

USB

USB 2.0 - ESD & Overcurrent Protection

Solution Products





ObjectiveComUniversal Serial Bus (USB) 2.0 ports provideUSB 2up to 480 Mbps data transfer rates and 5 VUL60UL60UL60

power at up to 500 mA. As a hot-pluggable interface, it typically requires protection against ESD and short circuits. This solution provides this protection.

Compliance

USB 2.0 UL60950 IEC 61000-4-2 Level 4 (8 kV / 15 kV)

Alternate Recommendations

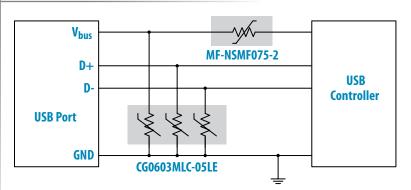
Other PortNote^{*} *Solutions:* • USB: USB 3.0 - ESD & Overcurrent Protection

Solution

1 Multifuse[®] PPTC: MF-NSMF075-2 3 ChipGuard[®] ESD Suppressors: CG0603MLC-05LE

Benefit

This solution provides USB 2.0 ports with compatible protection without impairing the transmission of power or data.



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.



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Asia-Pacific: *Tel* +886-2 256 241 17 *Fax* +886-2 256 241 16 Bourns[®] PortNote[®] solutions provide protection recommendations for typical port threats.

For more information, go to: www.bourns.com or email: protection@bourns.com

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