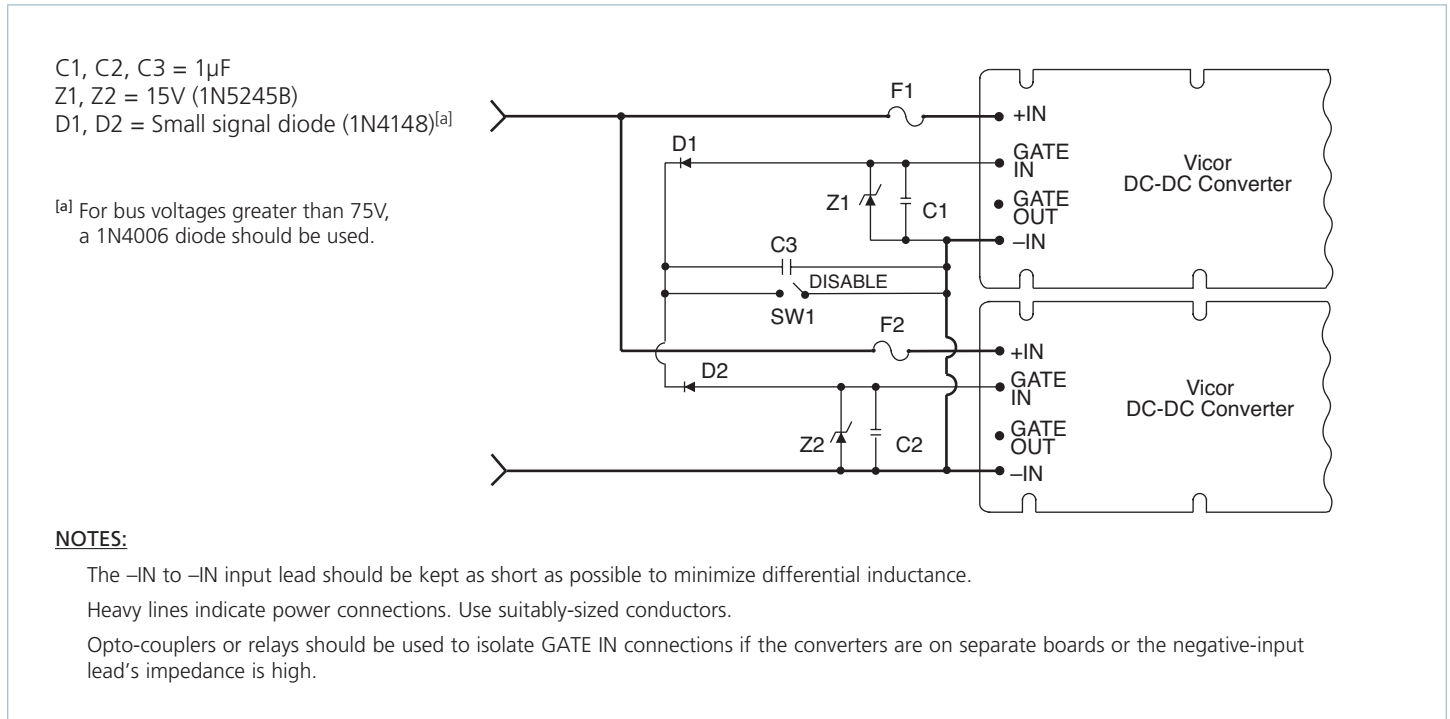


**Overview**

A number of GATE IN pins may be connected for remote shut down and logic disable. (Figure 6.1) Diodes D1 and D2 provide isolation and prevent multiple failures if the GATE IN of a module becomes shorted to the +IN. The Zener diodes Z1, Z2 and capacitors C1, C2 attenuate transient voltage spikes caused by differential inductance in the negative lead. Capacitors C1 and

C2 will also lengthen turn-on time. SW1 is a mechanical or solid state switch that is used to disable both Driver modules. C3 is used to minimize the effects of "switch bounce" associated with mechanical devices.

**NOTE:** GATE IN voltage needs to be <0.65 V referenced to -IN to ensure modules are disabled.



**Figure 6.1** — Protection for multiple GATE IN connections