

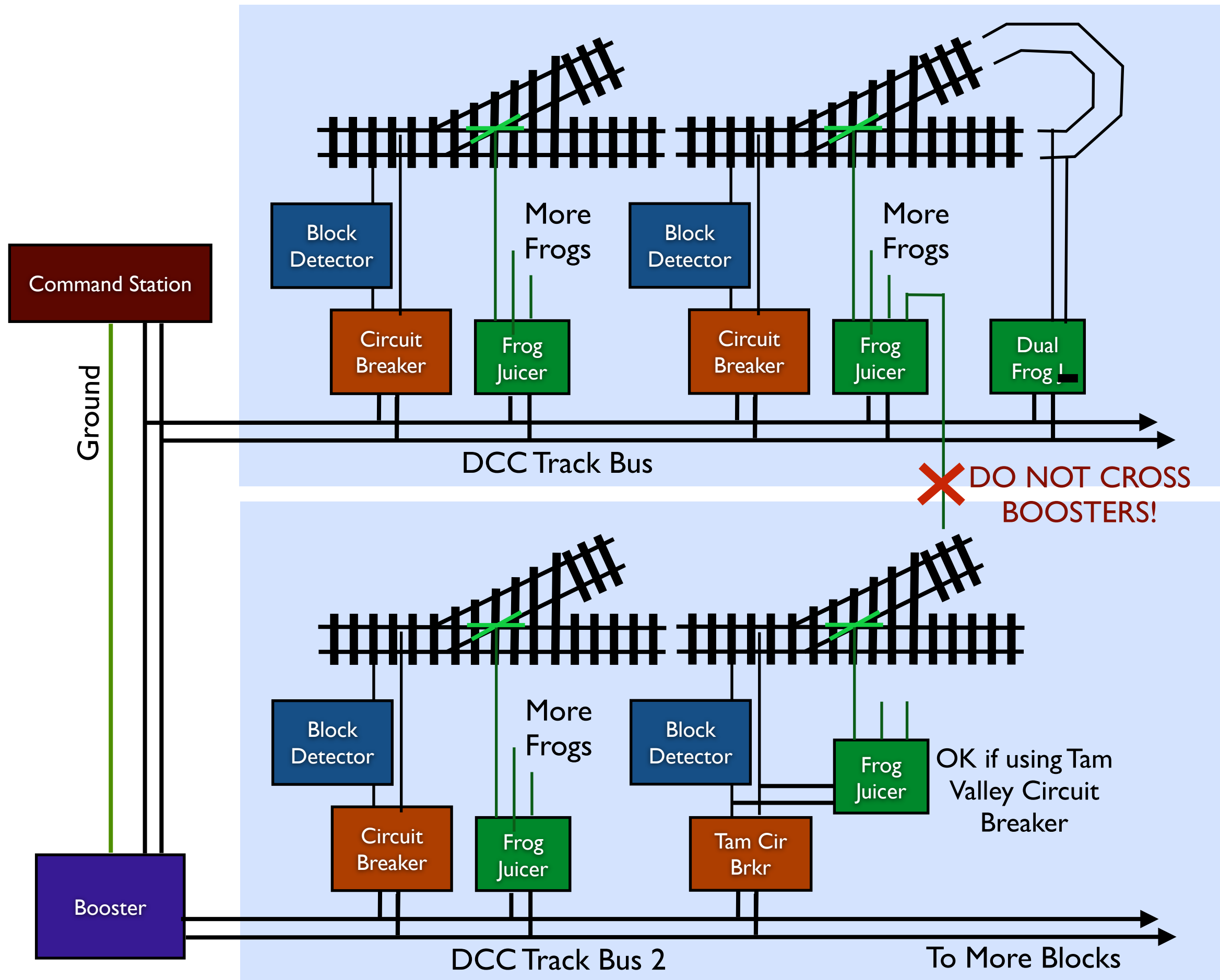


DCC Wiring

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They told me DCC was simple -
Just connect 2 wires to the layout!

The reality is much more
complicated!



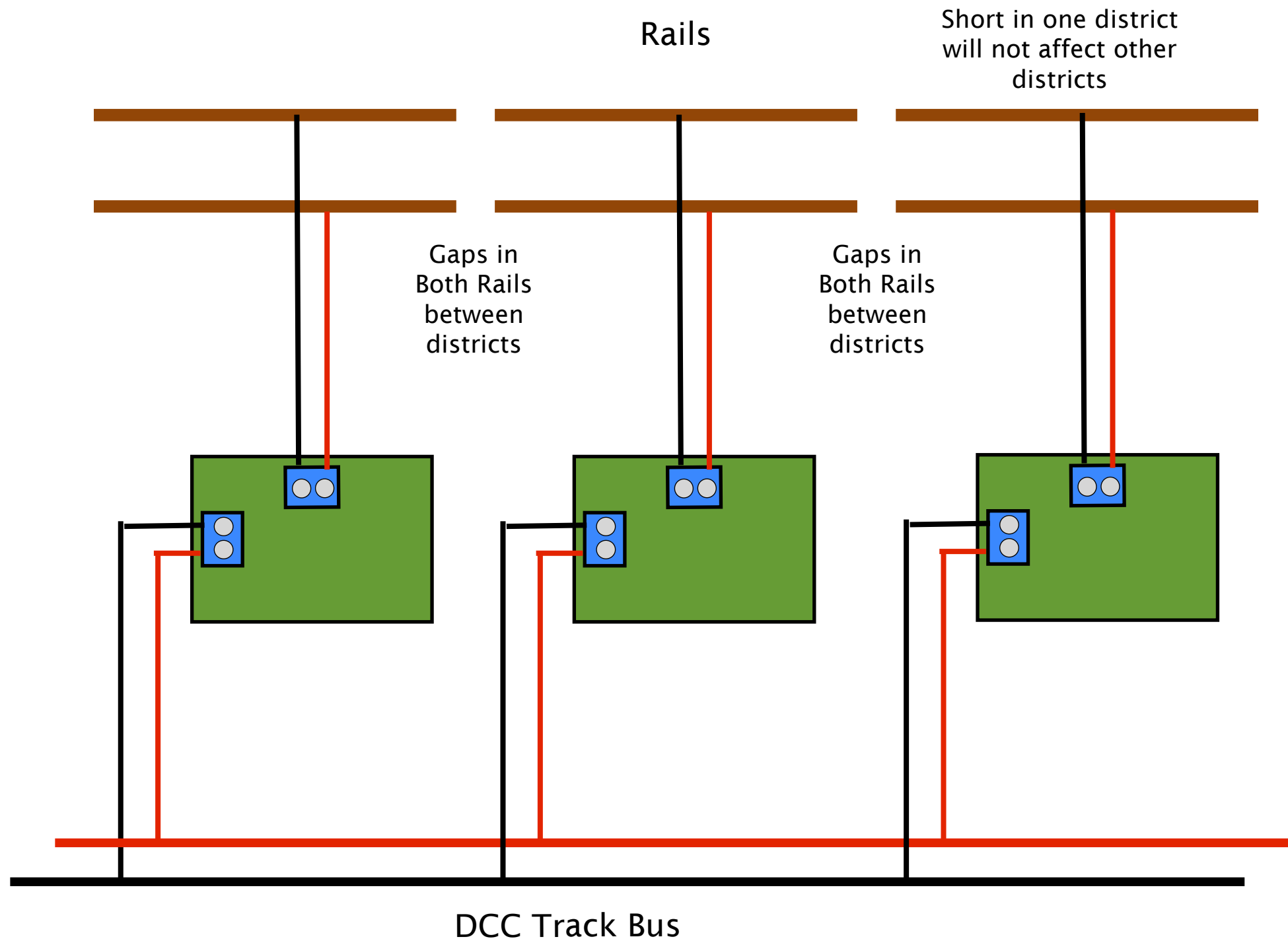
Bus Wires

- Use solid wire - 14-16 ga. for bus and 22 ga. for feeders. Make sure it is copper and NOT copper clad aluminum. Do not use household AC wire. Good sources - automotive supply, Amazon
- Twist the DCC wires around each other - just a single twist or two per foot is enough.
- Do NOT bundle your DCC wires with non-DCC wires
- Separate from other wires by a couple of inches and cross at right angles.
- Decide on a color scheme - red and black are popular

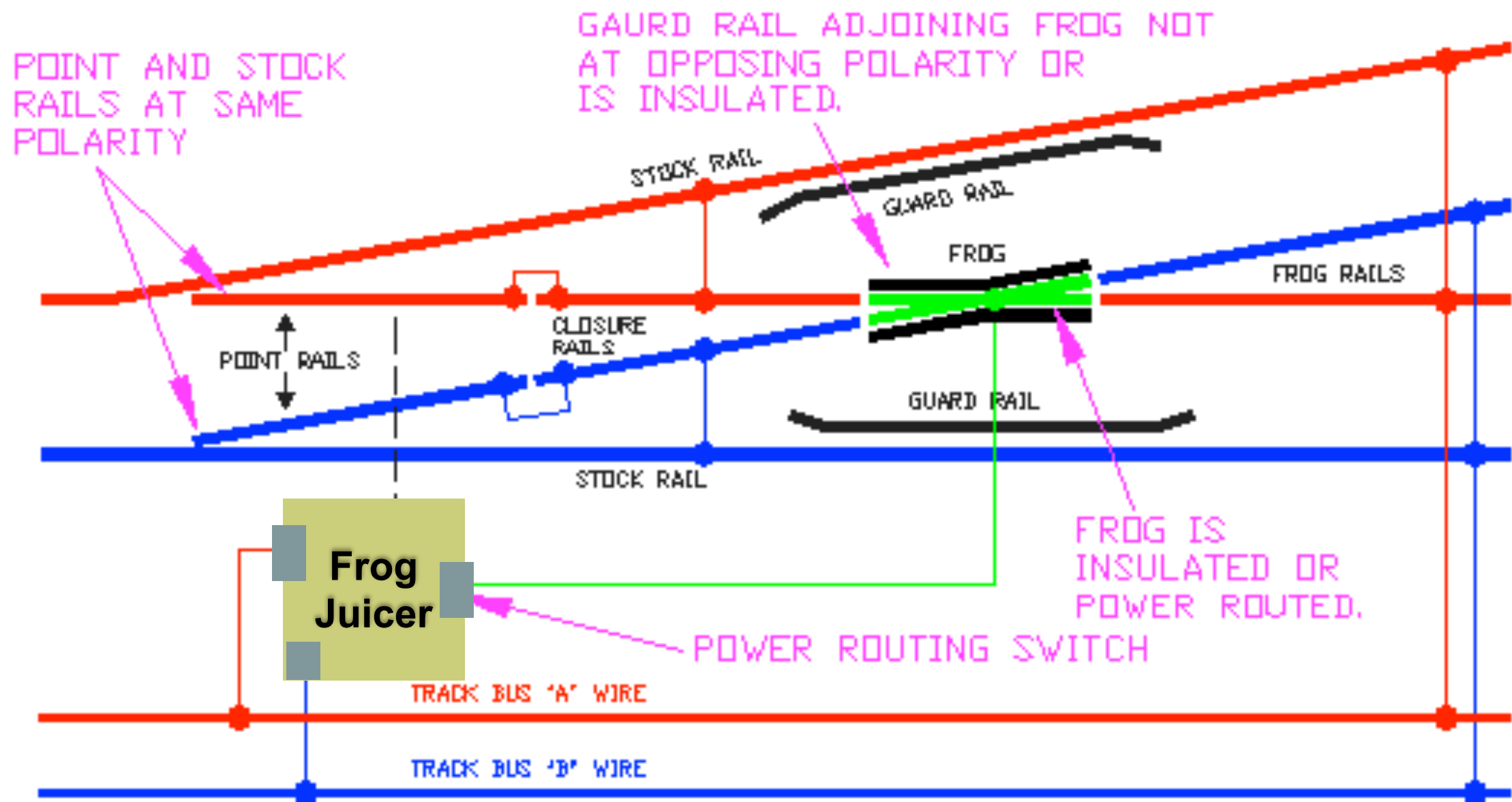
Feeder Wires

- Use solid wire - 22 ga. for feeders. Good sources - automotive supply, Amazon
- Solder your feeders with “no-clean” solder from either Kester or ChipQuick (Amazon).
- Do NOT use plumbing solder or flux.
- If you use Rosin flux clean the joint with isopropyl alcohol and a Q-tip.

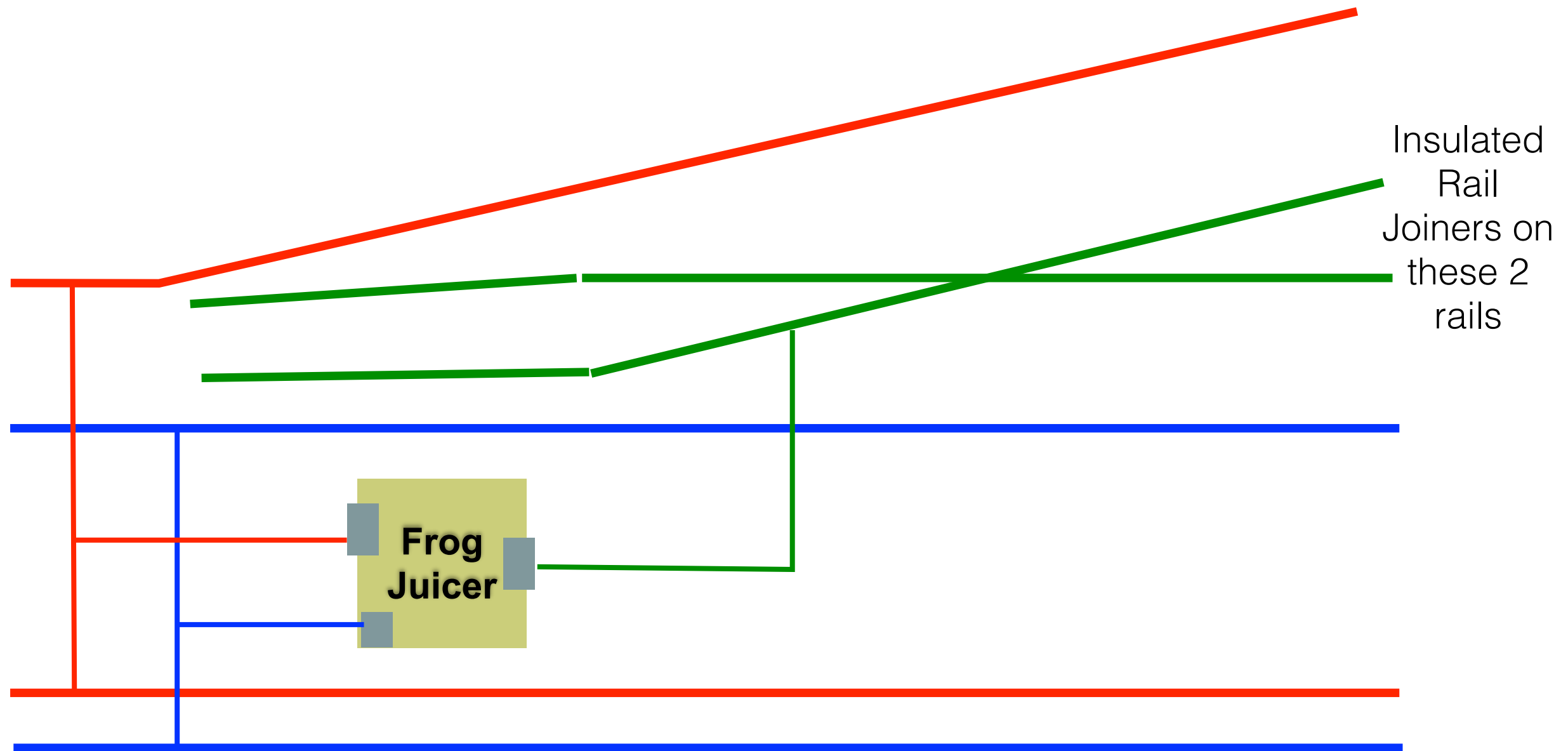
“Circuit Breakers” for Zones



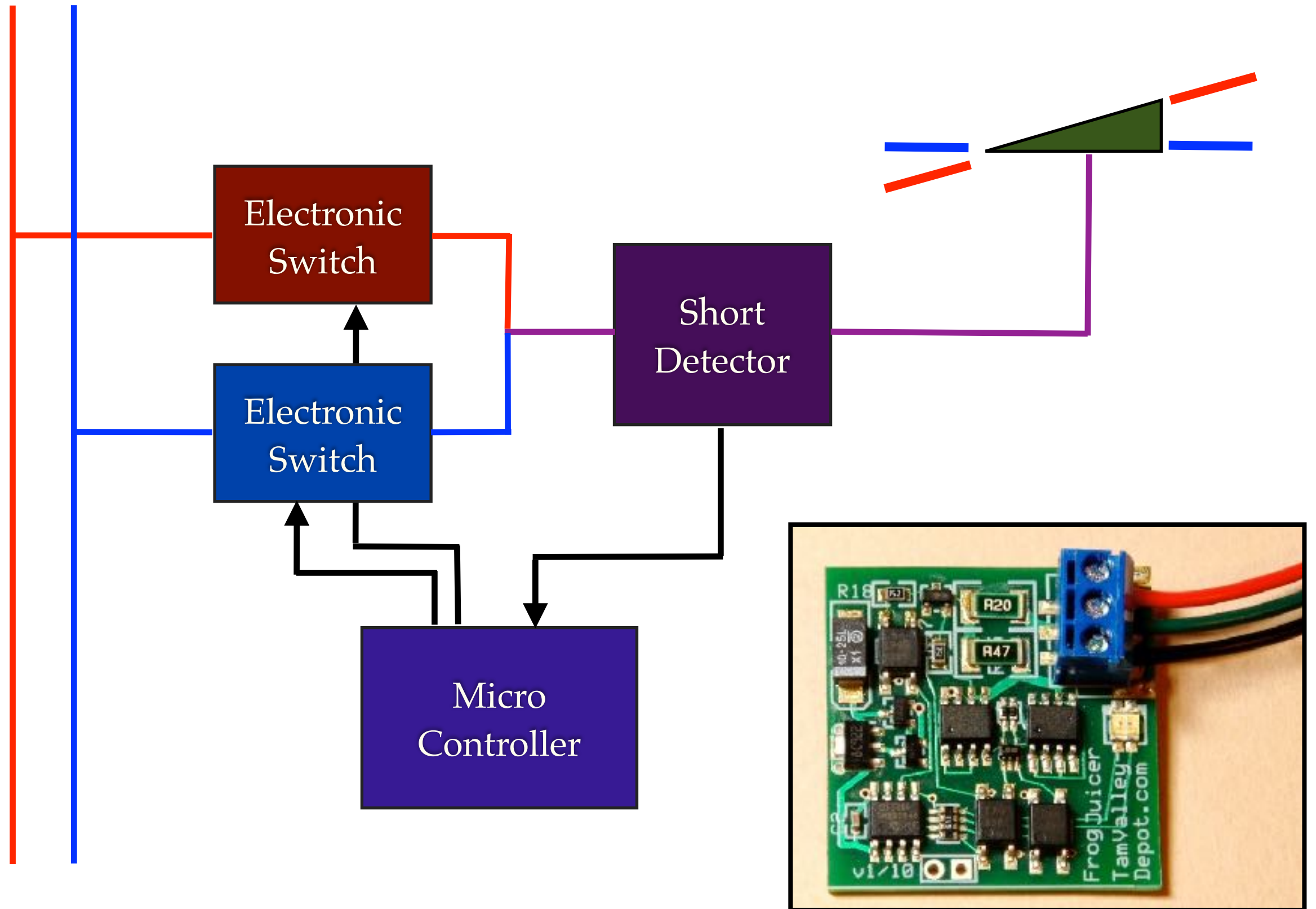
“DCC Friendly” Turnout



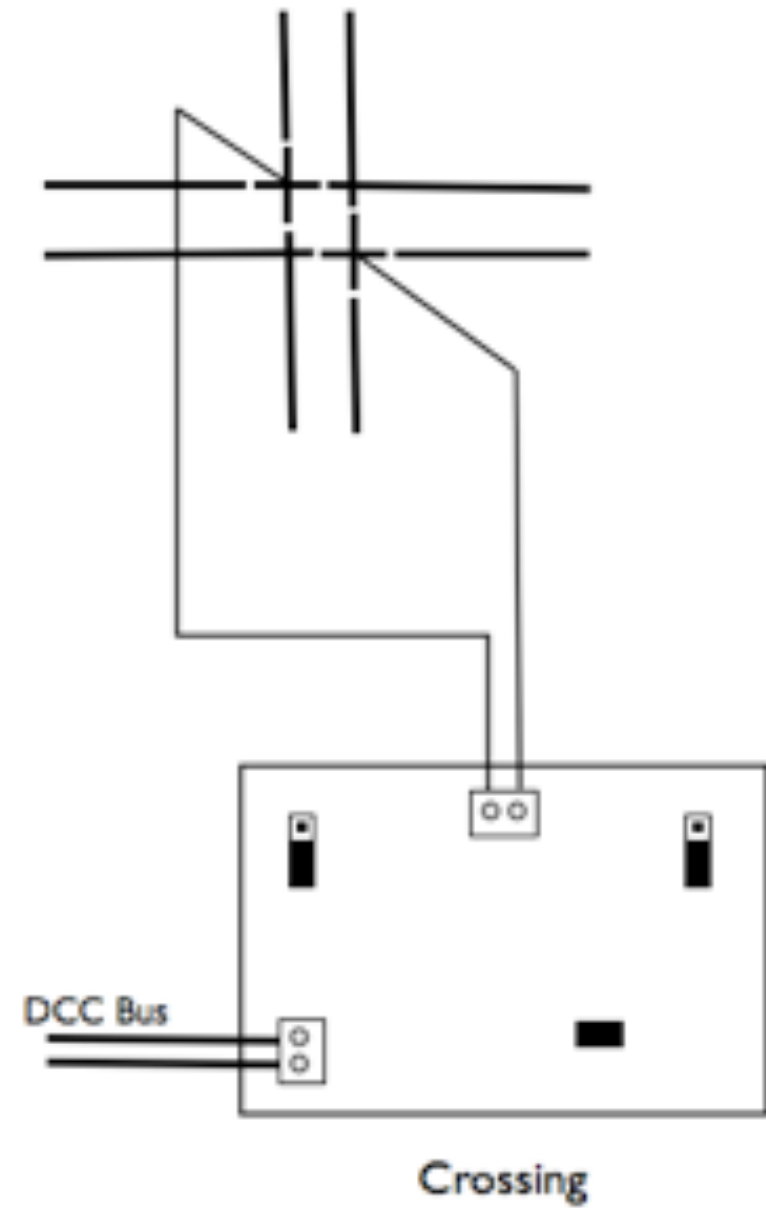
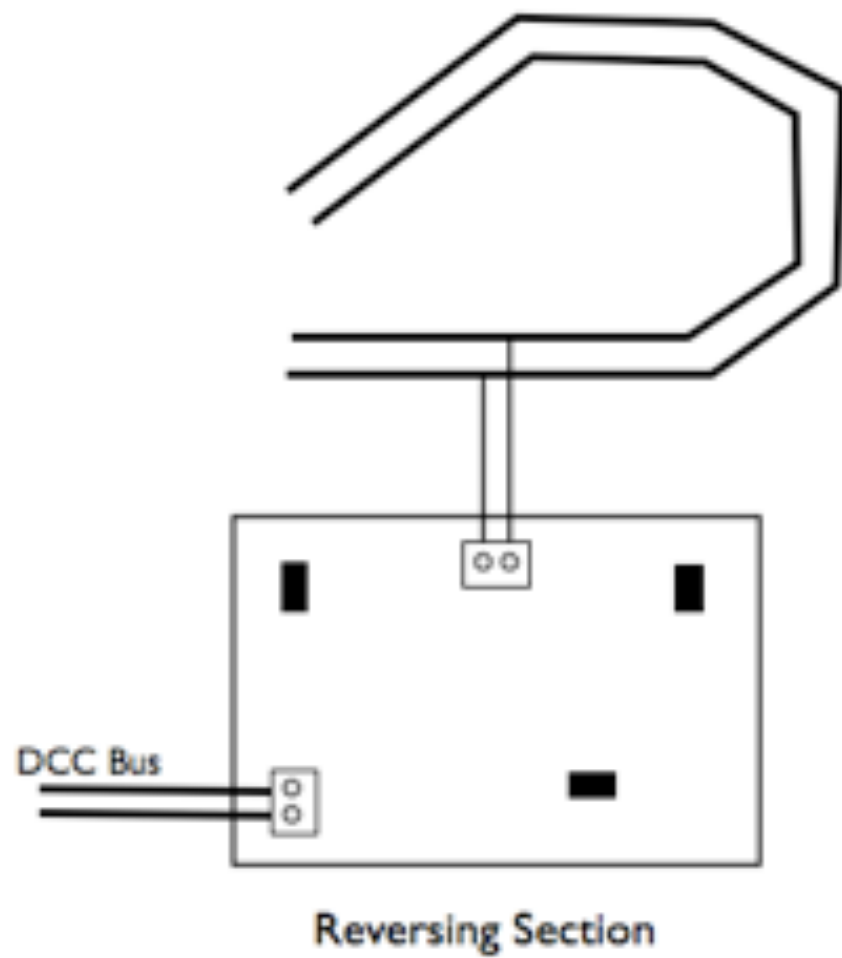
Live-Frog Turnout



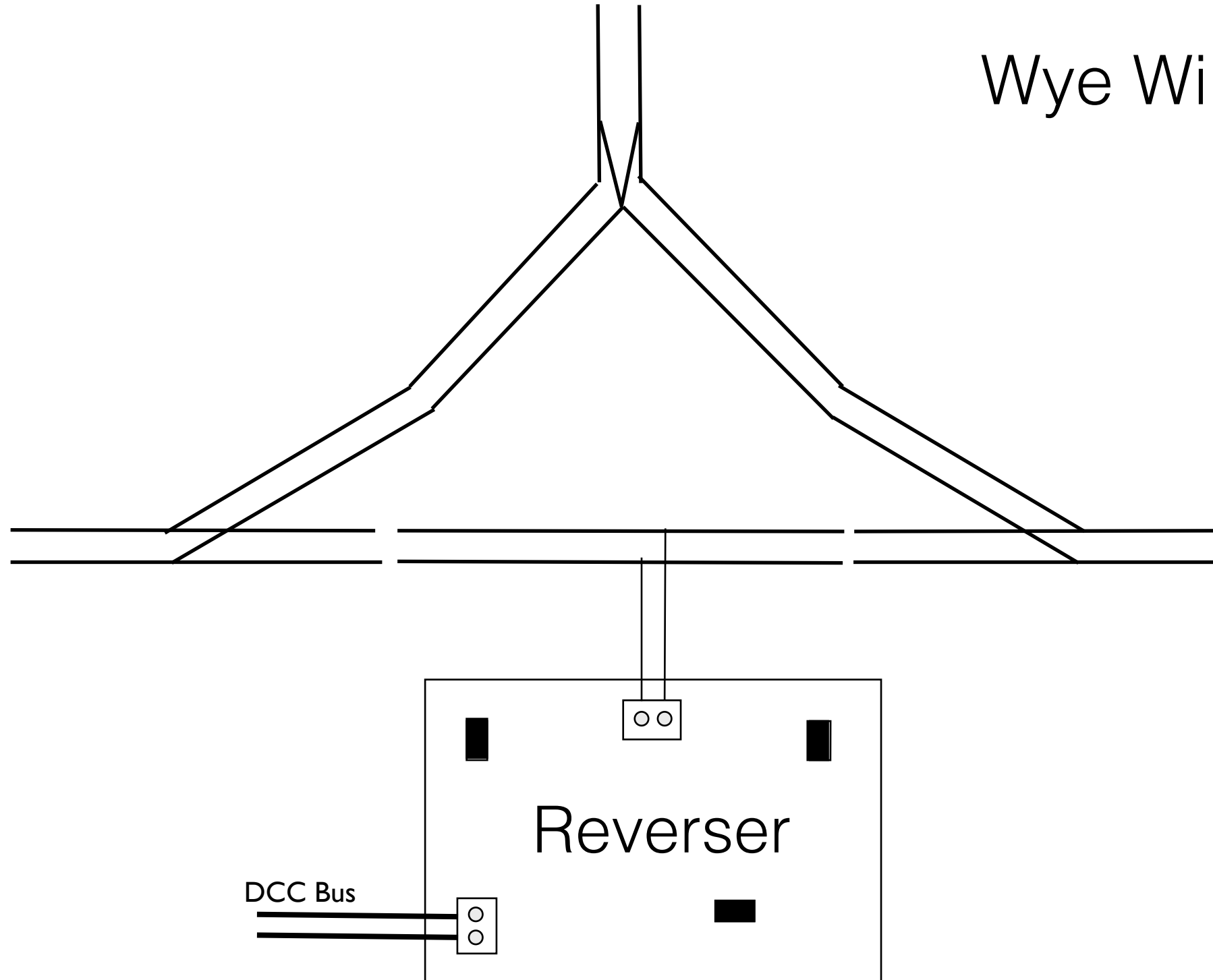
Frog Juicer Diagram



DCC Polarity Reversers

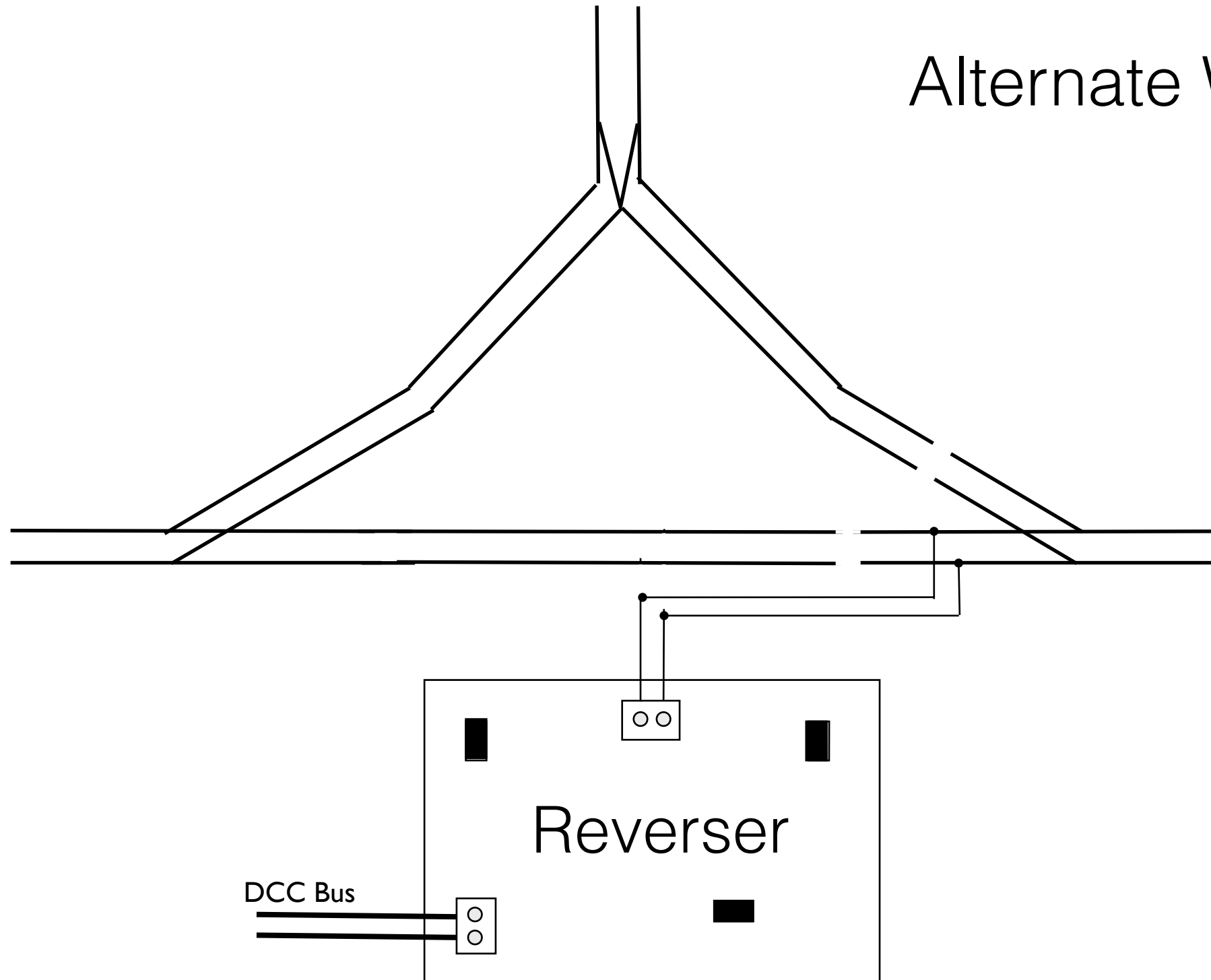


Wye Wiring



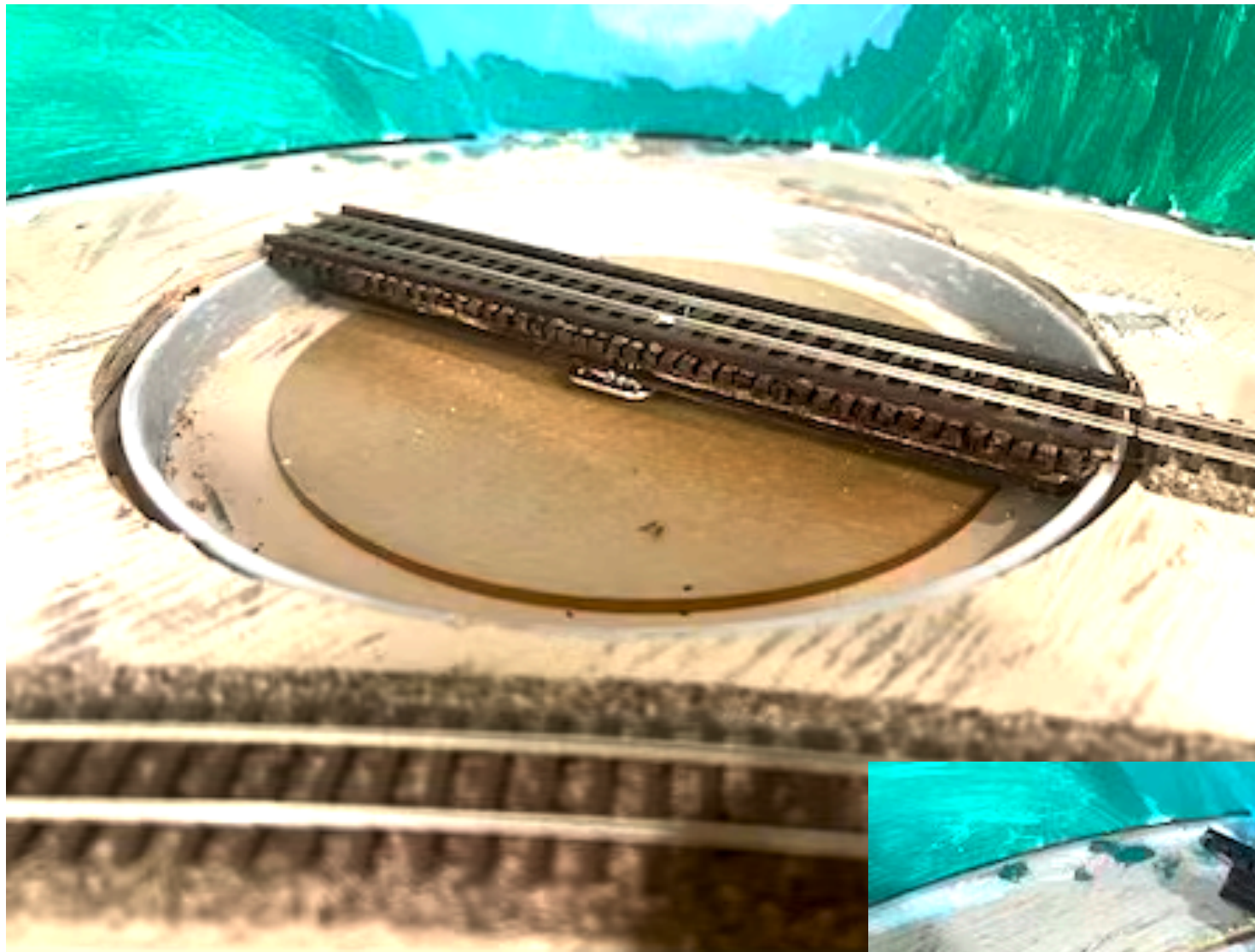
Wye - Pair Outputs Jumper On
4 Amp Jumpers On

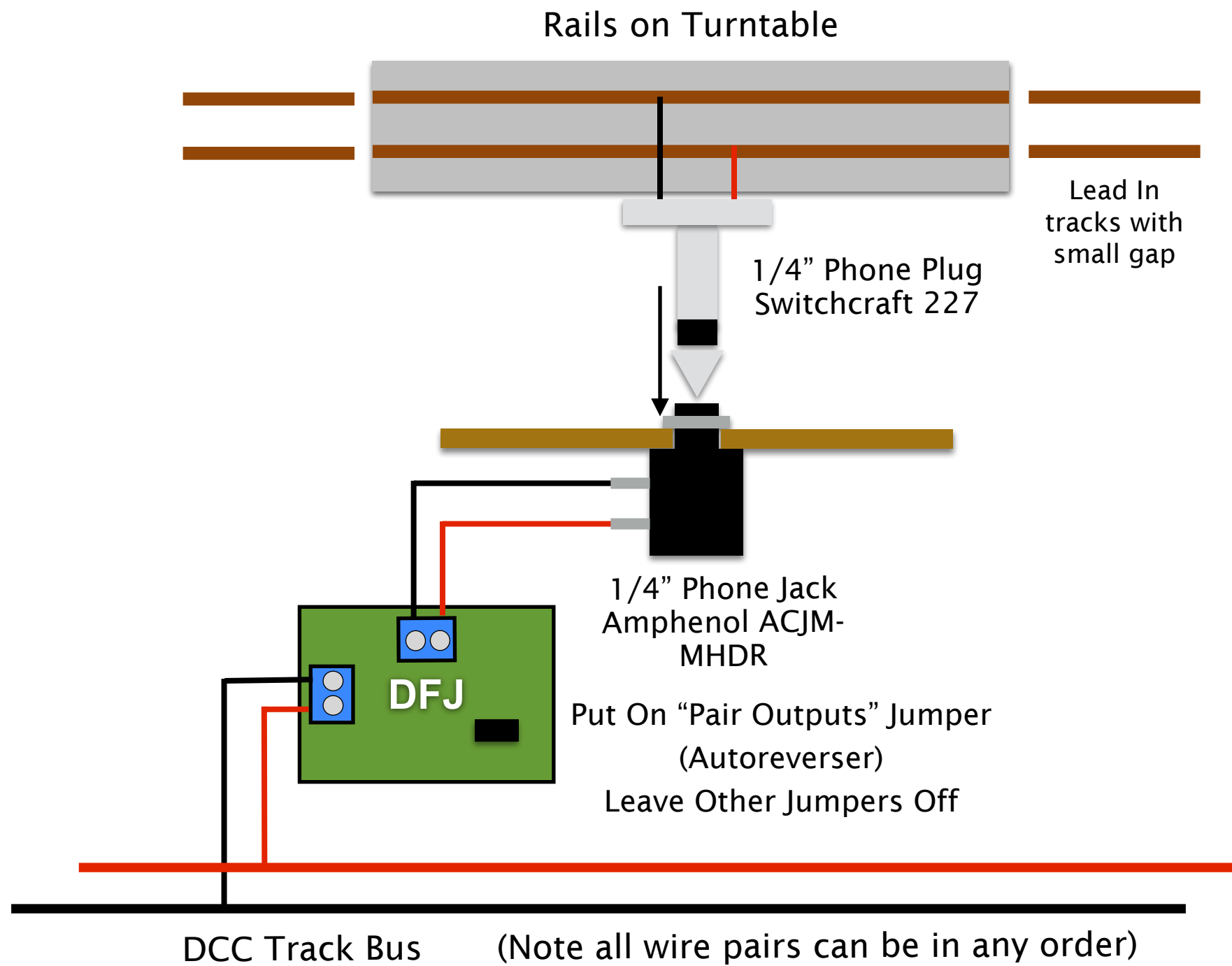
Alternate Wiring

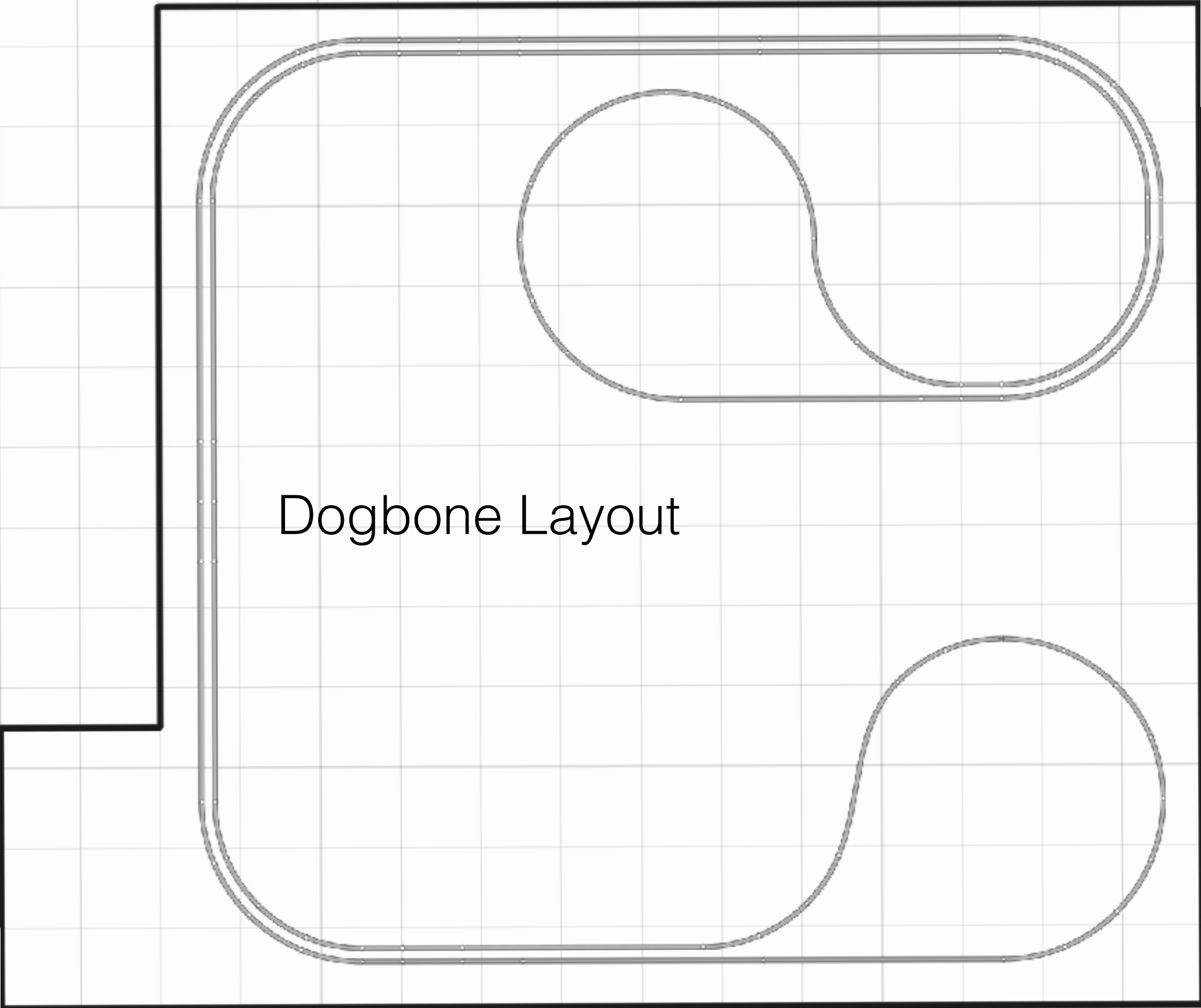


Wye - Pair Outputs Jumper On
4 Amp Jumpers On

Simple Turntable

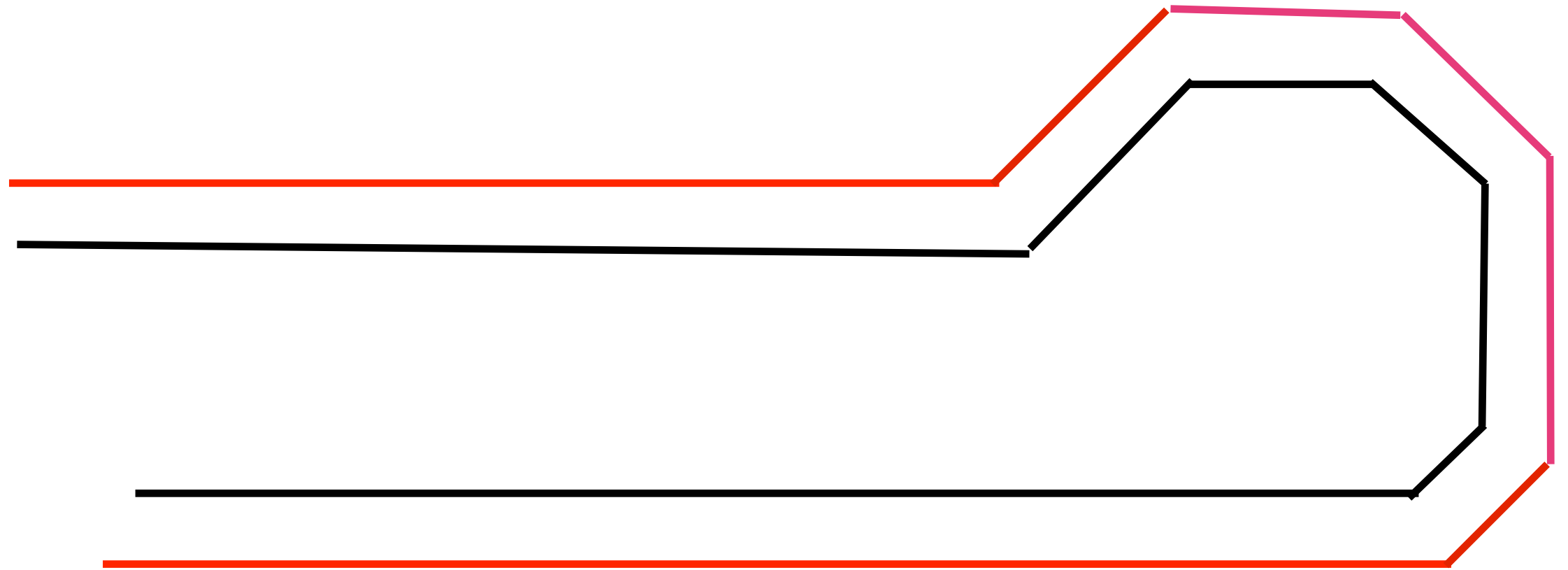




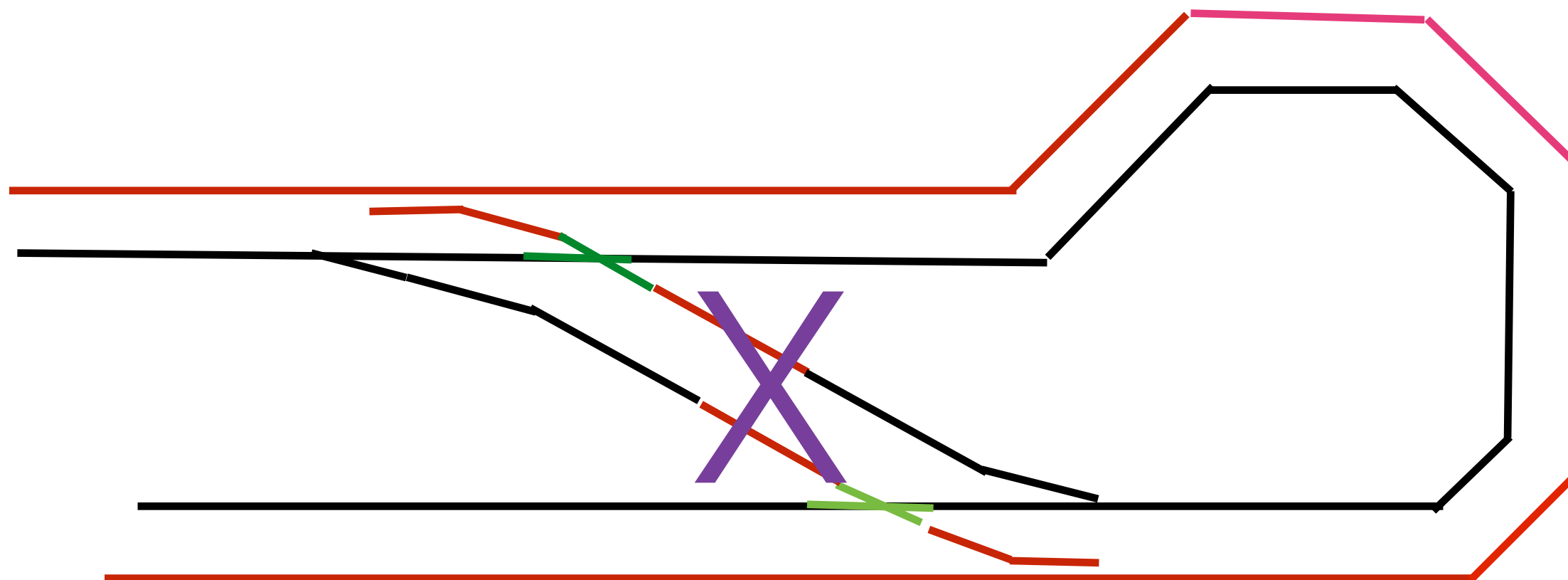


Dogbone Layout

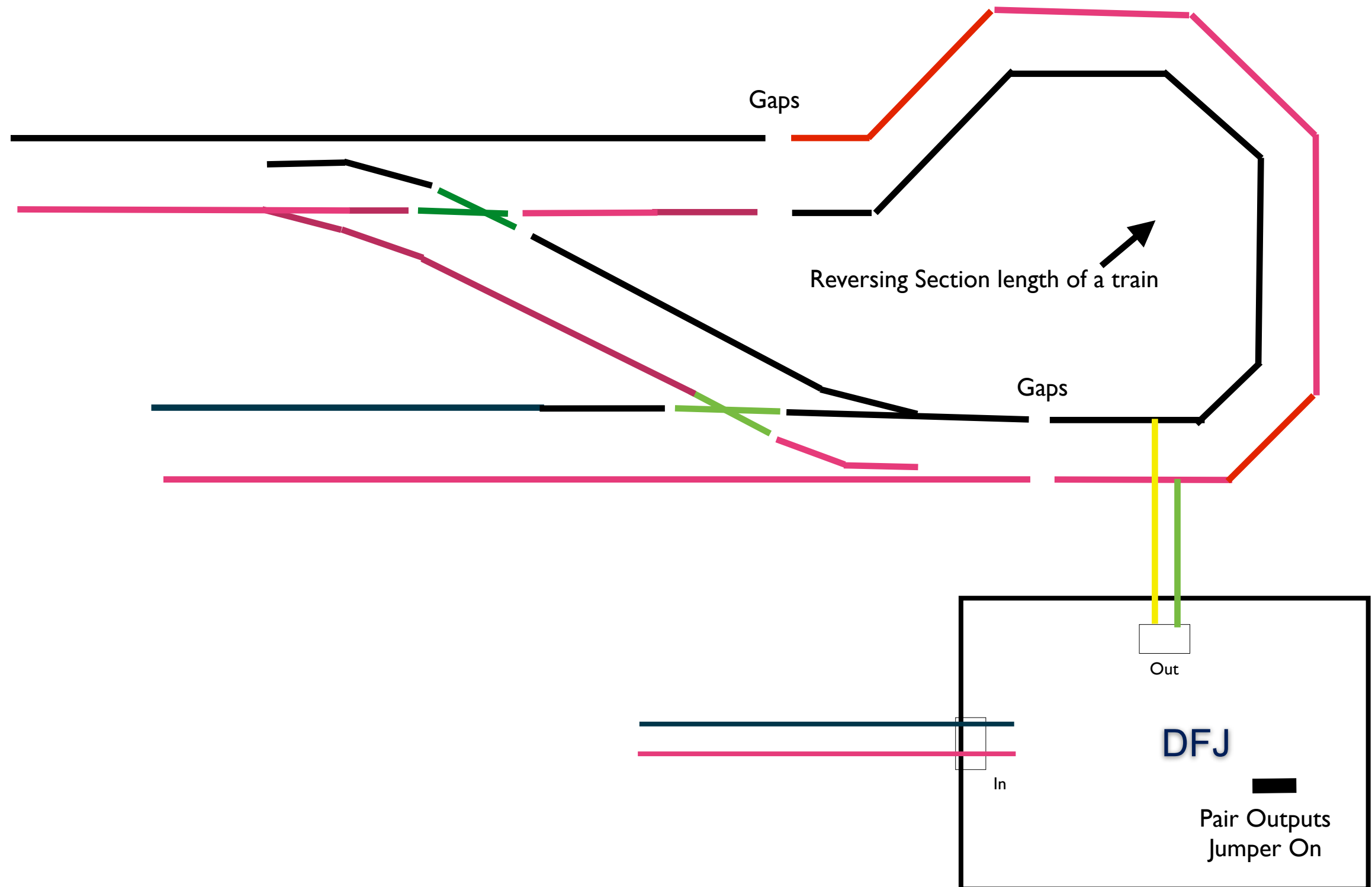
Dogbone Wiring



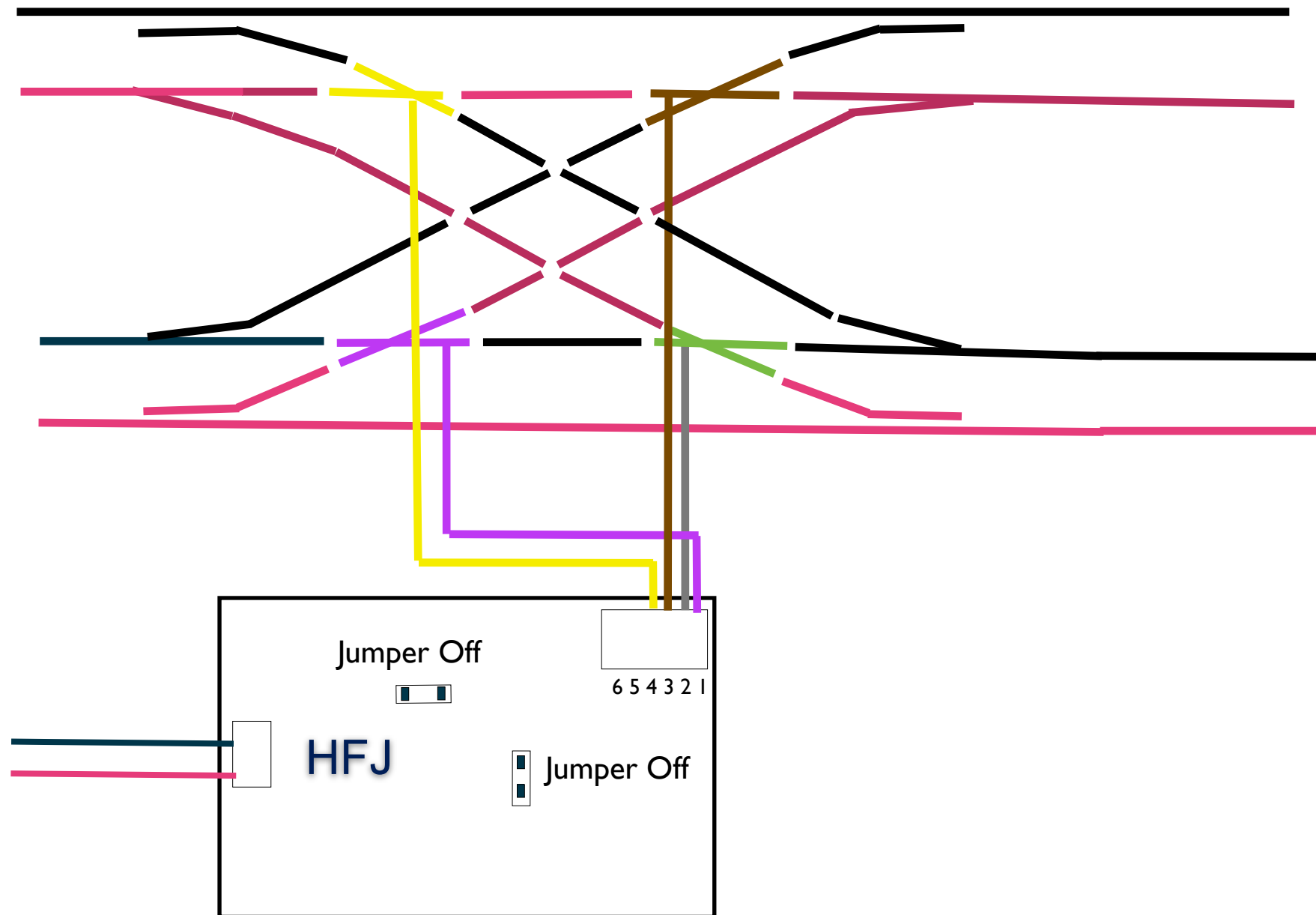
Adding a Crossing to a Dogbone



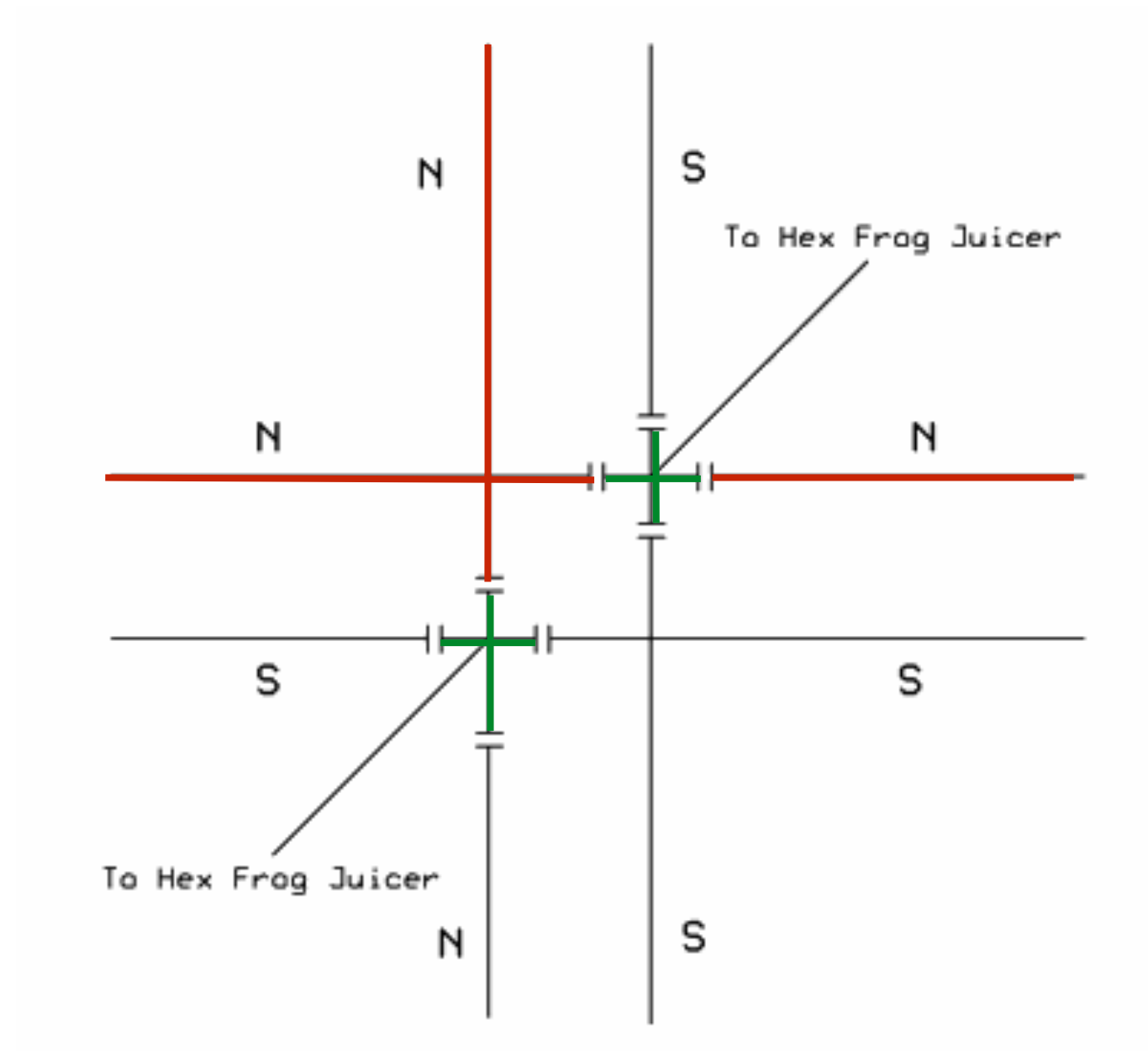
Problem Solved with Reverser



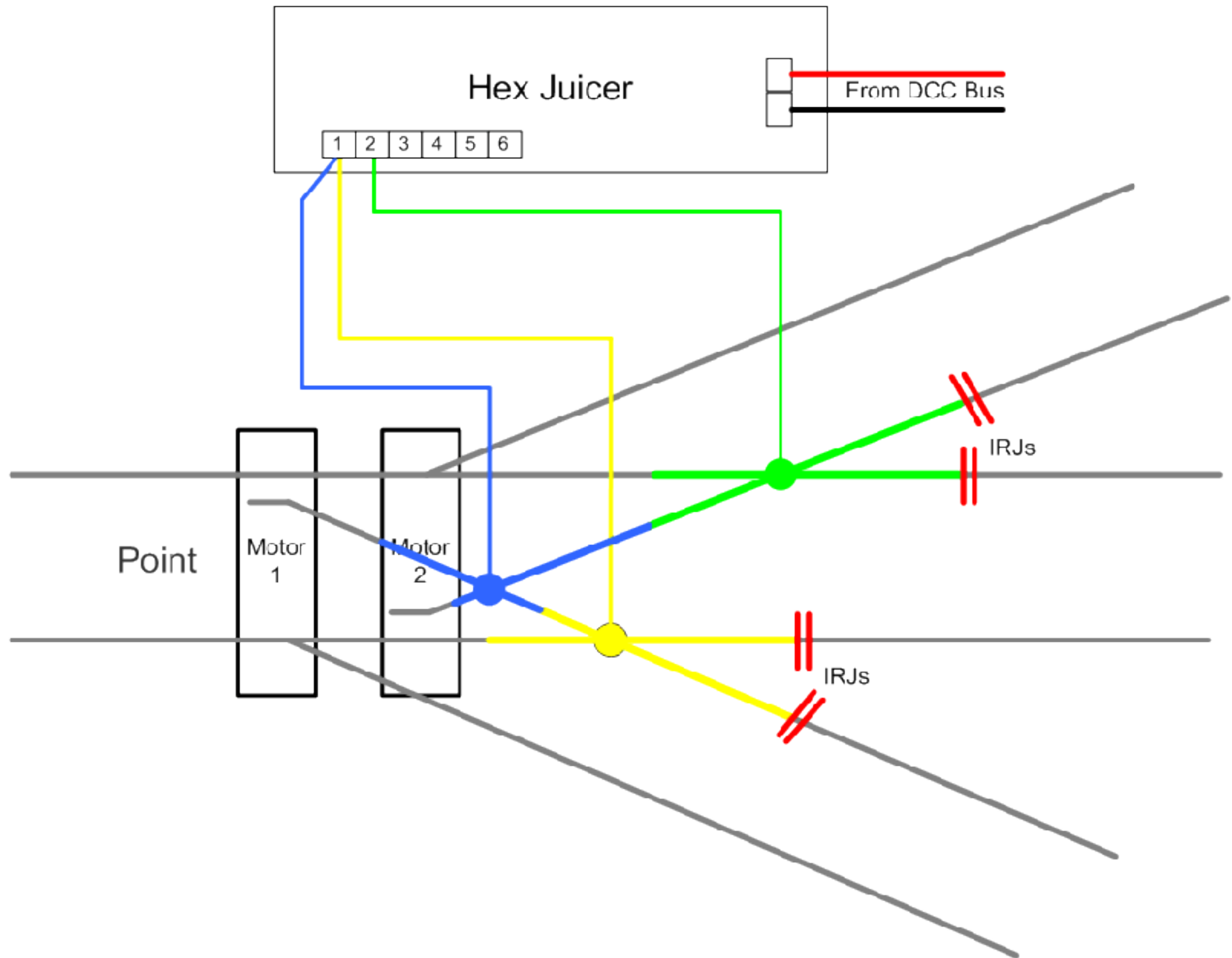
Double Crossover Wiring



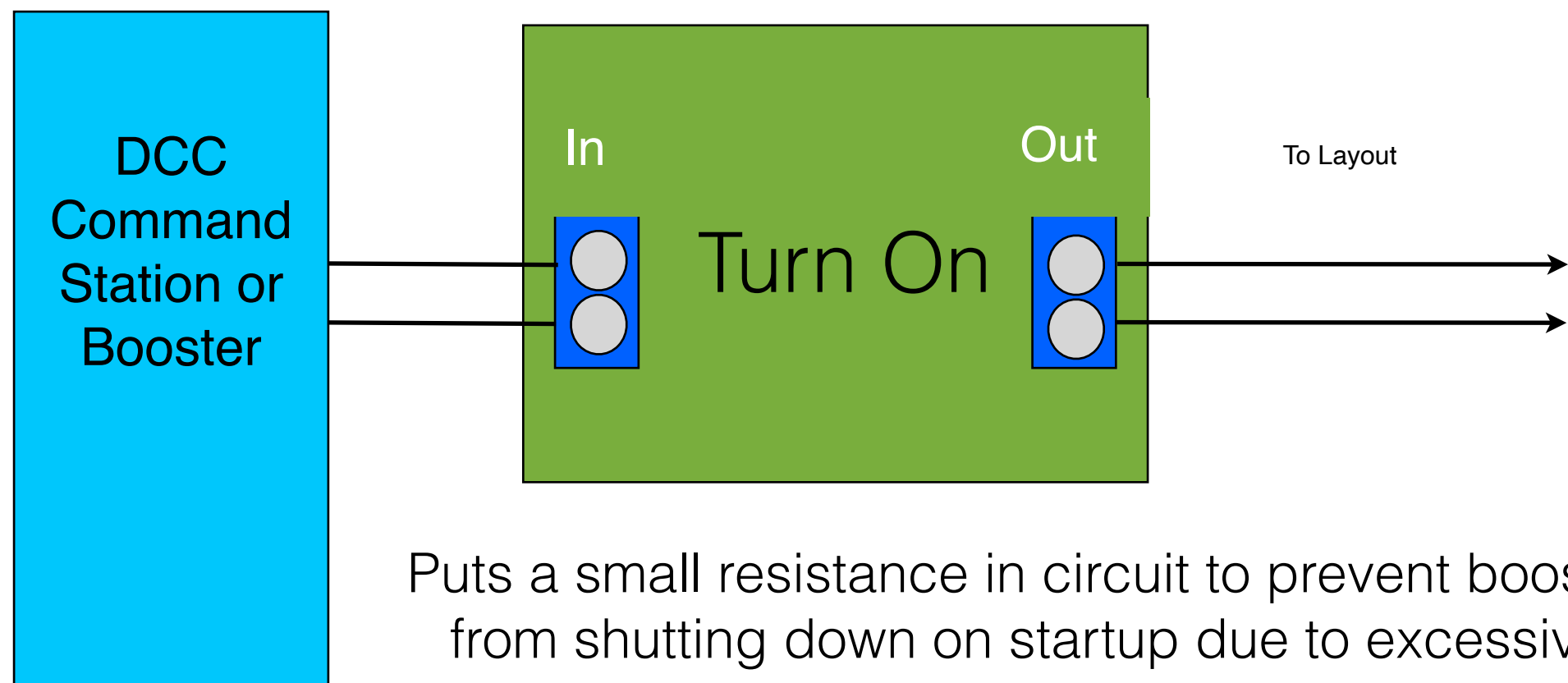
Crossing Wiring



3 way point with 3 wire frog.



Turn On aka Soft Start



Puts a small resistance in circuit to prevent booster from shutting down on startup due to excessive current draw by capacitors in locomotives. After voltage rises a relay bypasses the resistors.

Caveat: If you have more locomotives than the booster can supply it will not help.

Thank You !

