

CLAMP CIRCUIT FOR REMOTELY-SENSED VOLTAGE

ABSTRACT OF THE DISCLOSURE

An apparatus provides power to a remote load (R_{LOAD}), such as a plurality of digital integrated circuits. The power is routed to the load through a first plurality of pins of a connector (P1), which
5 is mounted, for example, on a periphery of the apparatus's printed circuit board. A feedback path (FB) is provided from the load to the apparatus in order to monitor a voltage (V_{LOAD}) at the load. The feedback path is routed to the apparatus through a second plurality of pins of the connector. In order to facilitate testing of
10 the apparatus, the output of the apparatus is isolated from the feedback path by a resistance (R2). A switch device (D2) is coupled in parallel with the resistance to prevent the output voltage of the apparatus from exceeding a level which the load can safely tolerate.

15

FIGURE 1