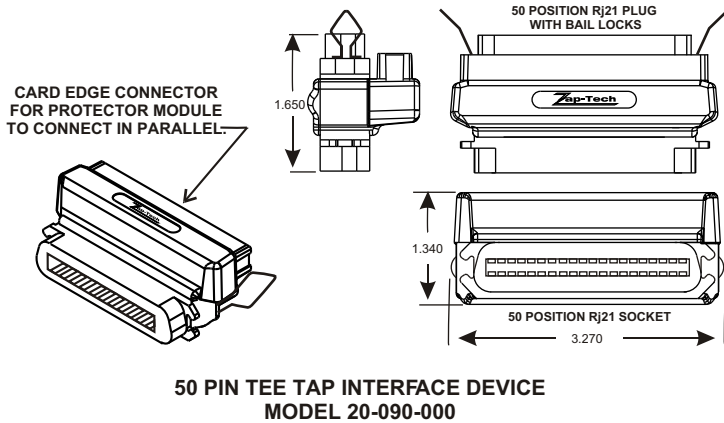
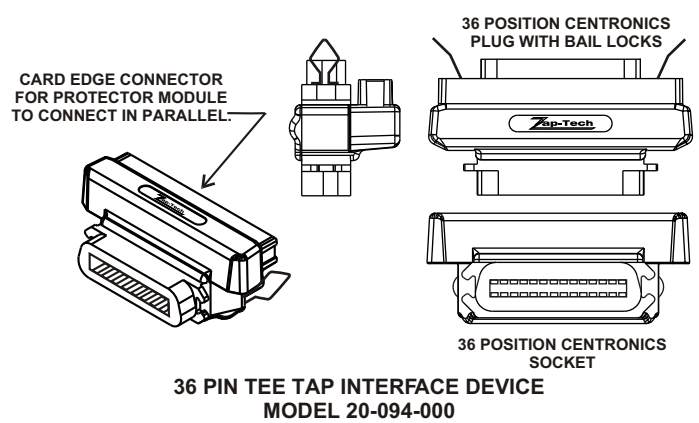


# CT SERIES SURGE PROTECTORS

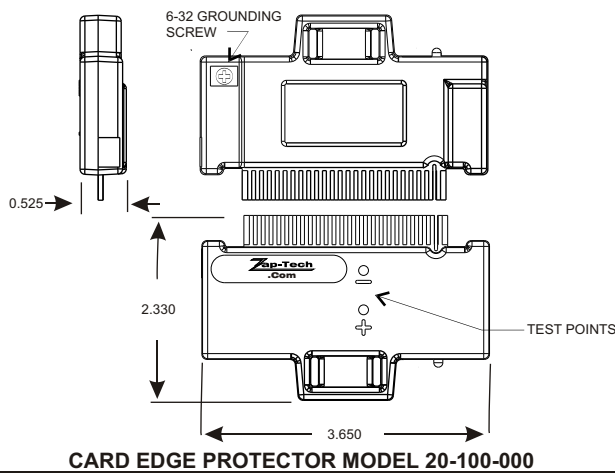
## RJ21, 25 PAIR TELCO CONNECTORS



## CENTRONICS 36 PIN TYPE CONNECTORS

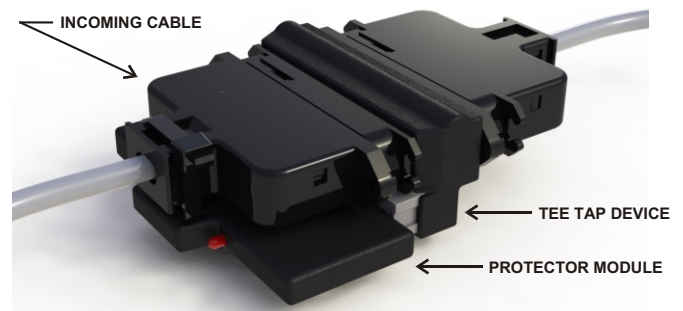


## CARD EDGE PROTECTOR MODULE



## TYPICAL INSTALLATION

Designed to be installed in line between your existing cable and equipment ports. Adds 25 pairs of surge protection.



TEE TAP AND PROTECTOR MODULE INSTALLED IN LINE BETWEEN TWO RJ21 CONNECTORS. CAN ALSO BE INSTALLED DIRECTLY ON TO EQUIPMENT PORT. PROTECTOR MODULE CAN BE REMOVED AND REPLACED WITHOUT DISCONNECTION.

## INFORMATION NEEDED TO ORDER A CT SERIES PROTECTOR

- 1) Connector type; RJ21, 36 pin centronics etc.
- 2) Connector pin out assignment.
- 3) System being protected; RS232, RS422, etc)
- 4) Is there sufficient fusing or overcurrent protection on the existing system being protected? If you do not know, Please specify to add additional built in overcurrent protection for your protector when ordering.
- 5) Contact us at 888-727-1951, or sales@zap-tech.com

*Custom Surge protection is our specialty. Custom versions are available including mixed or special voltages, over current protection, different connectors or wiring options. Contact us for details.*

### ELECTRICAL SPECIFICATIONS

**MAXIMUM REPETITIVE SELF RESET SURGE:**  
3500 V, 1750 A for 100 pulses using 2V source.per: EN61000-4-5 Spec.

**MAXIMUM FAIL SAFE SURGE:**  
6000 Volts 3000 Amps for 100 pulses using 2V source.  
per EN61000-4-5 Specification. Exceeds EN6100-4-5, level 4.

**CLAMPING VOLTAGES:**  
RS422: 7.5 Volts, RS232: 18 Volts, Voltages from 7 to 290V are available.  
Common Mode - (Line to Line) and Differential Mode - (Line to Ground).

**CAPACITANCE:**  
Line/Line: <40pF, Line/Ground: <40pF.

**COMPONENT RESPONSE TIME:**  
Less than 10 Nanoseconds.

**OPERATING ENVIRONMENT (-40C to +85C Max):**  
Max Continuous Current: 125mA, Power Limit: 3 Watts).

### INSTALLATION:

Zap-Tech protectors should be installed in series with the incoming communication line at the port of the equipment being protected. The protector's grounding point must be connected to the chassis ground of the protected equipment.

### IMPORTANT!

It is important that the protector and the chassis of the equipment to be protected are both properly grounded to a properly earthed electrical safety ground via the equipment's 3-prong power cord and/or a ground wire of 14 AWG or larger. Keep wire length to a minimum. Protectors should be installed at both ends of communication lines to ensure equipment protection at each end.

All specifications are subject to change without notice.  
Detailed specifications for specific versions available on request.  
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