

# Using AC-DC power supply to prevent electrostatic discharge in metropolitan area networks

Following our electrostatic discharge (ESD) protection design guide is a surefire way to ensure ESD protection for your circuits.

By understanding the sources of Electrostatic Discharge and adopting best practices in grounding, shielding, ionization, and proper handling, you can protect your valuable electronics from ...

ESD protection is usually achieved by implementing an ESD protection device in an I/O cell, and placing a power clamp device between different power and ground domains to form an ESD discharge return ...

The following are examples of ESD suppression for power buses and control lines in entertainment electronics. For additional design examples, guidance, and application assistance, please contact ...

Key strategies for the prevention of ESD include working with charged materials in an electrostatic protection area (EPA), humidifying the manufacturing environment, and the use of anti ...

The ESD system SOA (Safe Operating Area) is critical for snap-back ESD protections. The ESD system SOA method ensures a return to normal operation after an ESD event (i.e. avoid latch-up).

This chapter provides the basis of how static electricity arises and can lead to electrostatic discharge (ESD) in the real world. It provides the principles that underlie ESD control techniques and ...

Electrostatic discharge (ESD) poses a risk to many electronic devices and can cause unexpected and catastrophic damage. While many ICs have device level ESD protection, ICs are still at risk of ...

To predict and prevent ESD events, researchers use models that factor in various parameters such as material properties, discharge paths, and environmental conditions.

The purpose of this document is to establish the standards for an Electrostatic Discharge (ESD) control program designed to protect Electrostatic Discharge Sensitive (ESDS) components, sub-assemblies, ...

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