

Triaxial Connectors and Cable Assemblies

TRT & TRB Series, MIL-C-49142



Product Description

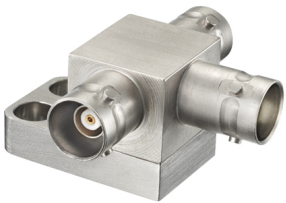
Kings-Win™ TRT & TRB connectors series provide greater bandwidth and less interference than regular coaxial connectors. Our triax connectors have high reliability in harsh environments and are perfect for commercial and military aircraft, missile systems, broadcast systems and medical systems.

Available in two different versions, Winchester's TRB series, which is similar to a BNC interface, is available in 2, 3, or 4 stud bayonet coupling. The TRT series contains a threaded coupling and has a TNC-like interface.

Custom triaxial connector designs are available for both interfaces. Unique requirements including mounting configurations, coupling styles and frequency ranges can be accommodated.

Key Features

- Meets MIL-C-49142 requirements
- Typical Frequency: DC- 500MHz
- Integrated cable assemblies available
- Compatible with twin axial and triaxial cables
- Commercial configurations available



TRB series adaptor

- TRB series features a miniature size with bayonet coupling
- In-series, between series, straight, right angle and bulkhead adapters available



TRT featuring threaded coupling

- Can be used with twin axial and triaxial cables
- Meets all MIL-C-49142 requirements
- Weatherproof taper grip construction, utilizing metal to metal cable clamping



Hermetic flange featuring triax connector

- Custom design options available based on unique system requirements
- RoHS and REACH compliant

Specifications

<p>Electrical</p> <p>Impedance 50 - 75 Ohms</p> <p>Frequency Range DC - 500 MHz</p> <p>Voltage 400 Volts RMS</p> <p>Insulation Res. 5000 Mega Ohms</p>	<p>Mechanical</p> <p>Life 500 Cycles</p> <p>Cable Retention 40 Pounds Min.</p> <p>Vibration MIL-STD-1344, Method 2005.1, Condition III</p>	<p>Material</p> <p>Body Brass Alloy</p> <p>Center Contact Beryllium Copper/ Brass Alloy</p> <p>Insulator PTFE</p> <p>Gaskets/Seals Silicone Rubber</p>	<p>Environmental</p> <p>Temperature -65° C to +165° C</p> <p>Shock MIL-STD-1344, Method 2005.1, Condition III</p> <p>Corrosion MIL-STD-202, Method 101, Condition B</p> <p>Gaskets/Seals Silicone Rubber</p>
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Part Numbers

Part Number	Mil Number	Description	Type
Custom PN		Custom configuration available upon request	
1995-12-5	M49142/03-0004	Straight Plug, 3 Stud	TRB
1995-11-5	M49142/03-0007	Straight Plug, 3 Stud	TRB
1995-14-5	M49142/03-0008	Straight Plug, 3 Stud	TRB
1995-20-5	M49142/03-0011	Straight Plug	TRB
2725-10-5	M49142/03-0107	Straight Plug	TRB
2725-8-5	M49142/03-0110	Straight Plug	TRB
2725-9-5	M49142/03-0111	Straight Plug	TRB
3095-7-5	M49142/03-0207	Straight Plug	TRB
3095-8-5	M49142/03-0208	Straight Plug	TRB
3095-5-5	M49142/03-0210	Straight Plug	TRB
3095-6-5	M49142/03-0211	Straight Plug	TRB
1994-3-5	M49142/04-0004	Receptacle, Bulkhd, Rear Mt, 3 Stud	TRB
1994-4-5	M49142/04-0005	Receptacle, Bulkhd, Rear Mt, Hermetic, 3 Stud	TRB
1992-9-5	M49142/05-0004	Jack, Bulkhd, 3 Stud	TRB
1996-5-5	M49142/07-0006	Right-Angle Plug	TRB
2726-7-5	M49142/07-0106	Right-Angle Plug	TRB
3096-6-5	M49142/07-0206	Right-Angle Plug	TRB
1945-7-5	M49142/08-0006	Straight Plug	TRT
1945-25-5	M49142/08-0011	Straight Plug	TRT
1944-3-5	M49142/10-0001	Receptacle, Bulkhd, Rear Mt	TRT
1945-25-5	M49142/10-0002	Straight Jack	TRT