



## SWITCHABLE DIFFERENTIAL TERMINATOR

### ABSTRACT

5           A method and apparatus electrically disconnects termination on a differential transmission bus. A switchable impedance matching termination apparatus is provided including a terminating resistor network for terminating at least one pair of a plurality of differential signal line pairs. Also, the invention provides a voltage source. An enabling signal input is connected to the voltage source and provides a signal. Further, 10 the invention has a first signal network interconnected between the enabling signal input and the terminating resistor network. Also provided is a second signal network interconnected between the enabling signal input and the terminating network wherein the first and second signal networks are responsive to the signal. The response is 15 pairs. A method is also provided for disconnecting terminating resistors on a device having a differential transmission line.