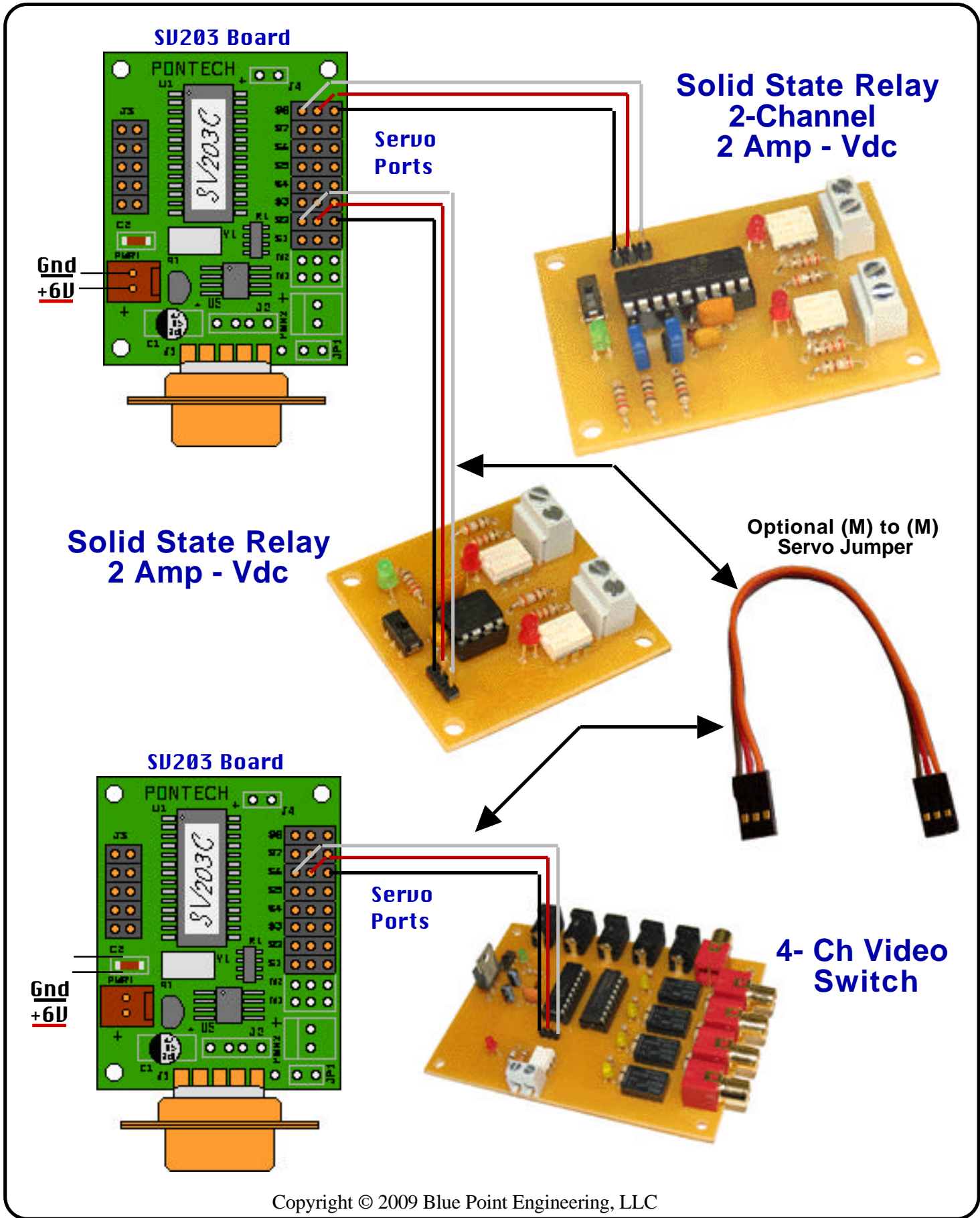
SV203 Interface Overview

Servo Ports
Application Example



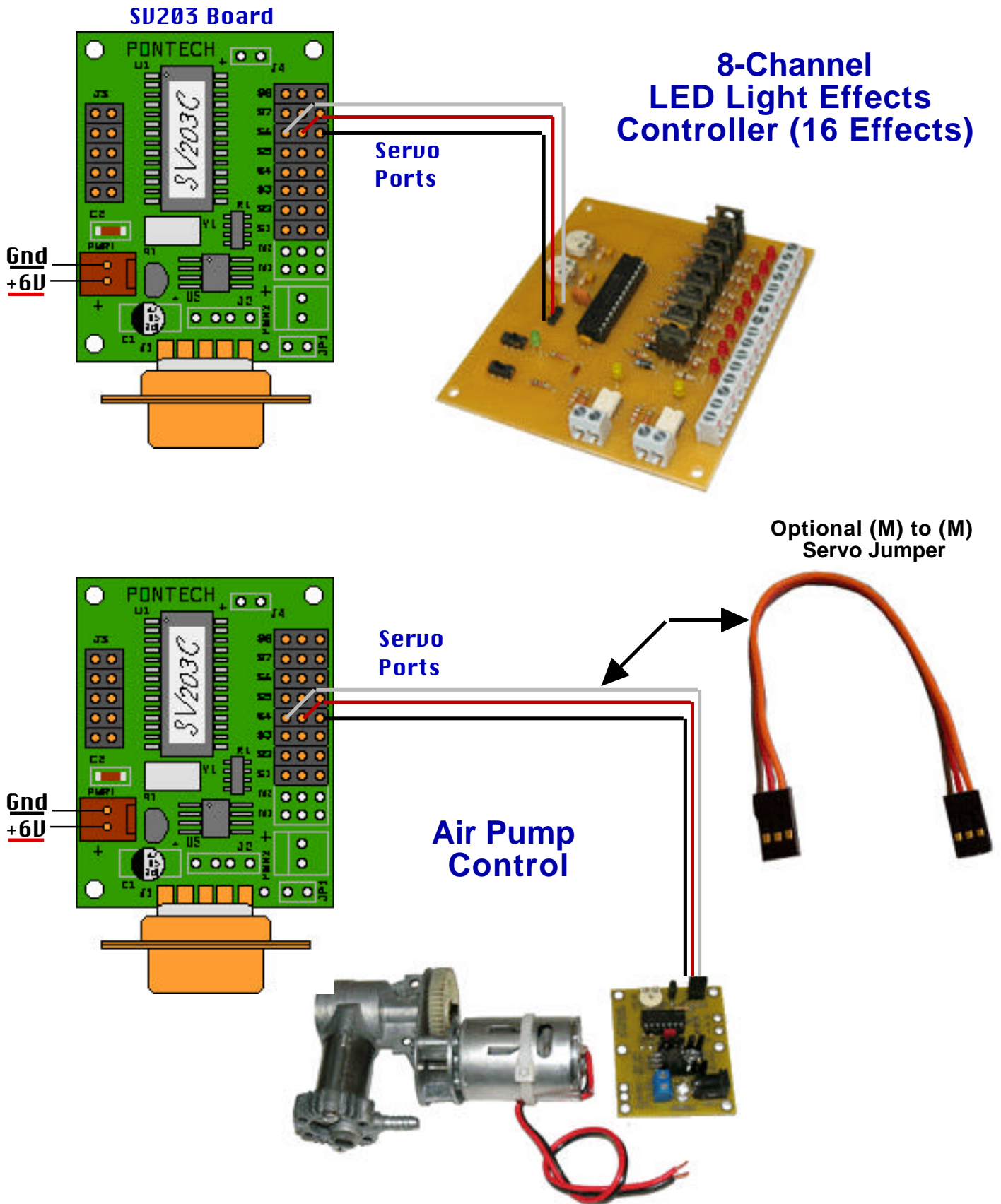
SV203 Interface Overview

Servo Ports
Application Example



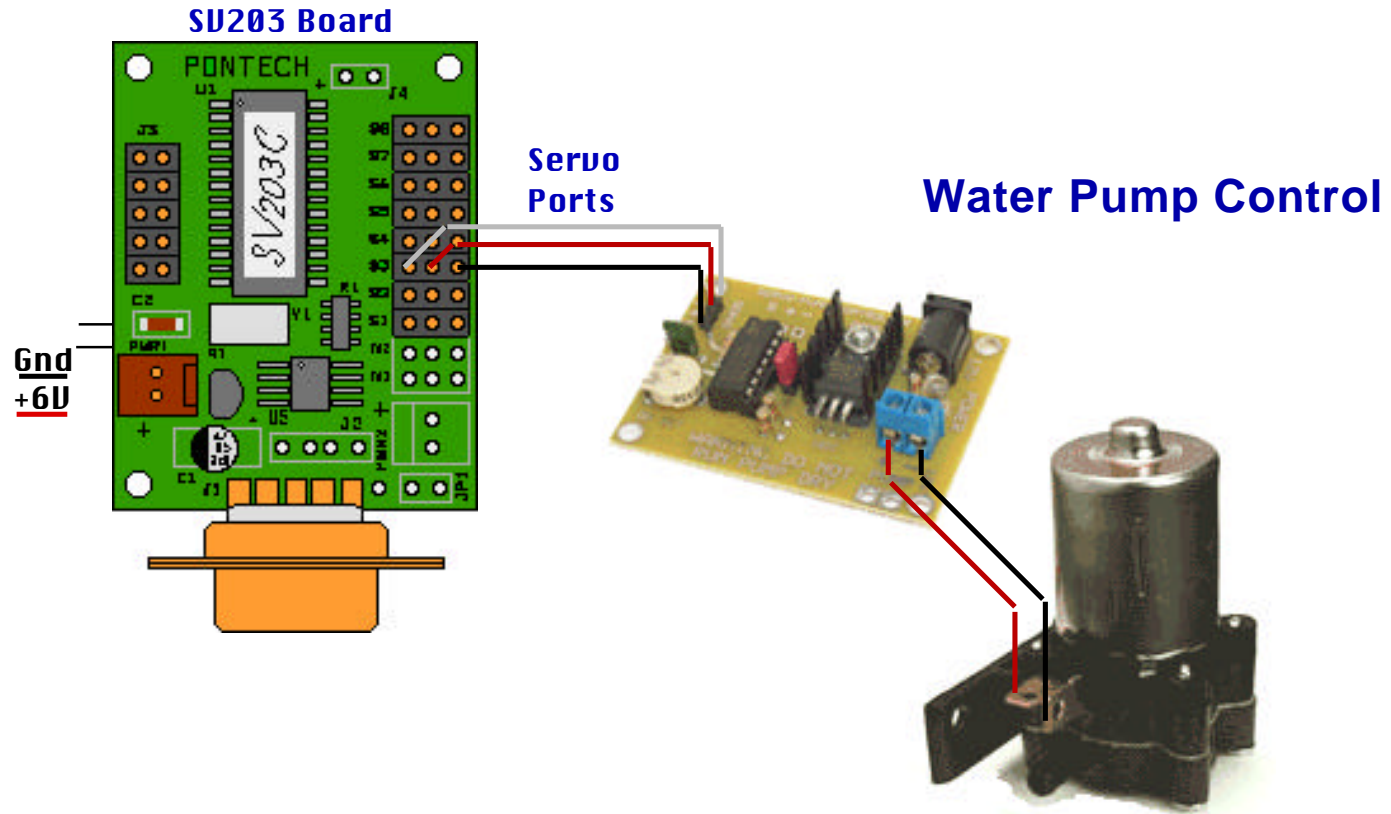
SV203 Interface Overview

Servo Ports
Application Example



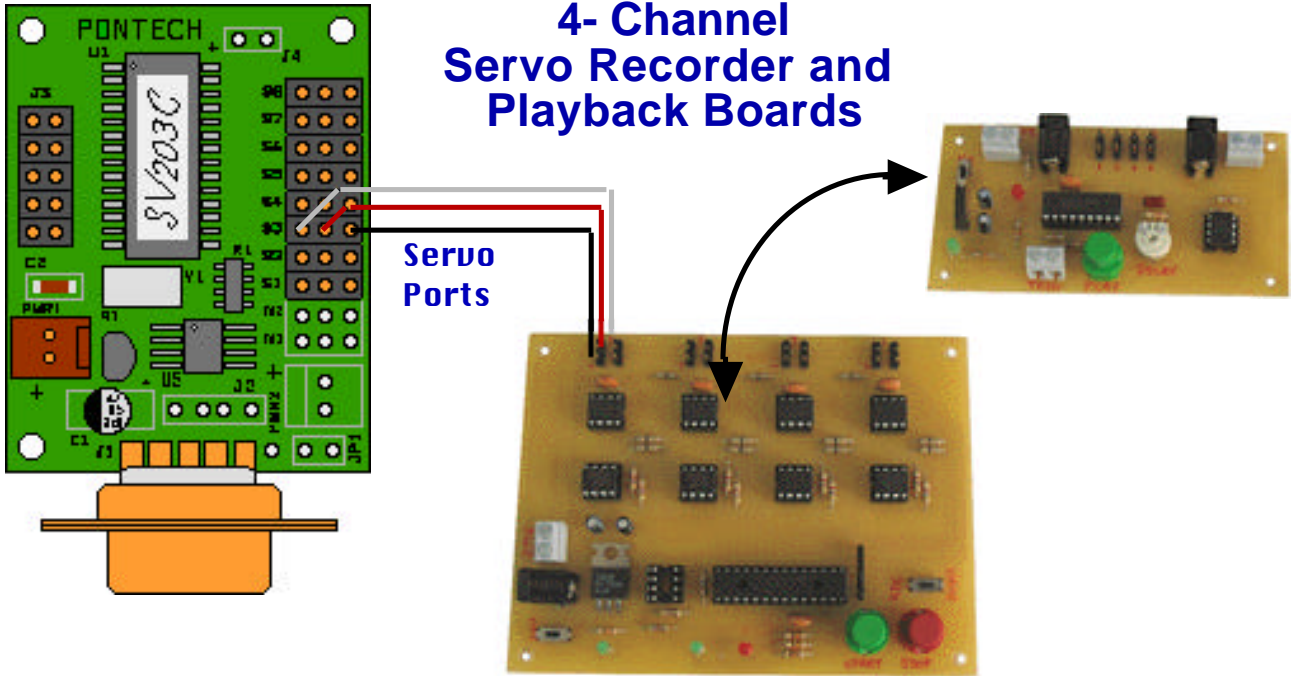
SV203 Interface Overview

Servo Ports
Application Example



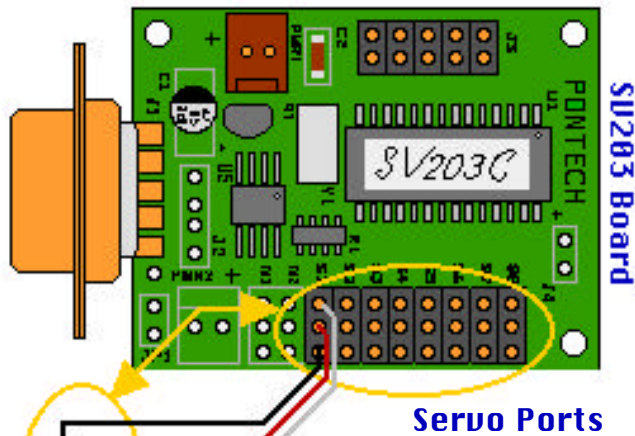
SU203 Board

**4- Channel
Servo Recorder and
Playback Boards**

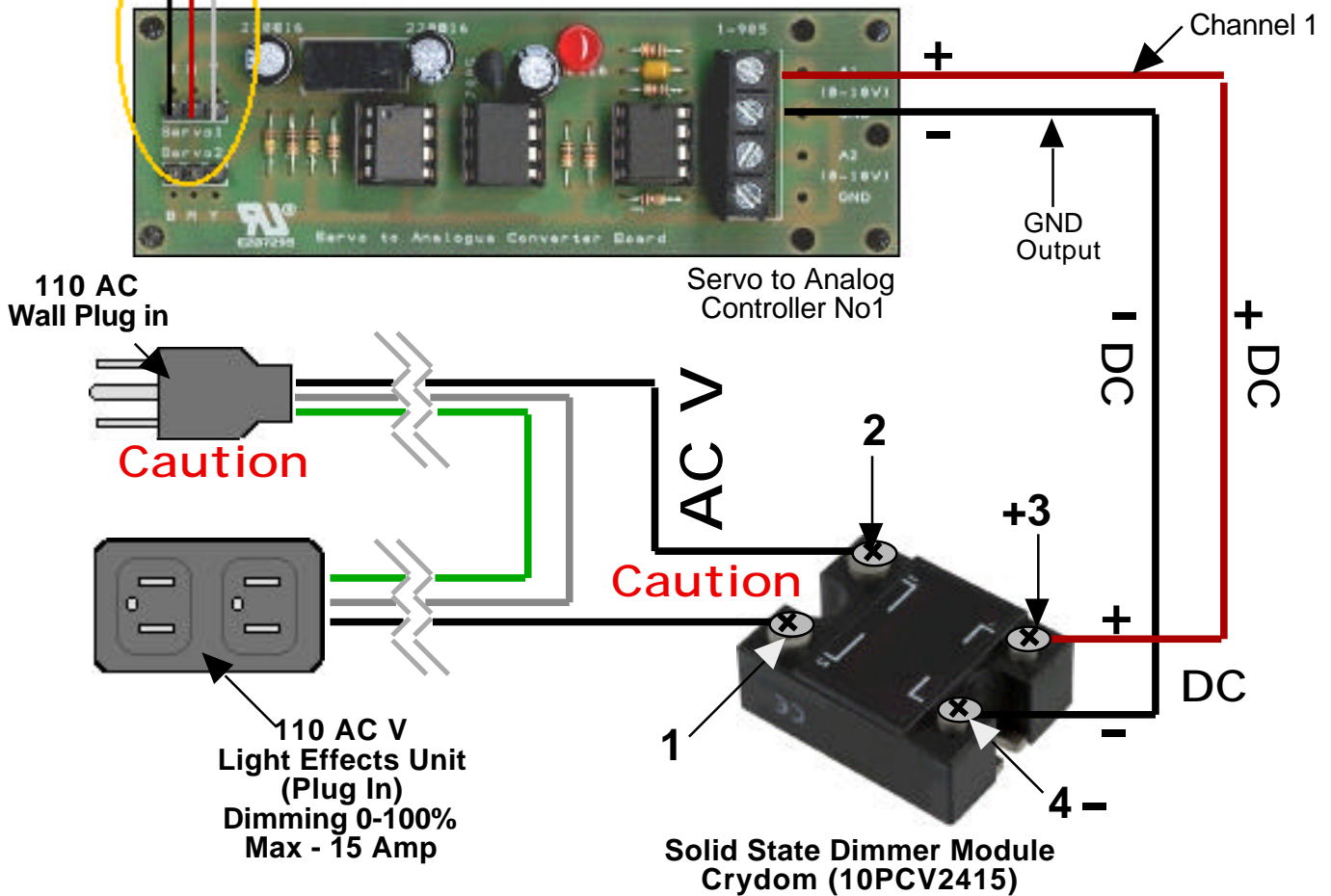


SV203 Interface Overview

Servo Ports
Application Example



1-Channel
Solid State AC
Dimming Control

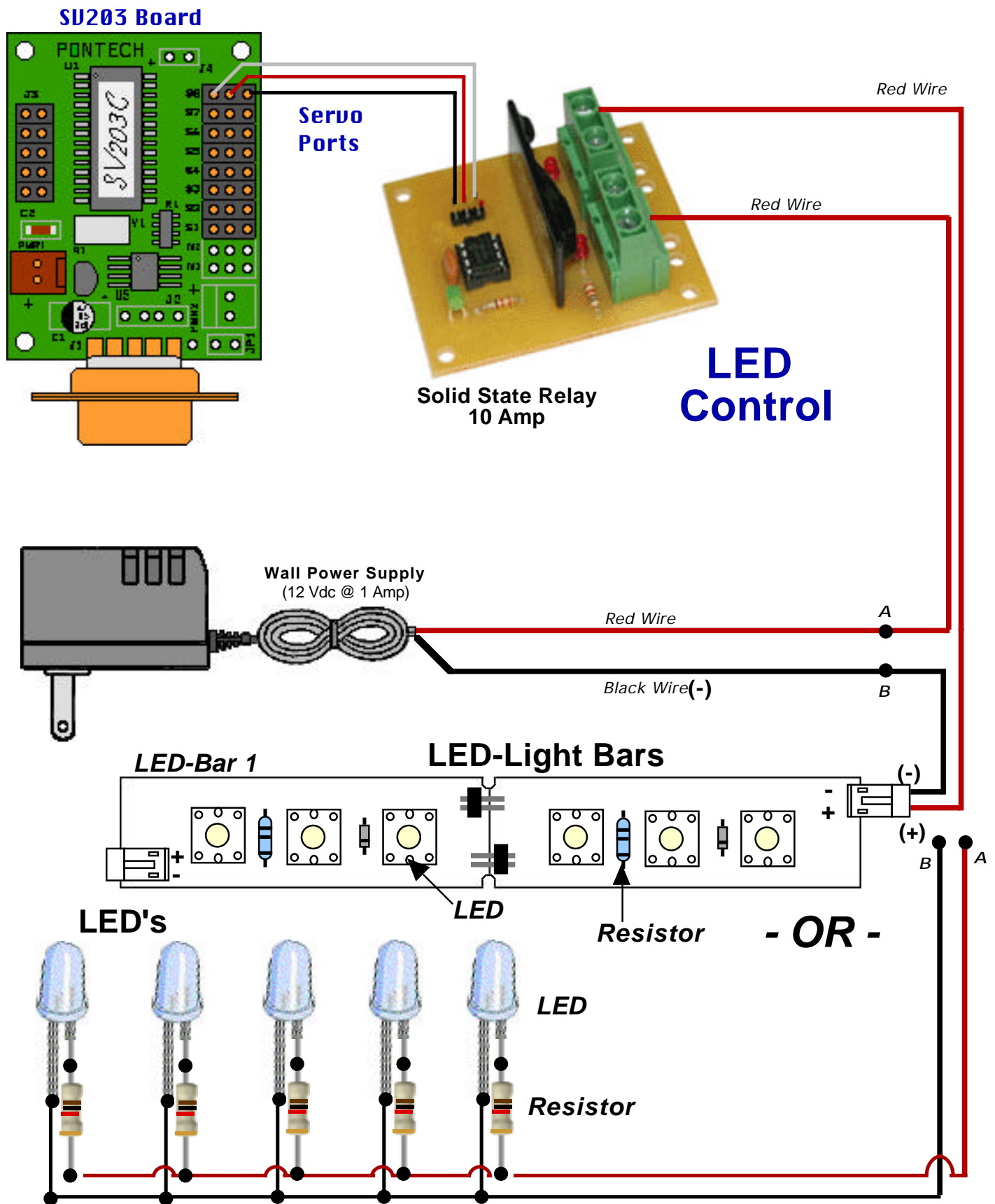


Caution: AC Voltage

Use caution when working with AC Voltage. Touching or incorrectly wiring these circuit could cause serious personal injury or damage to equipment.

SV203 Interface Overview

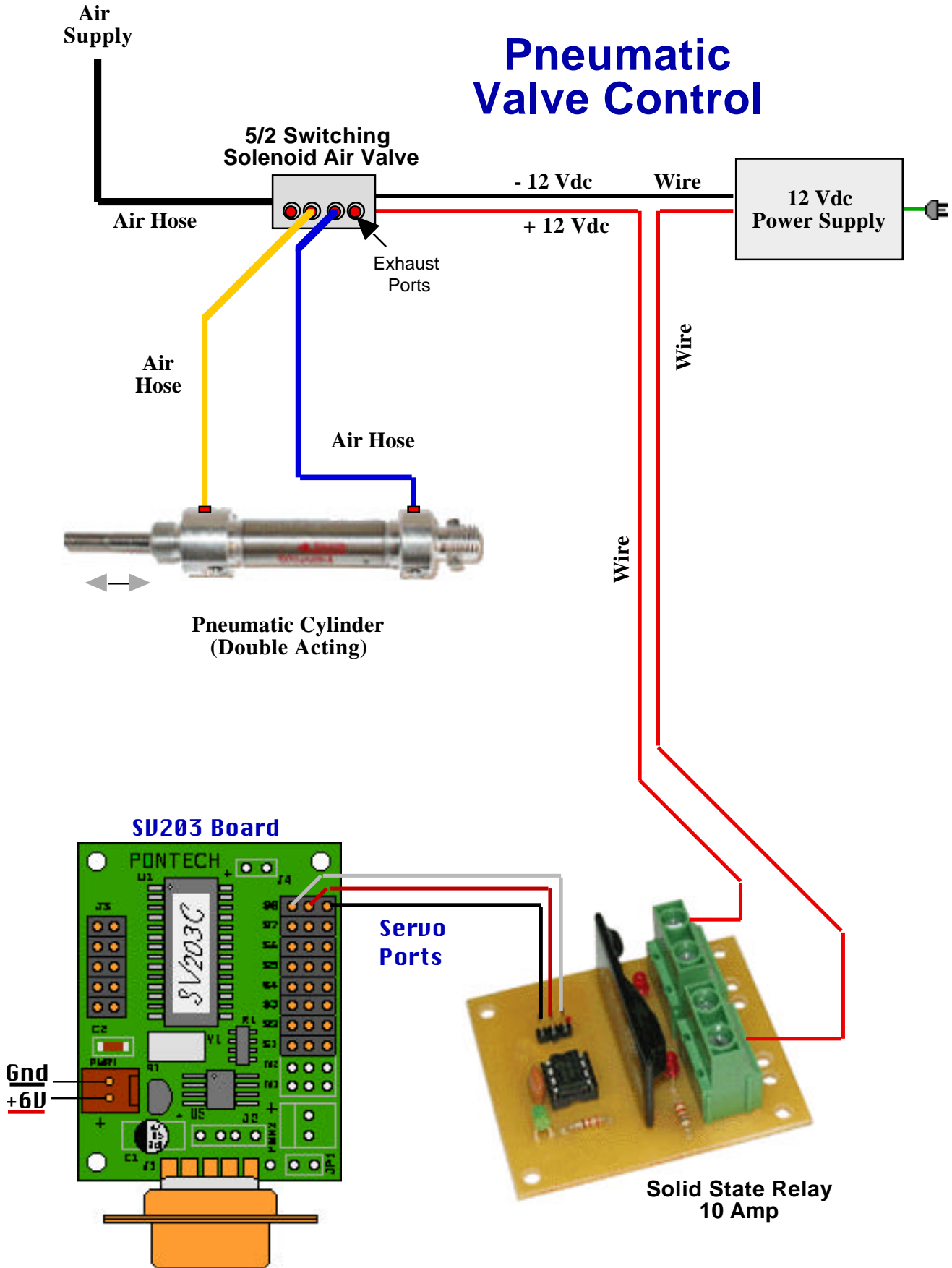
Servo Ports
Application Example



SV203 Interface Overview

Servo Ports
Application Example

Pneumatic Valve Control

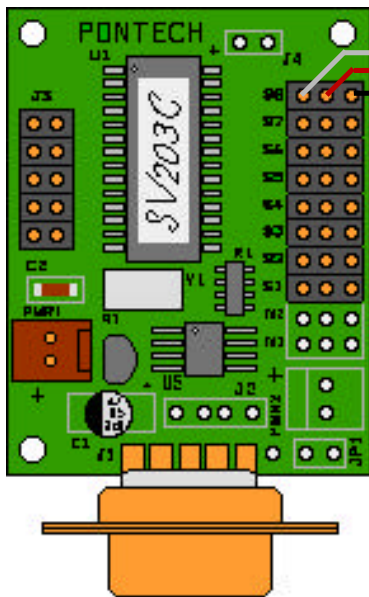
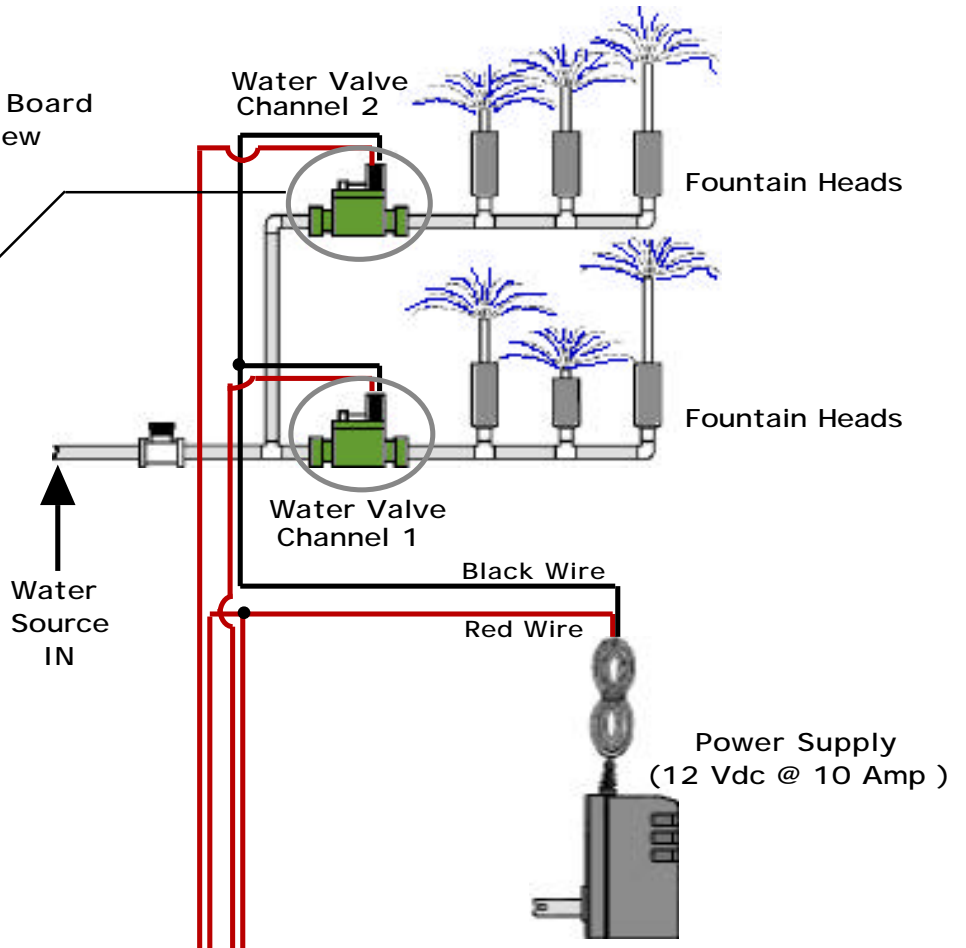


SV203 Interface Overview

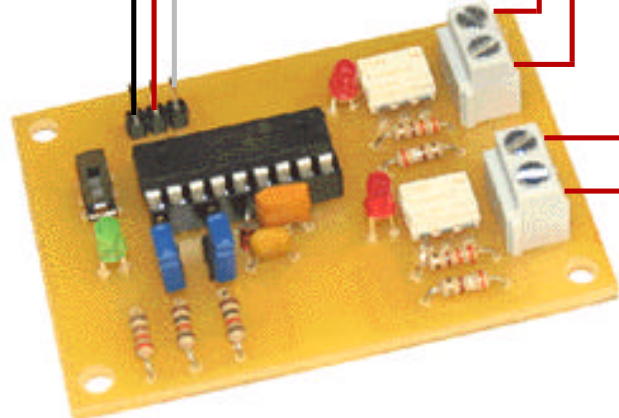
Servo Ports
Application Example

Water Valve Effects

Wizard - II Controller Board
Water Valve Overview



Servo Ports



Channel 2

Channel 1