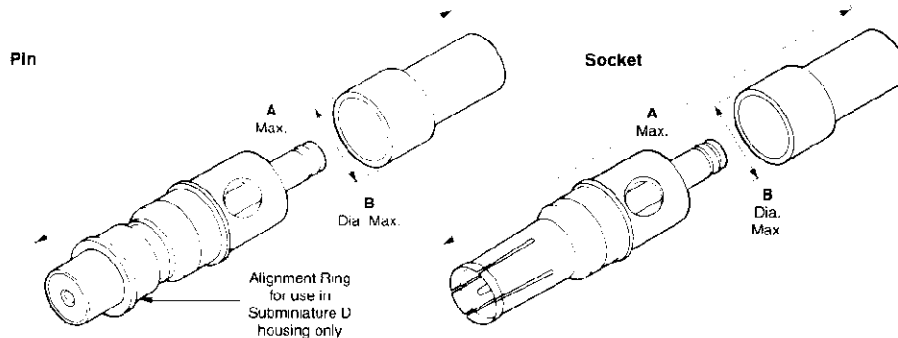


Size 8 Contacts**Performance Characteristics****Frequency Range**—C to 500 MHz**Operating Voltage, Max.**—
275 vac rms @ sea level**Termination Resistance, Max.**
Center Contact—6.0 milliohms
Outer Contact—3.0 milliohms**Insulation Resistance, Min.**—
5,000 megohms @ 500 vdc**Dielectric Withstanding Voltage**—
Sea Level—800 Volts rms
30,000 ft [9,144 m]—525 volts rms
70,000 ft [21,336 m]—275 volts rms**VSWR to 500MHz, Max.**

Pin/Socket	VSWR
Straight/Straight	1.30
Right-Angle/Straight	1.35
Right-Angle/Right-Angle	1.40

RF Crosstalk—90dB @ 5-500 MHz**Mating Force, Max.**—4.0 lb
[17.8 N]**Unmating Force, Min.**—2.0 oz
[0.556 N]**Contact Retention**—20 lb [89 N]**Contact Durability**—500 cycles

Cable RG/U	Force	
	lb	[N]
316, 188, 174, 1/3, 1/9A, 1/9B	20	89
188-type Double-Braid	35	155.8
142, 142A, 142B	50	222.5

Operating Temperature—
55°C to +125°C**Thermal Shock**—55°C to +25°C per
MIL-STD-1344, Method 1003, Cond. A**Physical Shock**—53 G's per MIL-
STD-1344, Method 2004, Cond. A**Vibration**—MIL-STD-1344, Method
2305, Cond. II**Moisture Resistance**—240 hours
per MIL-STD-1344, Method 1002,
Cond. II**Salt Fog**—48 hours per MIL-STD-
1344, Method 1001 Cond. B**Extraction Tool Numbers****Subminiature D Housings**—
58095-1 (AMPLIMITE)**AMP-HDI Housings**—58095-2**Related Catalogs**Subminiature D Housings 82069
AMP-HDI 82618**Material****Brass**—per QQ-B-626 and MIL-C-50**Phosphor Bronze**—per QQ-B-750**Beryllium Copper**—per QQ-C-530**TEFLON**—per MIL-P-19468**Nylon**—per MIL-M-20693**Finish****Bright Tin-Lead Plating**—per
ASTM-B-571**Copper Plating**—per MIL-C-14550**Gold Plating**—per MIL-G-45204**Nickel Plating**—per QQ-N-290**Straight Contacts**

RG/Cable	Shell Type	Dimensions		Die Insert*	50 ohm		Non-Impedance Matched	
		A	B		Pin	Socket	Pin	Socket
178, 178A 178B, 196, 196A	Brass	24.13 .950	5.94 .234	59993-1	—	—	228616-5	228596-5
174, 316, 188, 188A	Brass	24.28 .956	5.94 .234	59993-1	221980-1	221981-1	228618-1	228596-1
	Diecast	24.28 .956	5.94 .234	59993-1	415367-1	415366-1	415369-1	415368-1
179, 179A, 179B, 187, 187A, 161, Belden 9221	Brass	24.28 .956	5.94 .234	59993-1	221980-3	221981-3	228618-2	228596-2
	Diecast	24.28 .956	5.94 .234	59993-1	—	—	415369-3	415368-3
174, 316, 188, Double Braid	Brass	24.28 .956	5.94 .234	59993-1	—	—	228618-3	228596-3
	Diecast	24.28 .956	5.94 .234	59993-1	415367-2	415366-2	415369-2	415368-2
142, 142A, 142B, 400, Belden 9246	Brass	27.43 1.08	6.48 .255	58212-1	221980-2	221981-2	228618-4	228596-4

*For hand tool 69710-1 or pneumatic tool 69365-8.

Note: Non-Impedance Matched and 50 Ohm are not interchangeable.