

Size 8 Contacts

Performance Characteristics

Frequency Range — 0 to 500 MHz

Operating Voltage, Max. —

2/5 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 [21,336m] — 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, 179, 79A, 179B	20	39
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 +125°C per MIL-STD-1344, Method 1003, Cond. A

Physical Shock — 50 G's per MIL-STD-1344, Method 2004, Cond. A

Vibration — MIL-STD-1344, Method 2005, 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 82018

Technical Documents

See page 182

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-19463

Nylon — per MIL-M-20693

Finish

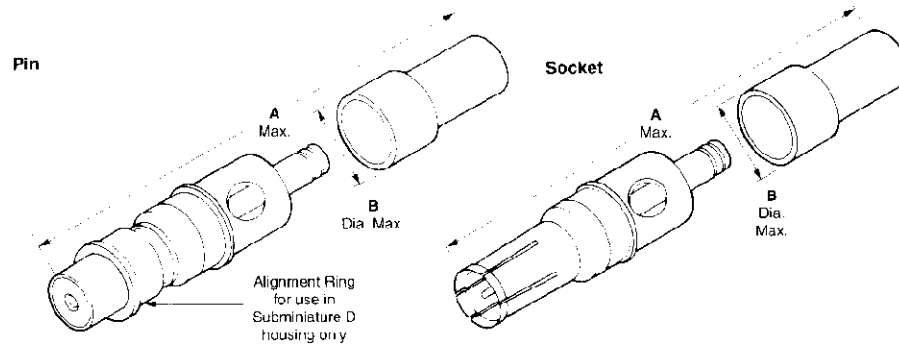
Bright Tin-Lead Plating — per ASTM-B-571

Copper Plating — per MIL-C-14550

Gold Plating — per MIL-G-45204

Nickel Plating — per QQ-N-290

Straight Contacts



Coaxial Contacts
(COAXICON)

Cable Range Selection Code ¹	RG/Cable	Shell Type	Dimensions		50 ohm		Non-Impedance Match		Dia Insert*
			A	B	Pin	Socket	Pin	Socket	
A	178, 178A, 178B, 196, 196A	Brass	0.950 24.13	0.235 5.94	228618-5	228596-5	—	—	59993-1
		Diecast	—	—	—	—	—	—	—
B	174, 316, 188, 188A	Brass	0.956 24.28	0.234 5.94	228618-1	228596-1	221980-1	221981-1	59993-1
		Diecast	0.956 24.28	0.234 5.94	415367-1	415366-1	415369-1	415368-1	59993-1
B1	179, 179A, 179B, 187, 187A, 161, Belden 9221	Brass	0.956 24.28	0.234 5.94	228618-2	228596-2	221980-3	221981-3	59993-1
		Diecast	0.956 24.28	0.234 5.94	—	—	415369-3	415368-3	59993-1
B3	174, 316, 188, Double Braid	Brass	0.956 24.28	0.234 5.94	228618-3	228596-3	—	—	59993-1
		Diecast	0.956 24.28	0.234 5.94	415367-2	415366-2	415369-2	415368-2	59993-1
E1	142, 142A, 142B, 400, Belden 9246	Brass	1.080 27.43	0.255 6.48	228618-4	228596-4	221980-2	221981-2	58212-1
		Diecast	—	—	—	—	—	—	—

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

*Refer to pages 14 and 15 for code specifications.

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