COAXICON Contacts (Continued)

Size 3 Contacts
(For use in ARINC 404 Connectors)

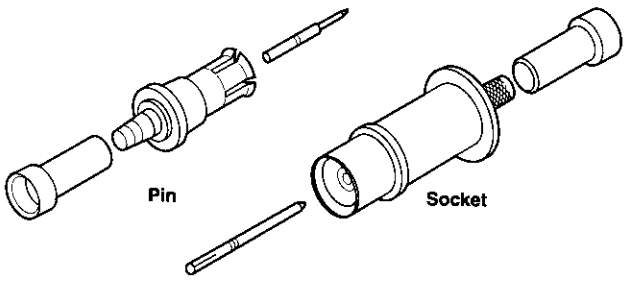
Performance Characteristics

Nominal Impedance—50 ohms
Frequency Range—0 to 5 Ghz
Operating Temperature—
-85°F to 329°F [-65°C to +165°C]
Operating Voltage (Rated)—
500 V rms, 60 Hz at Sea Level
Contact Resistance (Milliohms)—
Center Contact—2.1 max.
Outer Contact—0.2 max.
Insulation Resistance—
5,000 megohms min. @ 500 vdc per MIL-STD-1344, Method 3003 or MIL-STD-202, Method 302, Cond. B
Dielectric Withstanding Voltage (60 Hz, rms)—
1500 V rms at Sea Level
VSWR—1.3 to 1.0 at 5 GHz

Material and Finish

Contact—Beryllium Copper per ASTM-B-196/ASTM-B-197, Brass per ASTM-B-16, TEFLON per ASTM-D-1710, Silicon Rubber per ZZ-R-765, Gold plate per MIL-G-45204, Nickel plate per QQ-N-290, Tin plate per MIL-L-46064A
Ferrule—Copper per ASTM-B-188, Tin plate per ASTM-B-545

Size 3 (Captivated)



Contact Size	RG/U Cable	Contact Part No.		"O" Crimp Tooling		
				Center Contact		
		Pin	Socket	Tool (M22520/)	Positioner/ Die	Ferrule
3	58C	226053-1	225792-3	601966-1 (2-01)	2-601966-4[1] 1-601966-8[2]	91905-1*
	225	—	225792-5	220015-1	—	220015-1
	214	—	225792-1	220015-1	—	220015-1
3 (Right-Angle)	142, 142A, 142B	228011-1	—	601966-1 (2-01)	1-601966-8	91905-1*

[1]Use with pin contact
[2]Use with socket contact
* SDE die used with tool frame 354940-1

Size 5, 9 and 15 Contacts
(For use in ARINC 404 Connectors)

Performance Characteristics for size 5, 9 and 15 contacts

Nominal Impedance—50 ohms
Frequency Range—0 to 500 MHz
Operating Temperature—
-85°F to 329°F [-65°C to +165°C]
Operating Voltage (Rated)—
325 VAC rms, 60 Hz
Contact Resistance (Milliohms)—
Sizes 5 and 9 with RG 58/U cable:
Center Contact—10
Outer Contact—1.5
Size 15 with RG 316/U cable:
Center Contact—15
Outer Contact—2
Insulation Resistance—
5,000 megohms min. @ 500 vdc per MIL-STD-1344, Method 3003 or MIL-STD-202, Method 302, Cond. B
Dielectric Withstanding Voltage (60 Hz, rms)—
Sizes 5 and 9 with RG 58/U and 316/U cable:
750 - Sea Level
350 - 50,000 ft [15 240 m]
Size 15 with RG 316/U, 178/U and 196/U cable:
325 - Sea Level
150 - 50,000 ft [15 240 m]
VSWR—1.3 to 1.0 @ 500 MHz
Insertion/Withdrawal Force—
Sizes 5 and 9:

Insertion Force Maximum		Withdrawal Force Minimum	
lb	[N]	lb	[N]
5	22.24	1	4.45

Size 15:

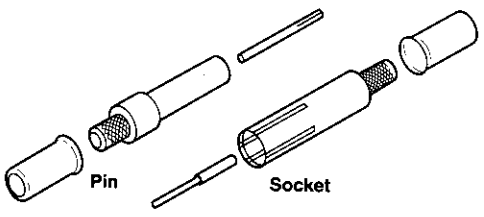
Insertion Force Maximum		Withdrawal Force Minimum	
oz	[N]	oz	[N]
35	6.95	5	1.39

Cable Retention—
Sizes 5 and 9:
60 lb [266.9 N]
Size 15:
10 lb [44.5 N]
Durability—500 cycles
Thermal Shock—per MIL-STD-1344, Method 1003, Cond. A or MIL-STD-202, Method 107, Cond. A
Physical Shock—per MIL-STD-1344, Method 2004, Cond. A or MIL-STD-202, Method 213, Cond. A
Vibration—per MIL-STD-1344, Method 2005, Cond. IV or MIL-STD-202, Method 204, Cond. D
Moisture Resistance—per MIL-STD-202, Method 106, omit steps 7a and 7b
Salt Spray—48 hours per MIL-STD-1344, Method 1001, Cond. B or MIL-STD-202, Method 101, Cond. B

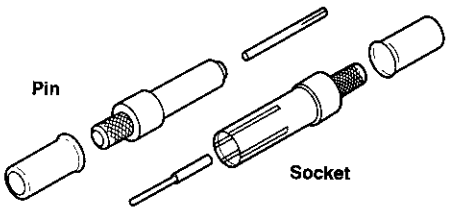
Material and Finish

Contact—Beryllium copper per ASTM-B-196/ASTM-B-197, Brass per ASTM-B-16, TEFLON per ASTM-D-1710, Gold plate per MIL-G-45204, Nickel plate per QQ-N-290
Ferrule—Copper per ASTM-B-188, tin plate per ASTM-B-545

Size 5



Size 9



Size 15