

## Bourns Expands Product Line with TISP61089QB Overvoltage Protector

**- Reduces PCB Area and BOM Part Count for SLIC Protection -**

The Bourns® [TISP61089QB](#) device is a new quad forward-conducting buffered p-gate overvoltage protector designed to protect two monolithic SLICs against voltages on the telephone line caused by lightning, a.c. power contact and induction. The Model TISP61089QB limits voltages that exceed the SLIC supply rail voltage, and is specified to allow equipment compliance with ITU-T K.20, K.21 and K.45 and YD/T-950. For low exposure Telcordia GR-1089-CORE intra-building applications where space is at a premium, a TISP61089QB protector can replace 2 x TISP61089B and still meet impulse requirements. The TISP61089QB can be used in combination with low resistance overcurrent protectors such as the Bourns® MF-RX018/250 in order to maximize ring voltages.

### Features

- Quad voltage-programmable protector
- Wide -20 V to -155 V programming range
- Low 5 mA maximum gate triggering current
- High 150 mA minimum holding current
- Meets industry standards
- RoHS\* compliant

### Benefits

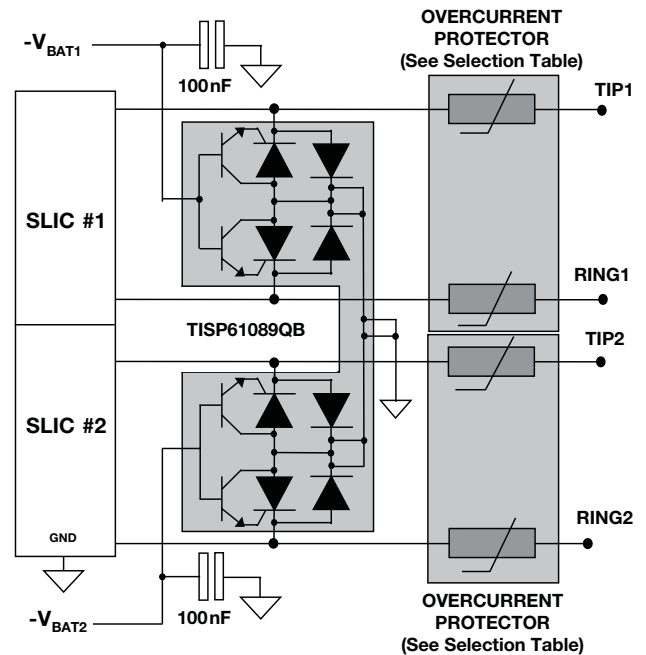
- Smaller PCB area
- Simple layout
- Reduced BOM part count
- Lower logistics and manufacturing costs
- Simple surge rating upgrade to footprint-compatible Model [TISP6NTP2C](#)
- Single board design can address a wider variety of standards by a simple BOM list change

### Applications

- SLIC card protection VoIP in customer premises, access and central office locations
- FXS ports on EPON, GPON or xDSL CPE equipment

For further information, please contact your [local Bourns representative](#) or [Bourns Customer Service](#).

### Application Example



### Overcurrent Protector Selection Table

Standard	Overcurrent Protector Part Number Options		
GR-1089-CORE Intra-building	<a href="#">MF-RX018/250</a>	<a href="#">MF-RX012/250</a>	<a href="#">MF-SM013/250</a>
ITU-T Basic K.20/21/45	<a href="#">CMF-SDP50A</a>	<a href="#">CMF-RL35</a>	<a href="#">MF-SD013/250</a>
YD/T 950	<a href="#">CMF-SDP50</a>	<a href="#">CMF-SDP35A</a>	<a href="#">CMF-RL50</a>