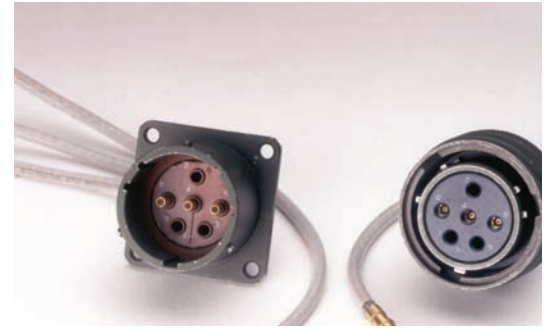




Ground Plane Connectors

Multipin Circular Grounded Connectors

Sabritec's grounded circular connector series are designed to ground the outer shield of a triax or coaxial contact directly to the shell of the connector. An innovative designed multi-finger contact spring mechanism fixed within each metalized grounded connector cavity serves a dual purpose. It acts as a mechanically sound and well proven contact retention clip mechanism as well as a multi-finger contact engagement point for superior EMI shielding resulting in extremely low contact resistance values when measured from the coax or triax contact outer body to the connector flange. Contact resistance is 5 milli-ohms maximum. All ground plane connectors meet or exceed all applicable requirements of standard QPL Mil-Spec circular connectors.



Features:

- Grounded multi-finger contact spring mechanism within each connector cavity
- Contact resistance: 5 milli-ohms max
- Intermateable and interchangeable with standard non-filtered connectors
- Superior EMI shielding
- Suitable for MIL-STD-1760 applications

Connector Types

- MIL-DTL-38999 SERIES I
- MS27505 Square Flange Receptacle
- MIL-DTL-38999 SERIES II
- MS27499 Square Flange Receptacle
- MIL-DTL-38999 SERIES III
- D38999/20 Box Mount Receptacle
- MIL-DTL-38999 SERIES IV
- D38999/40 Box Mount Receptacle
- MIL-C-26482 SERIES II
- MS3470 Square Flange Receptacle

Material and Finishes	
Contacts	Brass per ASTM B16, gold plated per ASTM-B488, Type III, Class 1.25
Inserts	Aluminum Alloy, silver plated per ASTM B700
Shells	Aluminum alloy, consult factory for plating options
Grounded EMI Fingers	Beryllium Copper per ASTM-B196, Alloy UNS C17200/C17300 gold plated per ASTM-B488, Type III, Class 1.25

Insert Arrangements

