

# SLIC Protection

## ITU-T 4kV Solution, Dual Supply Voltage

Bourns® PortNote® solutions provide protection recommendations for typical port threats.

### Solution Products



TISP9110MDMR-S



CMF-RL55-10-0

### 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 µs surge and power contact threats.

### Solution

1 Thyristor: TISP9110MDMR-S

2 CPTC Resettable Fuses: CMF-RL55-10-0

CMF-RL55-10-0

### Compliance

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

- Increased surge withstand level to 10/700 µs, 4 kV without primary protection

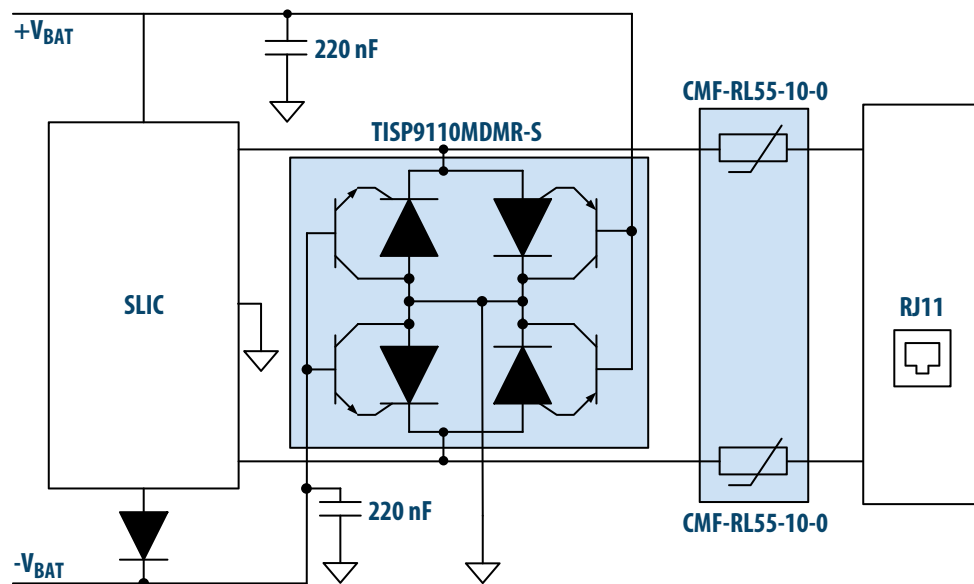
### Alternate Recommendations

Other PortNote® Solutions:

- SLIC Protection: GR-1089-Core Solution, Dual Supply Voltage
- SLIC Protection: ITU-T Basic Solution, Dual Supply Voltage

### Benefit

This solution provide a 4 kV 10/700 µs level of protection in dual voltage ringing SLIC with a smaller PCB space.



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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