Indzawo Optic Connect

ESD protection module for optocouplers





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UL 1577 The main UL component standard, addressing optocouplers in the United States is UL 1577, which covers the safety specifications that pertain to optocouplers in North America. This document ...



In the case of type 2 devices, SIO2 insulation is particularly prone to ESD damage. In fact, most integrated circuit designers go to great lengths to provide protective structures to limit ESD damage ...



Stand-alone ESD devices from Texas Instruments (TI) provide space-saving designs to protect system ICs from external ESD strikes while maintaining signal integrity. ESD protection is often considered ...



Protection against electromagnetic influence in forms of surges, EFT, or ESD is mandatory as per PLC standards. In this reference design, the terminal pins must be protected because they are exposed to ...



ESD-related failures in TLP250 (F) optocouplers can lead to significant reliability issues in circuits. However, with careful attention to handling procedures, proper PCB design, and environmental ...

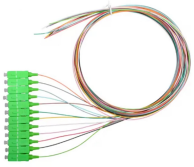
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With the proper TVS selected, designing a PCB Layout that leverages the strategies outlined in this ESD Layout Guide will provide the PCB designer with an avenue towards successfully protecting a system ...



Because digital isolators employ CMOS technology, they can be vulnerable to latch-up or electrostatic discharge (ESD) damage during system-level ESD, surge voltage, fast transient, or other ...



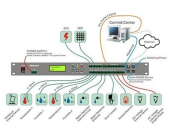
Infineon devices and filters for ESD and EMI protection with superior quality level and best system performance.



Since the diodes are connected in antiparallel, I was wondering if I should protect them from ESD. If an ESD voltage level should occur, each diode should clamp and protect the other.



Yes, the TVS will protect the current-limiting circuit as long as it''s properly rated and placed right at the connector. It mainly clamps voltage spikes and ESD pulses; the series resistor ...



Protection diodes and arrays that are specifically designed to provide ESD and surge protection.

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	Optocouplers also have the only well-defined safety specification that allows them to receive a reinforced rating for safety critical applications. Broadcom optocouplers meet this specification, making them the ...

Contact Us

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