Note...

To prevent ground loops, you can use a 0.1uf ceramic cap from pin #1/Sleeve to chassis ground, instead of a hardwire connection.

The Source impedance (looking back into the output connector) is approx 600 ohms with the values shown.

The Input impedance for each input is approx 5.7k ohms.

Load impedance (the input impedance of the device to which the output of the summing buss is attached) should be 10k ohms or higher.

Chassis Ground

Balanced Input Summing

Un-Balanced Input Summing

8 Channel Passive Summing Busses