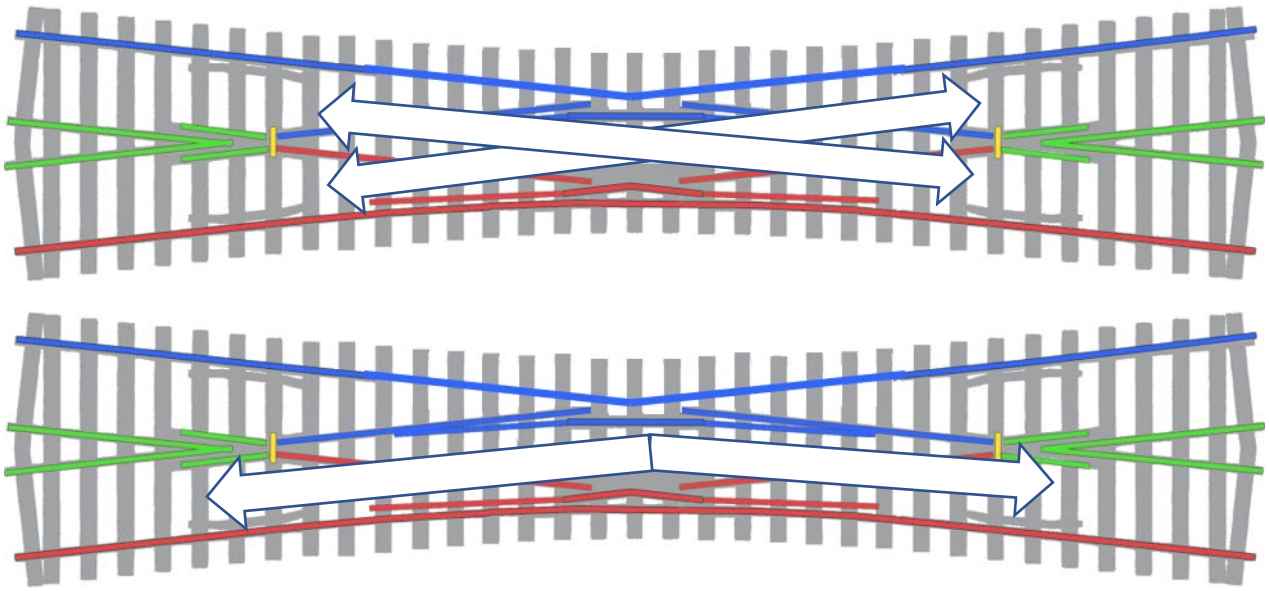
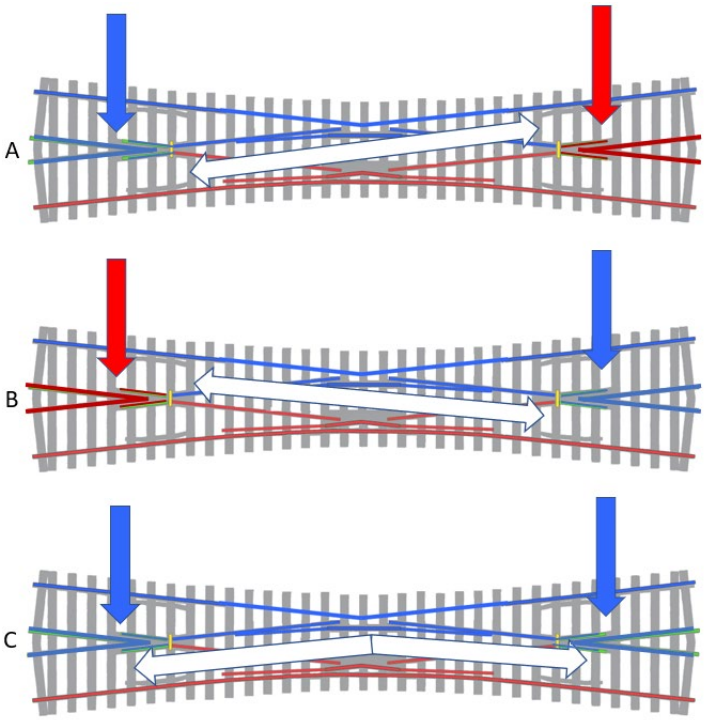
Wiring a Peco Single Slip for Cobalt iP Digitals

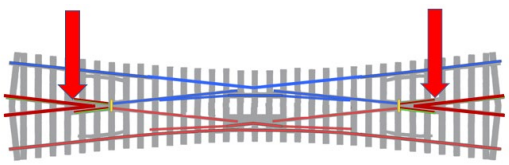
Mechanically, there are two scenarios: “diamond” and “slip”.



However, on a 2-rail electric model railway, in order to achieve correct frog polarity there are three turnout position scenarios to do this.



A fourth turnout position will cause an electrical conflict and so should not be used.



Originally drawn for Pete R

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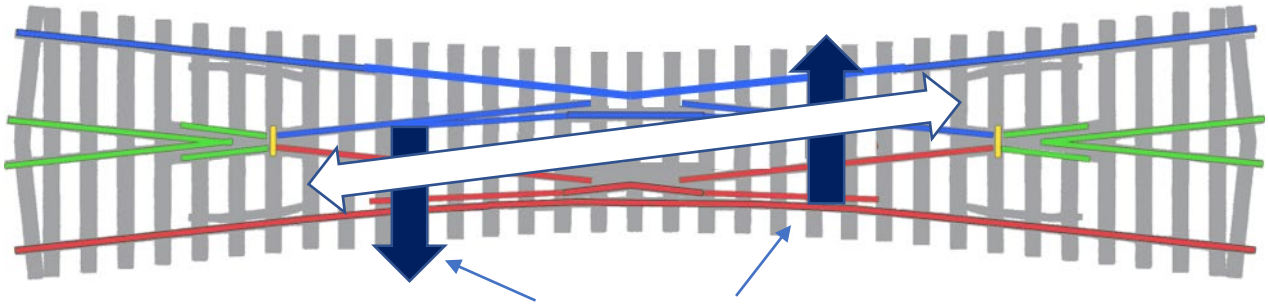
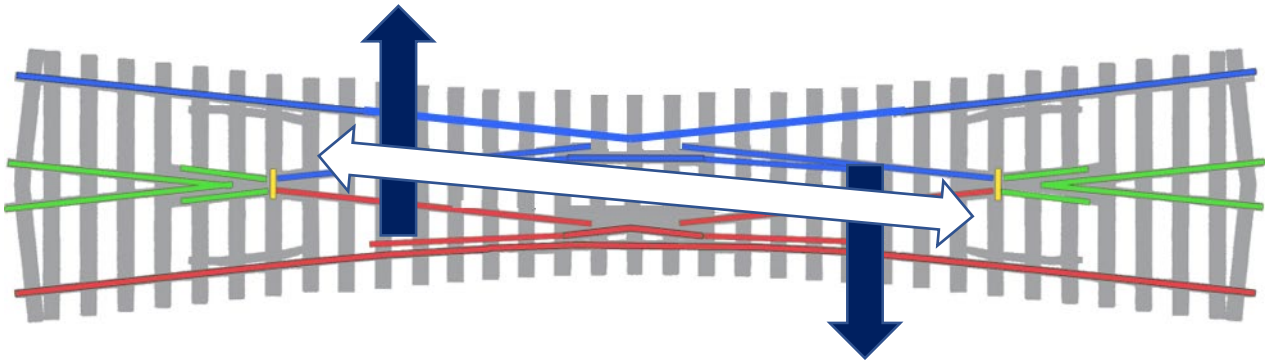
A

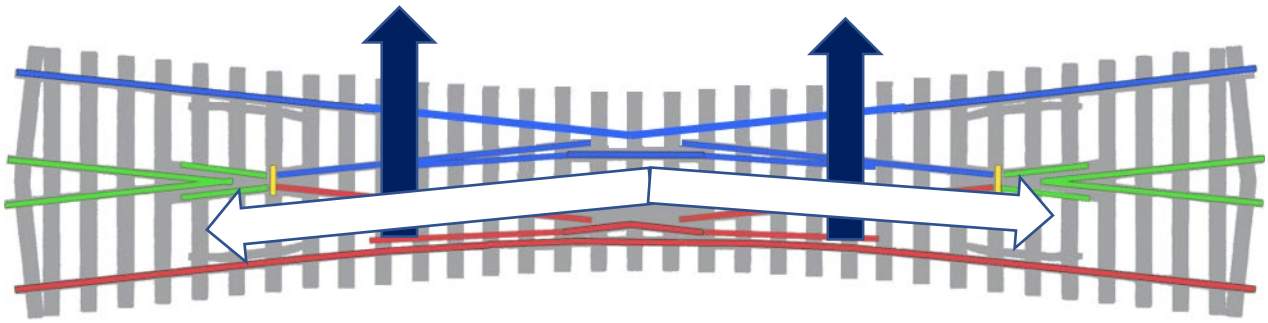


Tiebar (and so turnout motor) positions

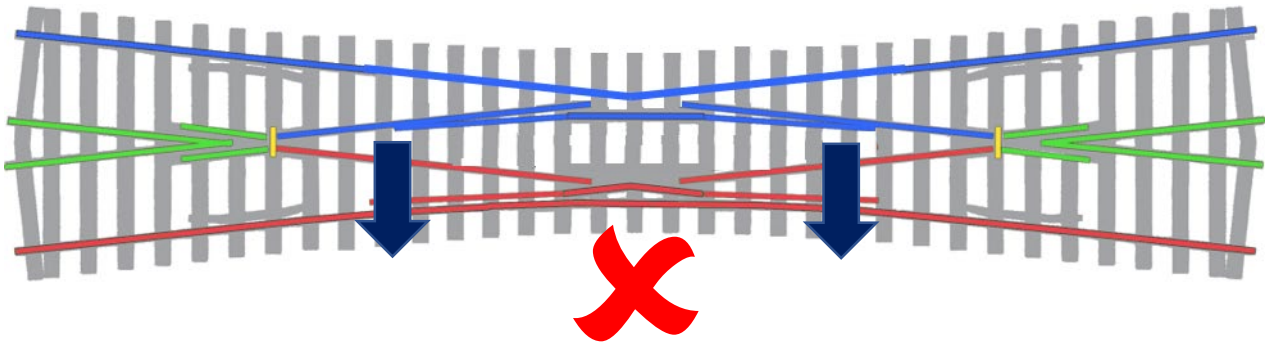
B



C



D



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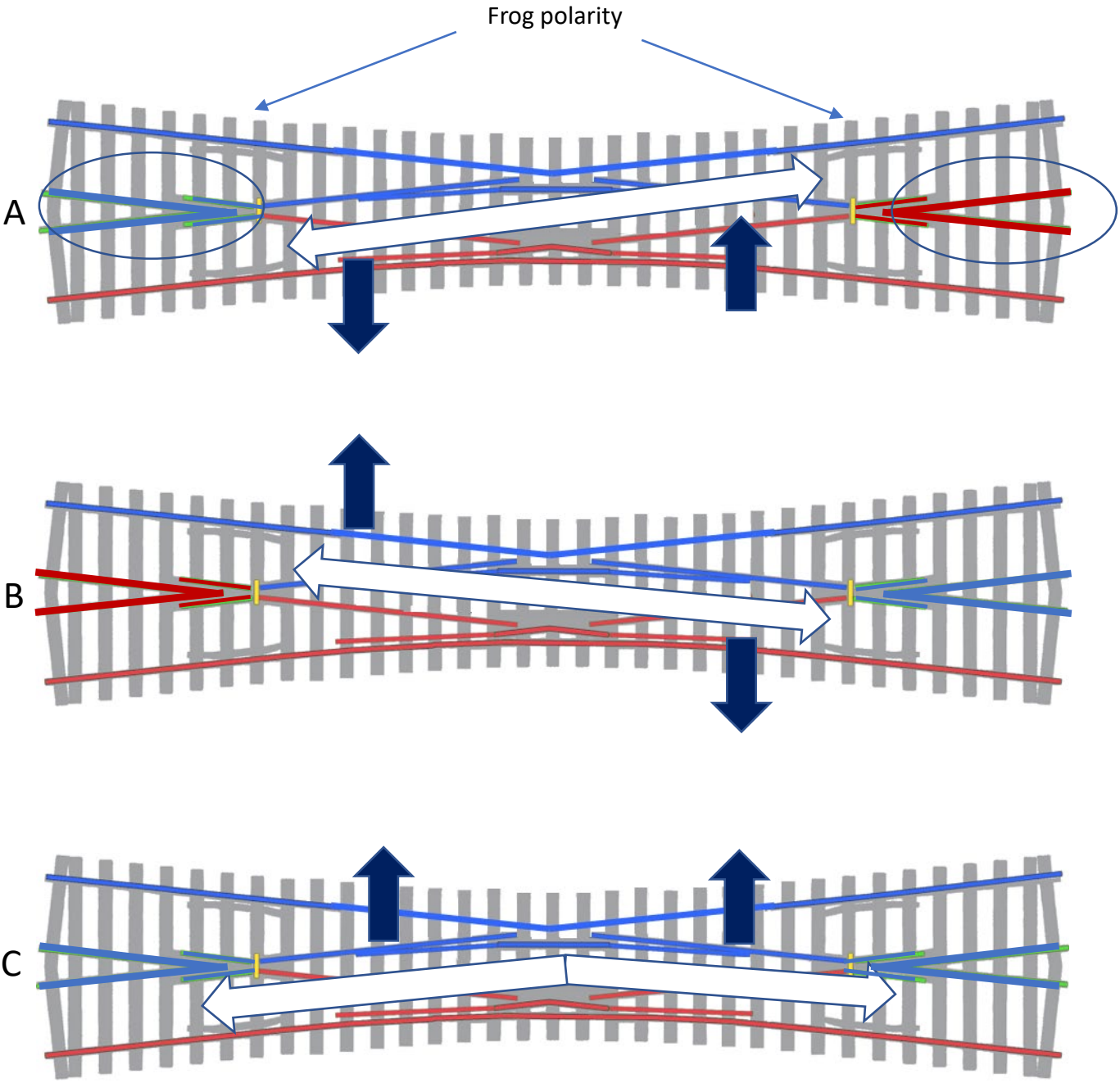

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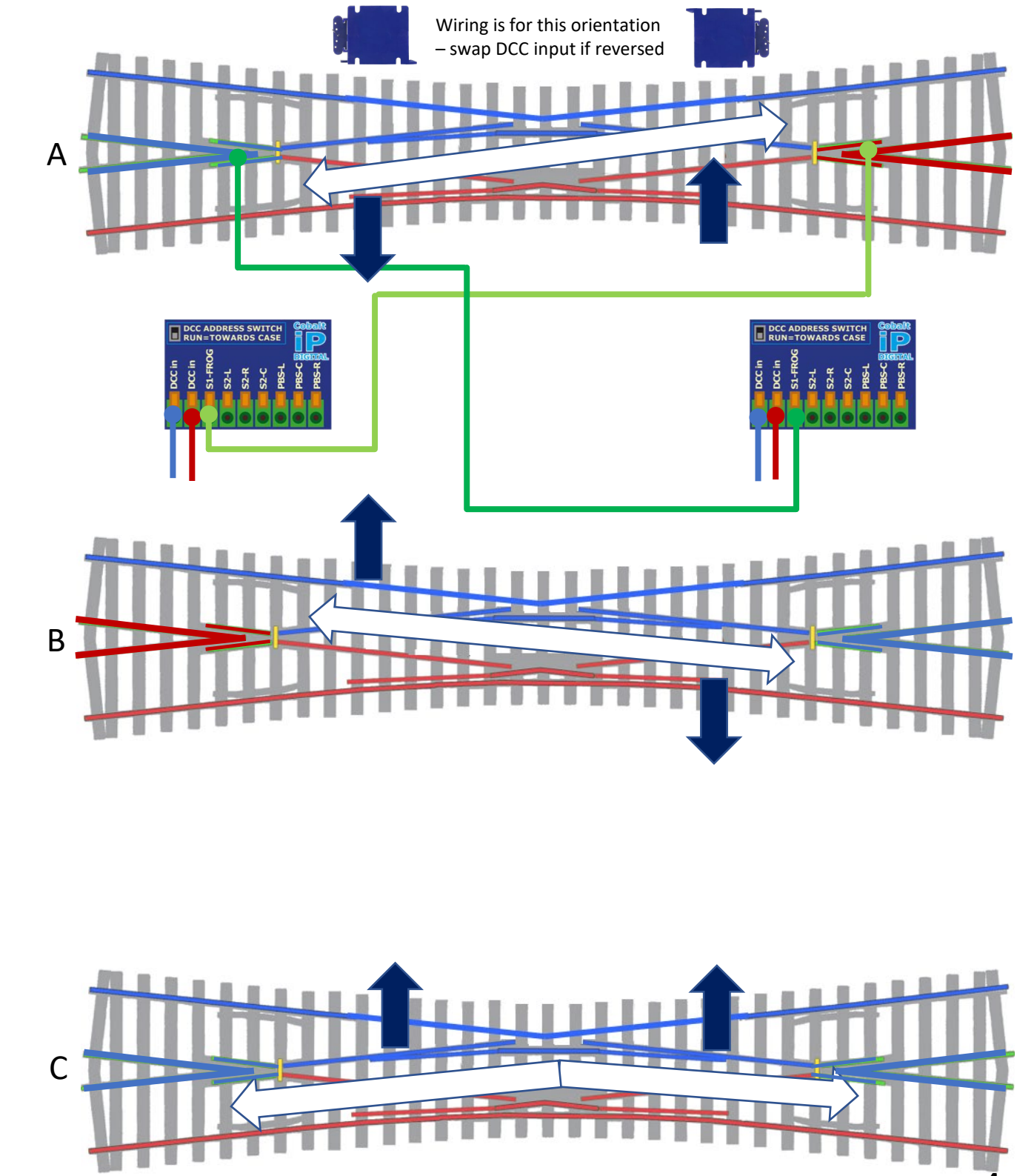

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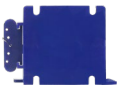
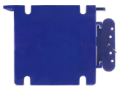
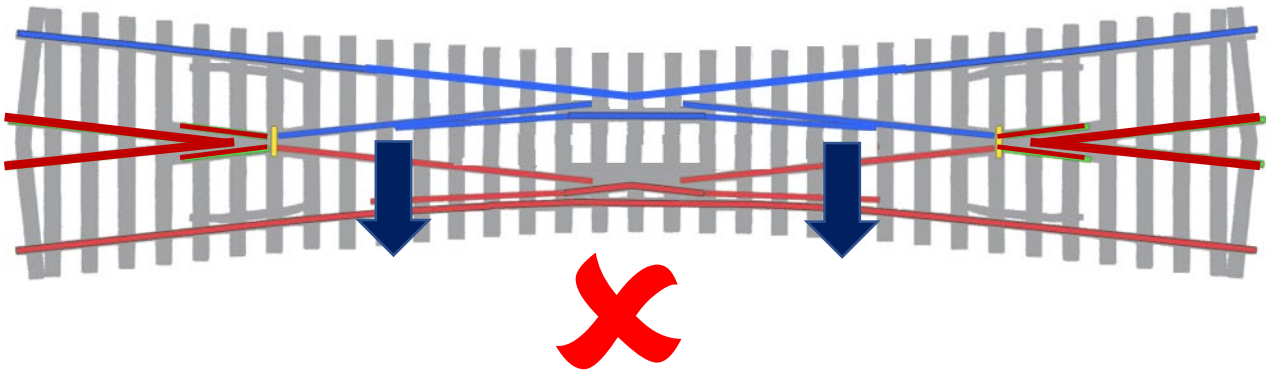
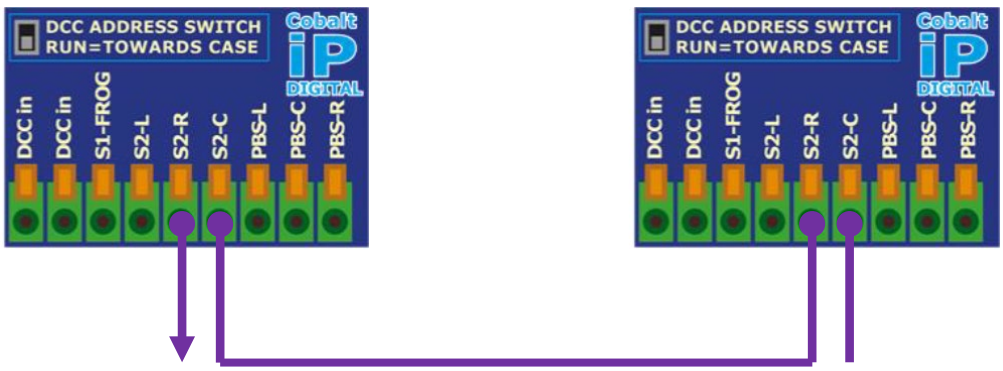



Cobalt #1 can't throw "DOWN" if
Cobalt #2 is "DOWN" and vice versa

D





Tip: Use this switching logic to feed a buzzer or an LED.
Use S2-L if the Cobalt is oriented the other way.