

PORTNOTE® SOLUTIONS

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 µs 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 µs

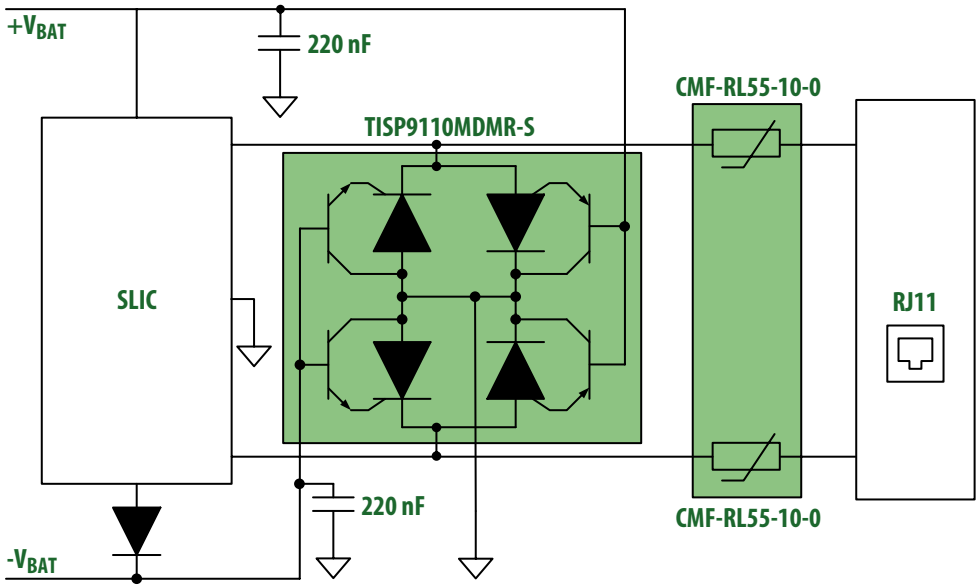
Alternate Recommendations

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 µs 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.

BOURNS®

Americas: *Tel* +1-951 781-5500
Fax +1-951 781-5700

EMEA: *Tel* +36 88 520 390
Fax +36 88 520 211

Asia-Pacific: *Tel* +886-2 256 241 17
Fax +886-2 256 241 16

COPYRIGHT© 2014 • BOURNS, INC. • 6/14 • PSG • 3M/K1438 • "PortNote" is a registered service mark of Bourns, Inc.
"Bourns" is a registered trademark of Bourns, Inc. in the U.S. and other countries.

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

For more information, go to:
www.bourns.com
or email: protection@bourns.com