

PORTNOTE®

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

Solution Products



TBU-PL060-200-WH



Objective

The SLIC (Subscriber Line Interface Circuit) provides all the BORSCHT functions such as battery, ringing, supervision between the codec and telephone hand set. This PortNote® solution protects negative battery voltage solutions against surge and power contact threats.

Solution

1 TBU® High-Speed Protector: TBU-PL060-200-WH 2 MOV Devices: MOV-10D201K

Compliance

GR-1089-CORE intra-building, issue 5, port type 4.

- \bullet 120 V_{rms} , 25 A, 900 seconds with stand.
- \bullet 130 V_{rms} maximum AC withstand.
- Increased surge level to 5 kV, 500 A 2/10 μs.

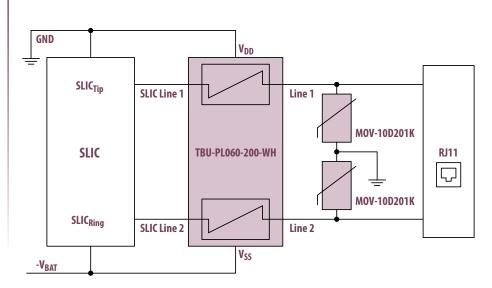
Alternate Recommendations

Other PortNote® Solutions:

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

Benefit

This solution provides a high level of protection in a small 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.

Design Kit



PN-DESIGNKIT-20

BOURNS®

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Asia-Pacific: *Tel* +886-2 256 241 17 Fax +886-2 256 241 16 Bourns* PortNote* solutions provide protection recommendations for typical port threats.

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