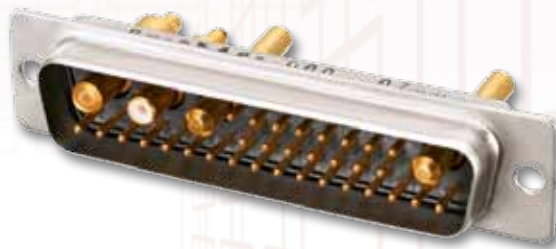


Winchester Electronics Presents...

Non-Magnetic Combo D-Subminiature

The Winchester Electronics Non-Magnetic Combination D-Subminiature connectors combine signal, power, and RF coaxial contacts within a variety of industry standard shell sizes and connector insert configurations. The ability to mix and match standard component parts to create unique, custom connector solutions makes Winchester's Non-Magnetic Combination D-Sub connectors well suited for medical, communication, computer, and test and measurement equipment applications.



The Non-Magnetic Combo D-Sub connector has been developed specifically for placement in or near the imaging area in advanced medical imaging equipment

Product Benefits Include:

- All contact components and hardware are fabricated using non-magnetic materials
- Power contacts available in 10-, 20-, and 40-Amp versions
- A wide assortment of standard and custom mounting hardware and accessories is available
- RF coaxial contacts available in 50 and 75 Ohm with a frequency rating DC to 5 GHz

Specifications

Electrical

INSULATORS:

Resistance Per Mated Contacts: 5,000 M Ω
Dielectric Strength: 50 kV/mm
Volume Sensitivity: 10 Ω /cm

SIGNAL CONTACTS:

Maximum Current Rating: 5 Amps
Operating Voltage: 250 Volts
Resistance Per Mated Contact Pair: \leq 2.7 Milliohms / Amp
Test Voltage Between Shell and Contact:
1,000 V / 60 Hz / 1 min.
Test Voltage Between Two Contacts:
1,000 V / 60 Hz / 1 min.

Magnetic

RESIDUAL MAGNETISM: \leq 30 gamma (nT)

Mechanical

MATERIALS:

Shells: Copper Alloy
Contacts: Copper Alloy
Insulator: Glass Filled Polyester UL94V-0

FINISHES:

Contacts: .000030 MIN Gold Per ASTM B488
Type II, Grade C, over .000100
MIN. Copper Per ASTM B734
Shells: .000080 MIN. Tri-Metal Plate
over .000100 Copper MIN.
Per ASTM B734

MATING CHARACTERISTICS:

Contact Insertion (Mating) Force: 18 OZF MAX
Contact Withdrawal Force: 5 OZF MIN

DURABILITY: 500 Matings MIN

Environmental

TEMPERATURE RATING: -55°C to +155°C

All Winchester Combination D-Subminiature connectors are supplied with solder signal contacts pre-seated into the connector insert. Industry standard Size 8 power and RF coaxial contacts are offered in a variety of cable and PCB configurations including solder, crimp, and press-fit termination styles. Winchester's 31-Series RF contacts are capable of operating up to 5 GHz and include a blindmate contact interface design which mates with competing blindmate RF contacts. All Power and Coax contacts for Winchester's Non-Magnetic D-Sub housings meet the same rigid standards. *Please contact Winchester customer service for details - 203-741-5400.*

Continuing advances in medical imaging equipment have created the need for connectors that can be placed in or near the imaging area. Winchester's line of Non-Magnetic Combination D-Subminiature connectors has been developed specifically to meet that need.

Connecting Innovation to Application[®]