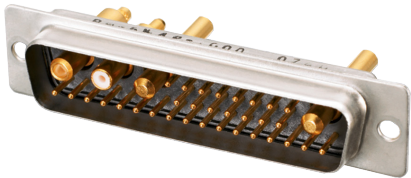


Non-Magnetic Combo D-Subminiature



Winchester products, like Non-Magnetic Combo D-Subminiature connectors, are now sold under the Win™ brand from Winchester Interconnect™.

Product Description

Winchester Interconnect's Non-Magnetic Combination D-Sub 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 edge-mount design utilizes a straight SMT contact for the RF signal that yields optimal performance versus a right-angle through-hole PCB connector.

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

- 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

<p>Electrical <i>Insulators</i> Resistance per Mated Contacts 5,000 MΩ Dielectric Strength 50 kV/mm Volume Sensitivity 10Ω/cm <i>Signal Contacts</i> Maximum Current Rating 5 Amps Operating Voltage 250 Volts</p>	<p>Resistance per Mated Contact Pair ≤ 2.7 Milliohms/Amp Test Voltage Between Shell and Contact 1,000V / 60Hz / 1 min. Test Voltage Between Two Contacts 1,000V / 60Hz / 1 min. Mechanical Contact Insertion Force 18 OZF Max</p>	<p>Contact Withdrawal Force 5 OZF Min Durability 500 Cycles Min Material Shells Copper Alloy Contacts Copper Alloy Insulator Glass Filled Polyester UL94V-0</p>	<p>Contact Finishes .000030 Min Gold per ASTM B488, Type II, Grade C, over .000100 Min Copper per ASTM B734 Shell Finishes .000080 Min Tri-Metal Plate over .000100 Copper Min per ASTM B734 Environmental Temperature Range -55° to +155° Celsius Magnetic Residual Magnetism ≤ 30 gamma (nT)</p>
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All Winchester Interconnect's 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.