



**TABLE 6–8**

Data selection for a 1-of-4-multiplexer.

| Data-Select Inputs |       | Input Selected |
|--------------------|-------|----------------|
| $S_1$              | $S_0$ |                |
| 0                  | 0     | $D_0$          |
| 0                  | 1     | $D_1$          |
| 1                  | 0     | $D_2$          |
| 1                  | 1     | $D_3$          |

