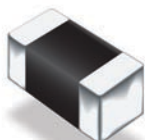


**USB 3.0 - ESD & Overcurrent Protection**

**Solution Products**



MF-NSMF200



CG0402MLU-05

**Objective**

Universal Serial Bus (USB) 3.0 ports provide up to 5 Gbps data transfer rates and 5 V power at up to 900 mA. As a hot-pluggable interface, it typically requires protection against ESD, short circuits and faulty equipment.

**Solution**

1 Multifuse® PTC: MF-NSMF200  
6 ChipGuard® ESD Suppressors: CG0402MLU-05

**Compliance**

USB 3.0  
UL60950  
IEC 61000-4-2 Level 4 (8 kV / 15 kV)

**Alternate Recommendations**

*Other PortNote™ Solutions:*

- USB: USB 2.0 - ESD & Overcurrent Protection

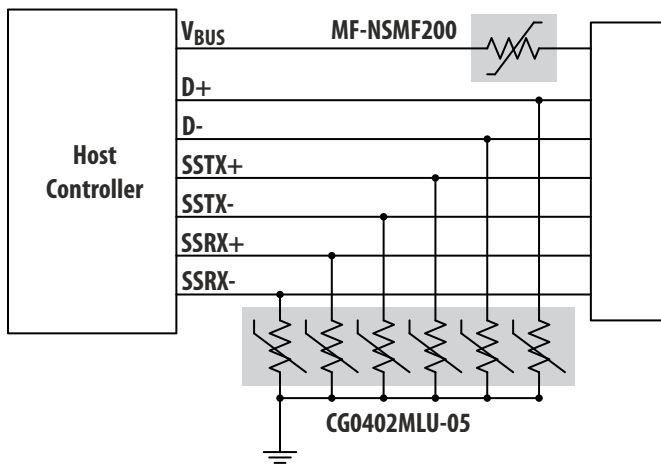
**Benefit**

This solution provides USB 3.0 ports with compatible protection without impairing the transmission of power or data.

**Design Kit**



PN-DESIGNKIT 4



*The schematic above illustrates the application protection and does not constitute the complete circuit design. Customers should verify actual device performance in their specific applications.*