

RJ11 SLIC Protection

GR-1089-CORE Dual Supply Voltage

Solution Products



TISP8200HDMR-S



TISP8201HDMR-S



B1250T

Design Kit



PN-DESIGNKIT 7

Objective

The SLIC telephone interface supplies battery power, provides dialtone, and generates ringing voltage. This solution protects dual supply voltage SLIC interfaces against surge and power contact threats.

Solution

- 1 Thyristor: TISP8200HDMR-S
- 1 Thyristor: TISP8201HDMR-S
- 2 Telecom Fuses: B1250T

Compliance

GR-1089-CORE, Section 4, Port Types 1, 3, 5

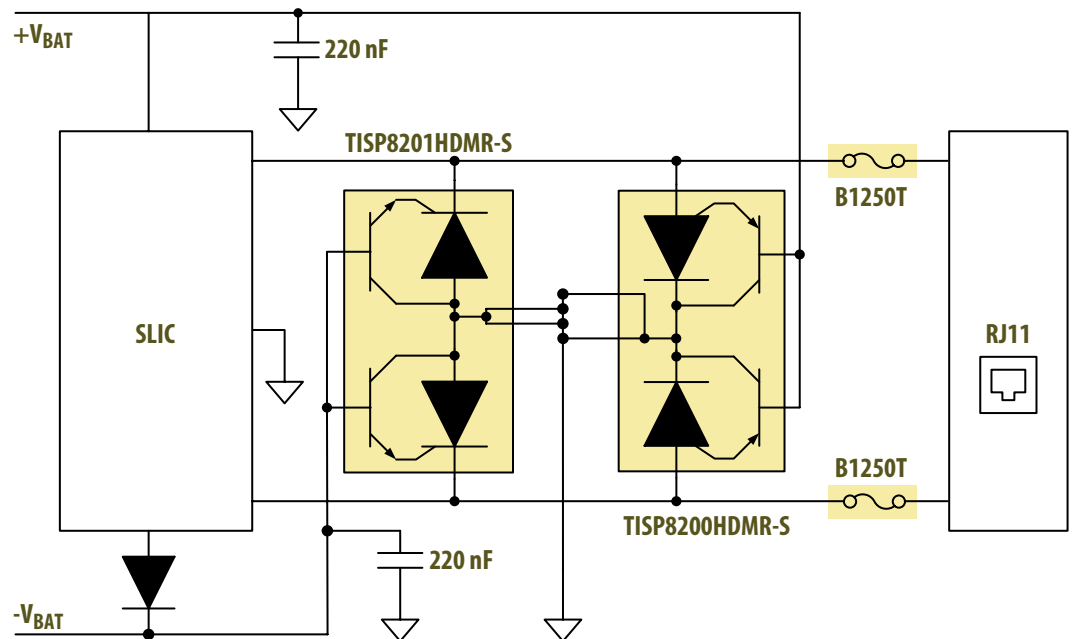
Alternate Recommendations

Other PortNote[®] Solutions:

- RJ11 SLIC Protection: GR-1089-CORE Negative Voltage Tracking
- RJ11 SLIC Protection: ITU-T Negative Voltage Tracking
- RJ11 SLIC Protection: ITU-T Dual Supply Voltage

Benefit

This solution provides a high level of protection in a small amount of PCB area.



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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