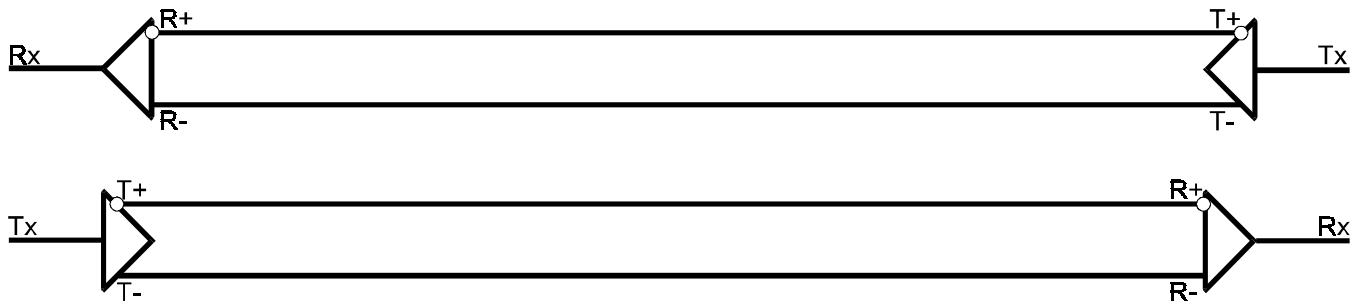


## Edgeport/2i with RS-422 Point to Point/Symmetrical



### Configuring the Cable Connections (DB9 female)

3 → T <sub>A</sub>	(T-)	transmit data negative	
7 → T <sub>B</sub>	(T+)	transmit data positive	
8 → R <sub>A</sub>	(R-)	receive data negative	
4 → R <sub>B</sub>	(R+)	receive data positive	
5 →		signal ground	
1, 2, 6, 9		no connect	

**IMPORTANT:** Note that the differential pair T<sub>A</sub> and T<sub>B</sub> should be together in one twisted pair and R<sub>A</sub> and R<sub>B</sub> should be together in another twisted pair. Half duplex contains only one twisted pair.

### Configuring the Two Position DIP Switch

Edgeport/2i have a two position DIP switch. This switch connects the signal ground to chassis ground.

**IMPORTANT:** Do not connect signal ground to chassis ground on more than one location in order to prevent ground loops and potentially high currents. See figure 1.

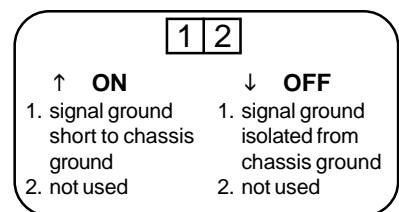


Figure 1: Two Position DIP Switch

### Configuring the Edgeport/2i

The Edgeport/2i, which supports both RS-422 and RS-485, also has two sets of eight position DIP switches, one set for each serial port. Consult the diagrams in figure 2 for RS422 configuration settings.

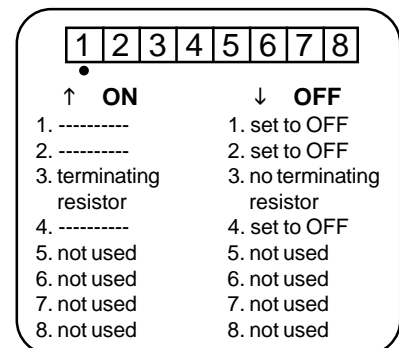


Figure 2: Eight Position DIP Switches