



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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USB 2.0 - ESD & Overcurrent Protection

Solution Products



MF-NSMF075-2



CG0603MLC-05LE

Objective

Universal Serial Bus (USB) 2.0 ports provide up to 480 Mbps data transfer rates and 5 V 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.

Solution

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

Compliance

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

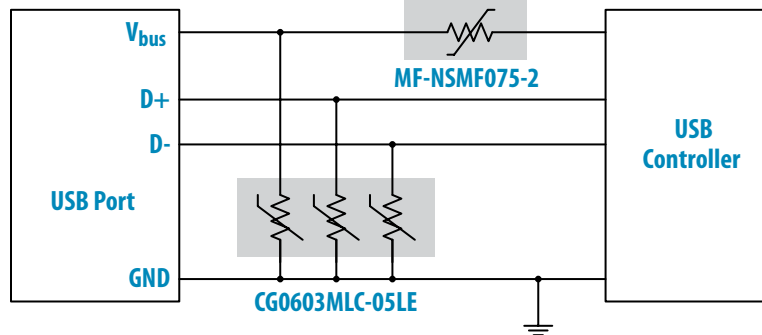
Alternate Recommendations

Other PortNote® Solutions:

- USB: USB 3.0 - ESD & Overcurrent Protection

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.

Design Kit



PN-DESIGNKIT-3