



*Dual Universal Serial Bus (USB)  
Transient Voltage Suppressor*

*SN75240*

*Texas Instruments, Inc.*



## *Protection From Transients A Must*

- ◆ *Transient protection is coming to the forefront*
- ◆ *High data rates require low capacitance for clean signal integrity*
- ◆ *All ports with access to the outside world need proper protection*



## *Advantages of using the SN75240*

- ◆ *Low capacitance for better signal integrity*
- ◆ *Far more robust than a discrete diode*
- ◆ *Reverse bias current in nanoampere range*
- ◆ *Substantially lower cost for one SN75240 which will protect two USB ports over discrete zener diodes*



# *IEC1000-4-2 Board Level Test*

8 kV was the maximum capability of the tester used for the contact test.



# Application for SN75240

