

SLIC Protection

4 kV ITU-T Solution

Solution Products



TISP9110MDMR-S



CMF-RL55-10-0

Design Kit



PN-DESIGNKIT-47

Objective

The SLIC (Subscriber Line Interface Circuit) provides all the BORSCHT functions such as battery, ringing and supervision between the codec and telephone handset. This PortNote® solution provides protection recommendations for SLIC interfaces against 4 kV 10/700 μ s surge and power contact threats.

Solution

1 Thyristor: TISP9110MDMR-S
2 CPTC Resettable Fuses: CMF-RL55-10-0

Compliance

ITU-T Basic for K.20, K.21, K.45

- Increased surge withstand to 4 kV 10/700 μ s

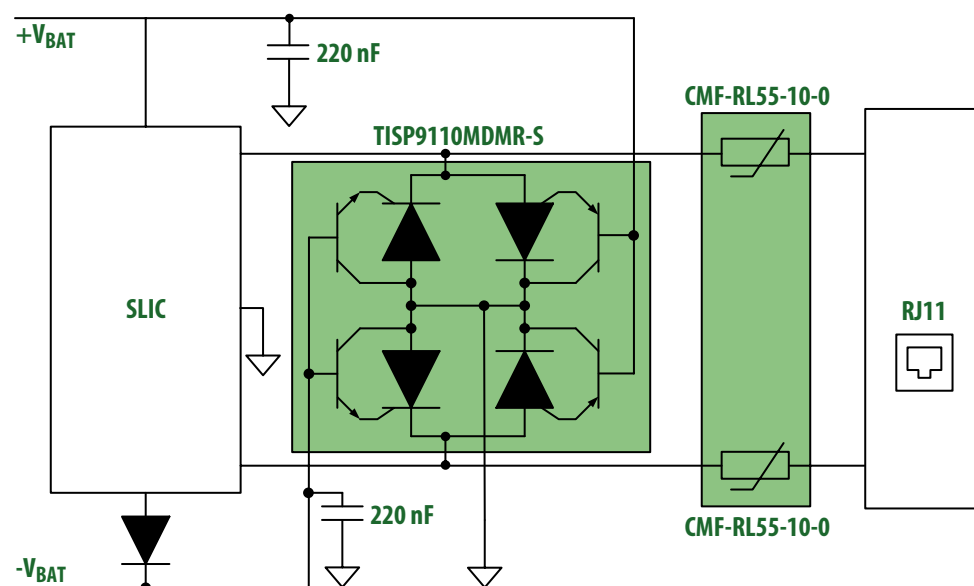
Alternate Recommendations

Other PortNote® Solutions:

- Negative Battery Voltage SLIC Protection - ITU-T Solution
- Negative Battery Voltage SLIC Protection - GR-1089-CORE Intra-building Solution
- SLIC Protection - GR-1089-CORE Intra-building Solution

Benefit

This solution provides a 4 kV 10/700 μ s level of protection in dual voltage ringing SLICs.



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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