



- Triaxial version of the popular BNC style connector.
- Miniature size with bayonet coupling.
- 3 Stud design meets MIL-STD-49142.
- Commercial versions also available with 2, 3, or 4 Stud coupling.
- Frequency Range: Up to 500 MHz

**SPECIFICATIONS**

**MATERIAL**

Body:	Brass
Crimp Sleeves:	Commercial Bronze Alloy
Center Contacts:	Brass (Male) Beryllium Copper (Female)
Intermediate Contacts:	Beryllium Copper (Male) Beryllium Copper (Female)
Insulators:	Teflon <sup>®</sup>
Gaskets & Seals:	Silicone Rubber

**FINISHES**

Body:	Silver or Nickel
Center Contacts:	Gold
Intermediate Contacts:	Silver or Gold

**MECHANICAL**

Life:	500 Cycles
Cable Retention:	40 Pounds Minimum

**ELECTRICAL**

Impedance:	Non-Constant
Frequency Range:	DC to 500 MHz
Voltage Rating:	400 Volts RMS
Insulation Resistance:	5000 Megohms
Contact Resistance:	
Center Contact:	2.0 Milliohms
Intermediate & Outer Contacts:	.5 Milliohms

**ENVIRONMENTAL**

Temperature Range:	-65° C to +165° C
Vibration:	MIL-STD-1344, Method 2005.1, Condition III
Shock:	MIL-STD-1344, Method 2004.1, Condition E
Corrosion:	MIL-STD-202, Method 101, Condition B
Moisture Resistance:	MIL-STD-1344, Method 1002

**INTERFACE DIMENSIONS**

Per MIL-C-49142 or MIL-STD-348 as applicable

**TRB PLUG**

Ltr	Inches		Millimeters	
	Min.	Max.	Min.	Max.
A	.123	—	3.12	—
C	Gauge Test			
E	Gauge Test			
D	.385	.390	9.78	9.91
F	.213	.242	5.41	6.15
G	.001	—	0.03	—
H	.007	.033	0.18	0.84
J	.008	.042	0.20	1.07
R	.213	—	5.41	—

**TRB JACK**

Ltr	Inches		Millimeters	
	Min.	Max.	Min.	Max.
A	.414	—	10.52	—
AA	.206	.213	5.23	5.41
B	.204	.208	5.18	5.28
C	.075	.081	1.90	2.06
D	.015	.030	0.38	0.76
F	.117	.122	2.97	3.10
G	.169	.171	4.29	4.34
H	.178	.182	4.52	4.62
J	.195	.199	4.95	5.05
K	.319	.321	8.10	8.15
L	.327	.333	8.31	8.46
M	.346	.356	8.79	9.04
N	.378	.382	9.60	9.70
S	.001	—	0.03	—
T	.327	.335	8.31	8.51
W	.187	.213	4.75	5.41
Y	—	.213	—	5.41
Z	.165	.203	4.19	5.16

## PLUGS

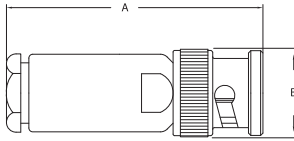


FIGURE 1

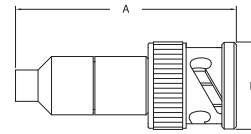


FIGURE 2

## ANGLE PLUG

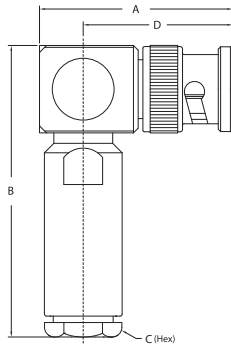


FIGURE 3

## ADAPTER

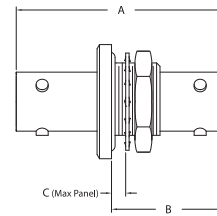


FIGURE 4

## ACCESSORIES

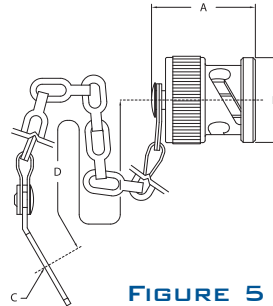


FIGURE 5

Item Number	Military PN	Product Description	Gender	Finish	Dimensions				Cable Group	Cable Procedure	Crimp Die	Mounting Hole	Figure #
					A	B	C	D					
1965-28-5		Plug, Conventional, 2 Stud	M	Silver	1.650	0.560			28	3-392			1
1995-12-5	M49142/03-0004	Plug, Conventional, 3 Stud	M	Silver	1.650	0.560			29	3-392			1
1965-2		Plug, Conventional, 2 Stud	M	Silver	1.460	0.560			46	CP-1301A			1
1965-12-9		Plug, Conventional, 2 Stud	M	Nickel	1.500	0.560			47	CP-1301			1
1995-11-5	M49142/03-0007	Plug, Conventional, 3 Stud	M	Silver	1.710	0.560			P	3-446			1
1965-5-9		Plug, Conventional, 2 Stud	M	Nickel	1.500	0.560			V	CP-1301			1
1995-3-9		Plug, Conventional, 3 Stud	M	Nickel	1.500	0.560			V	CP-1303			1
1995-14-5	M49142/03-0008	Plug, Conventional, 3 Stud	M	Silver	1.520	0.560			W	3-395			1
1995-26-102		Plug, Crimp, 3 Stud	M	Silver	2.000	0.590			W	3-400	KTH-2175		2
1966-6-5		Plug, Conventional, Rt Angle, 2 Stud	M	Silver	1.400	2.100	0.440	0.900	Z	CP-1306			3
1996-14-5		Plug, Conventional, Rt Angle, 3 Stud	M	Silver	1.400	2.100	0.440	0.900	Z	CP-1306			3
1999-1-4		Within Series Adapter, Bulkhd, 3 Stud	F-F	Gold	1.350	0.750	0.163					X	4
1998-2-9		Cap & Chain, 3 Stud	M	Nickel	0.670	0.550	0.520	2.500					5
1998-6-5		Cap & Wire Rope, 3 Stud	M	Nickel	0.670	0.550	0.140	4.000					5

**BULKHEAD JACK**

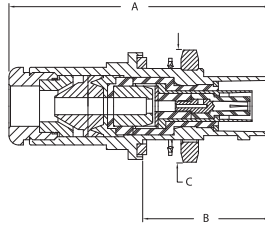


FIGURE 6

**RECEPTACLES**

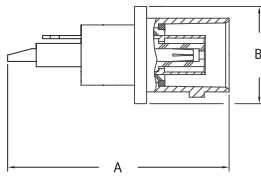


FIGURE 7

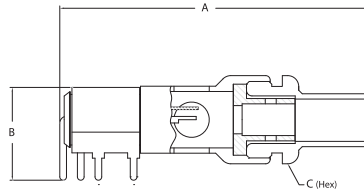


FIGURE 8

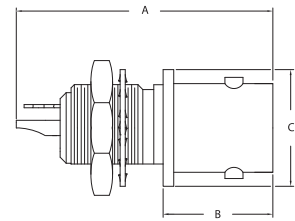


FIGURE 9

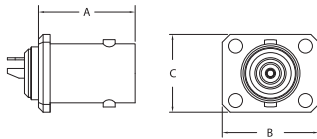


FIGURE 10

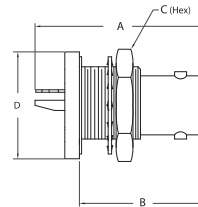


FIGURE 11

Item Number	Military PN	Product Description	Gender	Finish	Dimensions				Cable Group	Cable Procedure	Crimp Die	Mounting Hole	Figure #
					A	B	C	D					
1992-9-5	M49142/05-0004	Jack, Bulkhd, 3 Stud	F	Silver	1.750	0.810	0.630		29	3-392		X	6
1962-2		Jack, Bulkhd, 2 Stud	F	Silver	1.480	0.680	0.630		46	CP-1301A		X	6
1962-7-9		Jack, Bulkhd, 2 Stud	F	Nickel	1.530	0.680	0.630		47	CP-1301		X	6
1992-12-102		Jack, Bulkhd, 3 Stud	F	Nickel	1.530	0.680	0.630		W	3-400	KTH-2175	X	N/S
1994-12-9		Receptacle, 3 Stud	F	Nickel	1.140	0.500				SOLDER			7
1960-1-9		Receptacle, Angle, PCB, 2 Stud	F	Silver	1.760	0.520	0.440			3-734			8
1964-1-9		Receptacle, Bulkhd, Front Mt, 2 Stud	F	Nickel	1.100	0.470	0.500			SOLDER		H	9
1994-1-9		Receptacle, Bulkhd, Front Mt, 3 Stud	F	Nickel	1.140	0.490	0.500			SOLDER		W	9
1967-4-3		Receptacle, Panel, 2 Stud	F	Gold	0.622	0.620	0.500			SOLDER			10
1964-3-9		Receptacle, Bulkhd, Rear Mt, 2 Stud	F	Silver	1.340	0.820	0.630	0.680		SOLDER		X	11
1994-3-5	M49142/04-0004	Receptacle, Bulkhd, Rear Mt, 3 Stud	F	Silver	1.100	0.820	0.630	0.690		SOLDER		X	11
2724-2-5		Receptacle, Bulkhd, Rear Mt, Hermetic, 3 Stud	F	Silver	1.240	0.831	0.625	0.687		SOLDER		X	11
1994-4-5	M49142/04-0005	Receptacle, Bulkhd, Rear Mt, Hermetic, 3 Stud	F	Silver	1.240	1.090	0.630	0.690		SOLDER		X	11
2954-1-5		Receptacle, Bulkhd, Rear Mt, Hermetic, 3 Stud	F	Silver	1.240	0.831	0.625	0.687		SOLDER		X	11
1998-8-5		Receptacle, Bulkhd, Front Mt, Dummy, 3 Stud	F	Silver	0.910	0.500				SOLDER		H	N/S