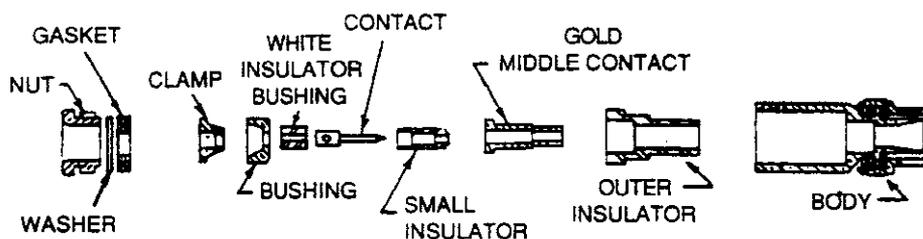


## Model 237-TRX-TBC High Voltage 3-Lug Triax Bulkhead Connector with Cap

The Model 237-TRX-TBC connector is a chassis mount 3-lug female triax connector for applications such as test fixtures. It mates with Keithley accessory cables (Model 7078-TRX-3 and 7078-TRX-10). A cap is provided to keep an unused connector clean.



### NOTE

Keep the connections free of contaminants (such as dirt, oil, etc.) in order to maintain maximum insulation resistance. If the connections become contaminated, clean them thoroughly with methanol and allow to dry completely before use.

### SPECIFICATIONS

Working Voltage:	600V peak center conductor to inner shield; 1300V peak center conductor and inner shield to outer shell.
Max Working Current:	1A peak.
Operating Environment:	0°C to 50°C, up to 70% RH at $\leq 35^\circ\text{C}$ .
Contact Resistance:	$<0.5\Omega$ .
Insulation Resistance:	$10^{15}\Omega$ , center conductor to inner shield (500V test voltage, 23°C @ $<40\%$ RH).

### SAFETY WARNINGS

This connector should only be used by qualified personnel who recognize shock hazards and are familiar with the safety precautions required to avoid possible injury.

The outer shell of the triaxial connector is for protection from voltages on the center and inner shield conductors. Make sure the outer shell is always connected to earth ground or a properly grounded chassis.

Never touch or change the connections when power is applied to the connector. Always turn off test system power and discharge all capacitors before connecting or disconnecting the connector.

To prevent voltages from being exposed or connections from shorting together, make sure both ends of the connector are properly connected before applying voltage.

1. Slide nut, washer and gasket over the jacket.
2. Strip jacket back .30".
3. Comb out braid.
4. Taper braid. Slide clamp over tapered braid. Make sure inner shoulder of clamp is positioned tightly against end of jacket.
5. Trim braid so that 1/8" protrudes beyond the clamp.
6. Flare braid back over clamp. Trim if necessary.
7. Place bushing in position. Push firmly against flared braid.
8. Trim dielectric so that 3/32" protrudes past the bushing and the center conductor protrudes 3/32" past the dielectric. Do not nick center conductor. Place white insulator bushing in position over cable dielectric.
9. Solder gold contact onto center conductor. Remove excess solder. **Do not** overheat dielectric as it will distort and not enter the body insulator properly. Place small insulator, middle contact, and outer insulator in position.
10. Insert completed cable hardware assembly into the body. Tighten nut with wrench.