



# D-SUB CONNECTOR SPECIFICATIONS

CENTURY INTERCONNECT PRODUCTS

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## **SPECIFICATIONS**

 **UL FILE NUMBER: E164331**

Century D-Subminiature connectors meet EIA, RS232C and RS449 standards for data communication input / output connectors.

### **MILITARY AND FEDERAL SPECIFICATIONS:**

<b>Zinc Plating:</b>	ASTM-B633	<b>Brass:</b>	MIL-C-50
<b>Phosphor Bronze:</b>	QQ-B750	<b>Copper:</b>	MIL-C-576
<b>Nickel Plating:</b>	QQ-N-290	<b>Gold Plating:</b>	MIL-G-45204
<b>Steel Plating:</b>	QQ-S-698	<b>Tin Plating:</b>	MIL-T-10727

### **ELECTRICAL:**

<b>Contact Current Rating:</b>	Precision formed contacts: 5 Amps Precision machined contacts: 7.6 Amps
<b>Contact Resistance:</b>	30 milliohms maximum
<b>Dielectric Withstanding Voltage:</b>	500V AC minimum
<b>Insulation Resistance:</b>	1000 megohms minimum
<b>Operating Temperature:</b>	-55 degrees C to +105 degrees C

### **MECHANICAL:**

<b>Shell Material:</b>	Steel with tin plating, grounding indents on plug only
<b>Insulator Material:</b>	PBT thermoplastic, black color, 30% glass filled self-extinguishing, UL94V-0
<b>Contact Material:</b>	Plug: brass Receptacle: phosphor bronze
<b>Contact Finish:</b>	Gold plating over 100 $\mu$ " nickel
<b>Contact Retention Force:</b>	10 lbs.
<b>Contact Engagement Force:</b>	9 oz. maximum
<b>Contact Separation Force:</b>	4 oz. minimum
<b>Grounding Bracket:</b>	Zinc alloy, zinc plated
<b>Riveted Insert:</b>	Brass, nickel plated
<b>Jackscrews:</b>	Brass, nickel plated