Battery + (On/Off) -

Basic RailBoss

Motor

Phoenix P8

C1-1
C1-2
C1-6
C1-7
C2-1
C2-6 Trig 5
C2-5 Trig 4
C2-4 Trig 3 (Bell)
C2-3 Trig 2 (Whistle)

Consult the Phoenix manual for remaining connections and more options.

Trigger sense should be active low.
Phoenix PB9
Sound Board Wiring

For more than 20V, use the Phoenix 3.6V battery instead of R/C battery.

Resistors are "optional but suggested" by Phoenix

Consult the Phoenix manual for remaining connections and more options.
Trigger sense should be active low.
Phoenix PB11 Sound Board Wiring

1N4001 Diodes or equivalent are “optional but suggested” by Phoenix

Consult the Phoenix manual for remaining connections and more options.

Trigger sense should be active low.
Phoenix 2K2
Sound Board Wiring

For more than 20V, use the Phoenix 3.6V battery instead of R/C battery.

Resistors are "optional but suggested" by Phoenix

Consult the Phoenix manual for remaining connections and more options.

Trigger sense should be active low.
Consult the MyLocoSound manual for remaining connections and more options. Trigger sense should be active low.
Due to the design of the Sierra Sound Board, the RailBoss motor output is not directly compatible with the Sierra inputs. An RCS SSI-12V5 board must be used to provide power and motor isolation to the Sierra.

Sierra programming:
- Speed sync source (steam boards) must be set for “Auto”.
- Bell and Whistle controls must be set for “Sensor Switch”.

No Battery or connections required at the 3-pin battery connector.
Basic RailBoss

Battery + (On/Off) -

+ 11 - 12
13 M+ 14 M -

10 S1
9 S2

Motor

Dallee

J2-1 +
J2-2 -
J3-2
J3-3
J5-2 Trigger 4
J5-1 Trigger 3
J4-2 Bell
J4-1 Whistle

Consult the Dallee manual for remaining connections and more options.

Trigger sense should be active low.