Differential Summing Amplifier Wiring Diagram

Determine whether you will power your amplifier from dual power supplies ±1.5 V to ±16 V or a single supply +3 V to +32 V.

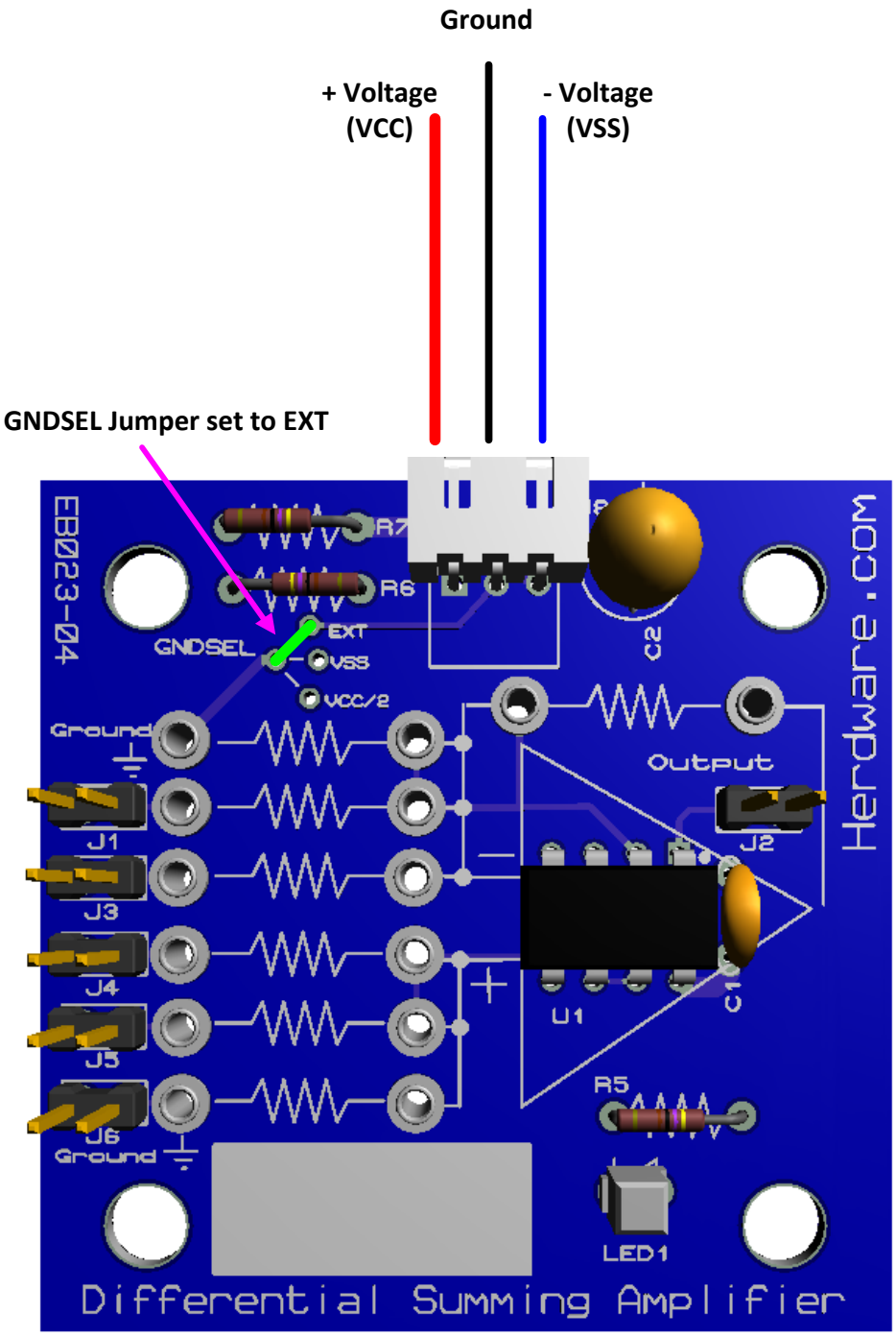
Determine the type of ground reference desired.

- For a dual power supply (Ex: +/- 5V) the ground will be on the center pin (Black) of the power connector. Install the GNDSEL jumper in the EXT position to utilize the external ground reference. Most common for dual supply.

- For a single supply (Ex: +5V) where the positive voltage is on pin 1 (Red) of the power connector and Ground on Pin 3 (Blue), you can select whether you want to use the onboard reference that is set to ½ VCC (Ex: ½ of 5V = 2.5V). Install the GNDSEL jumper in the VCC/2 position. Most common for single supply.

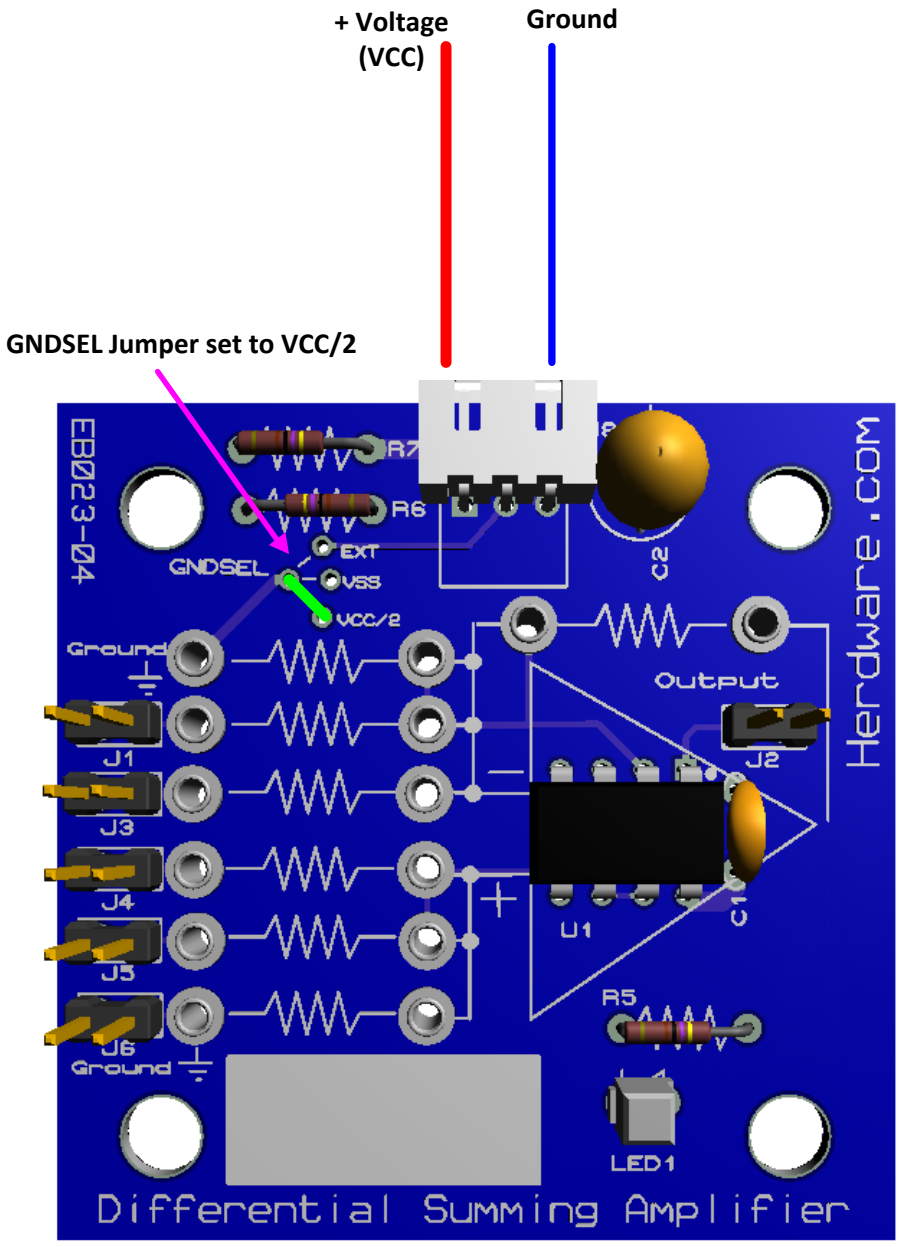
- For a single supply (Ex: +5V) where the positive voltage is on pin 1 (Red) of the power connector and Ground on Pin 3 (Blue), you can select the pin 3 ground as the ground reference by installing the jumper in VSS. This is not commonly used.

Dual Supply Cabling - ±1.5 V to ±16 V



Single Supply Cabling - 3 V to 32 V

Ground Reference = ½ VCC



Single Supply Cabling - 3 V to 32 V

Ground Reference = Power Supply Ground