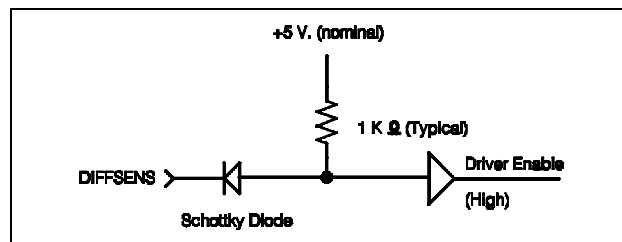


October 10, 1991

To: X3T9.2 Membership  
 From: John Lohmeyer, NCR/AT&T Principal X3T9.2 Member  
 Subject: DIFFSENSE Signal Loading Issue

At the September '91 working group meeting I raised an issue concerning powered-off SCSI devices loading the DIFFSENS signal via ESD diodes that may be in their receiver. The working group agreed that the recommended circuit for this signal could be improved by moving the power-isolating diode from the +5 V. input to the DIFFSENS input.

I agreed to prepare a revised figure for the SCSI-3 Physical Interface document. The revised figure along with a suggested paragraph are included below. (Please note that I am not entirely happy with the quality of this figure and I am working with the software vendor to find a solution. However, that is a separate matter.)



**Figure x-yy: Differential Driver Protection Circuit**

The circuit shown in Figure x-yy is the recommended circuit to use on differential SCSI devices to receive the DIFFSENS signal. Other circuits, performing the same function and providing similar isolation of the DIFFSENS signal when the device is powered off, are permitted.