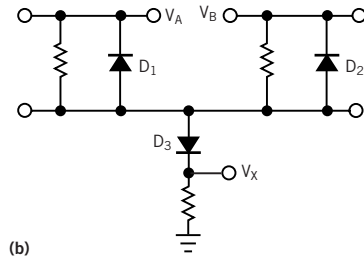
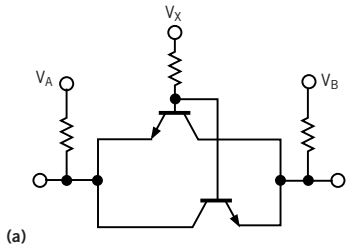


**Figure 1**



**An open-collector or open-drain circuit (a) typically interfaces between two systems that operate at two arbitrary voltages. A diode-based circuit (b) can extract the lower operating voltage.**