

DESCRIPTION/SPECIFICATIONS/INTERFACE DIMENSIONS

BNC series RF connectors are the most popular miniature size connectors for coaxial cables from .150" to .250" OD, however designs accommodate .078" to .437" cables. The BNC connector is a 50 ohm constant impedance connector with a frequency range of 0 to 4 GHz. Coupling is a quick connect/disconnect bayonet particularly useful in test equipment, and is weatherproof. Items qualified to MIL-PRF-39012 are included in the listings, and also appear on the latest QPL list for MIL-PRF-39012.

All BNC connectors listed, except where noted, are recognized under the Component Program of Underwriters Laboratories, Inc.

SPECIFICATIONS

ELECTRICAL

Nominal Impedance	50 ohms
Frequency Range	0-4 GHz
Voltage Rating	500 volts rms
Dielectric Withstanding Voltage	1500 volts rms
Insulation Resistance	5000 megohms
VSWR (MIL-PRF-39012 cable connectors)	1.30 max. 0-4 GHz
Contact Resistance (MIL-PRF-39012 cable connectors)	
Center Contacts	1.4 milliohms
Outer Contact (silver plate)	2 milliohms
Insertion Loss (MIL-PRF-39012 cable connectors)	20B max. at 3 GHz

CABLE GROUPS - RG/U, M17		
A		173, 178A, 178B, 196, 196A, M17-93-RG178, M17-93-00001
B	B-1	174, 188, 188A, 316, M17-119-RG174, M17-136-00001, M17-113-RG316
	B-2	179A, 179B, 187, 187A, M17-94-RG179, M17-136-00001
C	C-1	122, M17-54-RG122
	C-2	180, 180A, 180B, 195, 195A, M17-95-RG180, M17-137-00001
	C-3	Essex 21-597, Belden 8218
D		581, 58A, 58C, 141, 141A, M17-28-RG58, M17-111-RG303
E	E-1	55A, 142, 142A, 223, 440, M17-84-RG223, M17-60-RG142, M17-128-RG400
	E-2	55, 55B, 142B, M17-84-RG223, M17-60-RG142
G	G-1	59, 59A, 59B, 62, 62A, 62B, 62C, 210, M17-29-RG59, M17-30-RG62, M17-97-RG210
	G-2	71, 71A, 71B, M17-90-RG71
H		302, M17-110-RG302
K	K-1	5, 5A, 5B, 21, 21A, M17-73-RG212, M17-162-00001
	K-2	6, 6A, M17-2-RG6
	K-3	143, 143A, 212, 222, M17-112-RG304, M17-73-RG212, M17-162-00001
M	M-1	8, 8A, 213, M17-74-RG213
	M-2	11, 11A, M17-6-RG11
N	N-1	9, 9A, 9B, 214, M17-75-RG214
	N-2	13A, 216, M17-77-RG216
	N-3	225, M17-127-RG395
Q		Belden 8281, WE 724

ENVIRONMENTAL

Temperature Range	PTFE Insulators: -85 F to +329 F (-65 C to +165 C) Rexolite Insulators: -67 F to +185 F (-55 C to +85 C) Polypropylene Insulators: -50 F to +250 F (-46 C to +120 C)
Vibration	MIL-STD-202 Method 204, Test Cond. B
Shock	MIL-STD-202 Method 213, Test Cond. B
Corrosion (salt spray)	MIL-STD-202 Method 101, Test Cond. B
Moisture Resistance	MIL-STD-202 Method 106
Hermetic Seals	Leakage shall not exceed 1 x 10 cc/sec of tracer gas at atmospheric pressure.
Compression Seals	Gasketed units show no leakage at 50 psi.

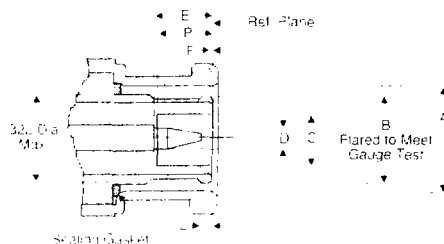
MECHANICAL

Mating	2 stud bayonet coupling per MIL-PRF-39012 or MIL-STD-348 as applicable
Cable Retention	
Non-crimp	40 lbs. min.
Crimp	10 to 40 lbs. depending on cable size.
Center Contact Retention	6 lbs. min. axial force. Applicable to captivated center contact connections only.
Connector Durability	500 cycles min.

Specifications are typical for straight plug configurations designed to MIL-PRF-39012 and may not apply to all connectors.

INTERFACE

Per MIL-PRF-39012 or MIL-STD-348 as applicable



Dimensions in inches with metric equivalents (mm) in parentheses					
Dim Ltr	Minimum	Maximum	Dim Ltr	Minimum	Maximum
A	.385 (.978)	.390 (.991)	E	.210 (.533)	.230 (.584)
B	Gauge Test	Gauge Test	F	.006 (.015)	
C	.190 (.483)		L	.003 (.008)	
D	.052 (.132)	.054 (.137)	P	.208 (.528)	.228 (.579)

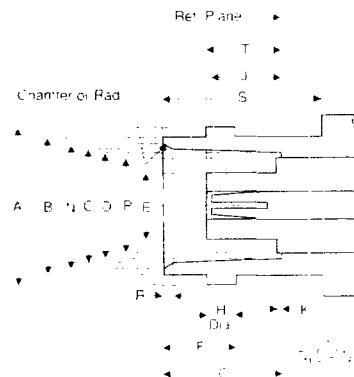
MATERIAL

Except as noted in connector listings

Bodies & Fittings	1. Brass, ASTM-B-16 2. Stainless Steel, ASTM-A-582
Crimp Sleeves	Commercial Bronze Alloy 220
Male Center Contacts	Brass, ASTM-B-16
Female Center Contacts	Beryllium Copper, ASTM-B-196
Male Outer Contacts	1. Beryllium Copper, ASTM-B-196 2. Brass, ASTM-B-16
Insulators	1. PTFE, ASTM D1457 2. Rexolite 1422 MIL-P-77, Type E-2 3. Nylon, Type FM-10001 4. Polyethylene, High Density, MIL-P-22748, Class B, Grade 5 5. Polypropylene, FP 1052
Gaskets & Seals	Silicone Rubber, ZL-R-7652, Class Ila, Grade 50
Boots	Buna N - 40 durometer

FINISHES

Contacts	1. Standard finish on all MIL-PRF-39012 items 00005 (.0012mm) min. hard gold plate per MIL-G-45204 over 00005 (.0012mm) min. nickel plate per QQ-N-290 2. All other items, 00005 (.0012mm) min. hard gold plate per MIL-G-45204 over copper, unless otherwise specified
Bodies & Fittings	1. Standard finish: 0002 (.005mm) min. silver plate, electro-deposited per QQ-S-365A plus Kings TR-4 electrolytic chromate treatment 2. TR-5 - Kings tarnish resistant alloy electrodeposit finish.



Dim Ltr	Minimum	Maximum	Dim Ltr	Minimum	Maximum
A	.432 (.1097)	.436 (.1107)	J	.186 (.472)	.206 (.523)
B	.378 (.960)	.382 (.970)	K		.006 (.015)
C	.327 (.831)	.333 (.846)	L	.346 (.879)	.356 (.904)
D	.319 (.810)	.321 (.815)	P		.256 (.650)
E		.186 (.472)	Q	.015 (.038)	.030 (.076)
F	.204 (.518)	.206 (.528)	S	.414 (.1052)	
G	.327 (.831)	.335 (.851)	T	.188 (.478)	.208 (.528)
H	.075 (.191)	.081 (.206)			

PLUGS

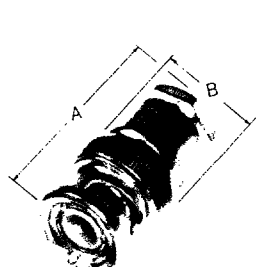


FIGURE 1

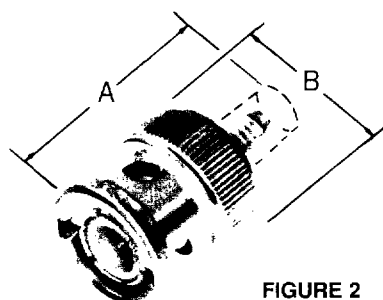


FIGURE 2

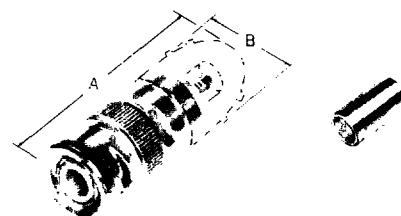


FIGURE 3

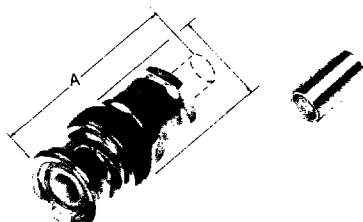


FIGURE 4

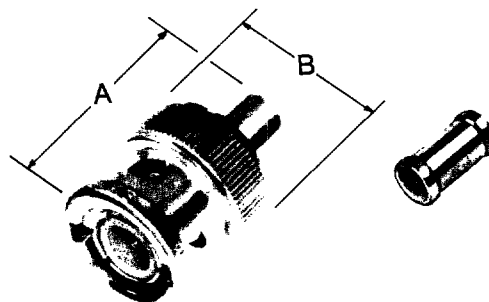


FIGURE 5

CONVENTIONAL CONSTRUCTION

CABLE GROUP	KINGS PART NUMBER		MILITARY NUMBER (SILVER ONLY)	FIG. NO.	NOTES	DIMENSIONS				CABLING	
	SILVER FINISH	TR-5 FINISH				A		B		CABLE TRIM CODE	
						in	mm	in	mm		
B	KC-59-28	KC-59-284		1		1.08	27.4	0.56	14.2	1004 1	
DE	UG-592A			1	Brass Outer Cont., No Slipwasher	1.06	26.9	0.56	14.2	1004	
DE		KC-59-145		1		1.08	27.4	0.56	14.2	1004	
DE	KC-59-344		M39012/16-0101	1		1.08	27.4	0.56	14.2	1050	
G	KC-59-345		M39012/16-0102	1		1.08	27.4	0.56	14.2	1050	
G		KC-59-122		1	Brass Outer Cont., No Slipwasher	1.06	26.9	0.56	14.2	1004 3	
MN	UG-592A/U			1	Brass Outer Contact	1.66	42.2	0.75	19.1	1005	
MN	KC-59-246			1		1.66	42.2	0.75	19.1	1005	
.141SR RG-402-U		KC-59-588-M06		NS		0.75	19.1	0.56	14.2	3-81	

TAPER GRIP CONSTRUCTION

CABLE GROUP	KINGS PART NUMBER		MILITARY NUMBER (SILVER ONLY)	FIG. NO.	NOTES	DIMENSIONS				CABLING	
	SILVER FINISH	TR-5 FINISH				A		B		CABLE TRIM CODE	
						in	mm	in	mm		
RG-58/U		KC-59-457-M06		1	Captive Contact.	1.09	27.7	0.56	14.2	2201	
RG-174/U		KC-59-491		1	Captive Contact.	1.09	27.7	0.56	14.2	2201	

K-GRIP, JR. CONSTRUCTION

CABLE GROUP	KINGS PART NUMBER		MILITARY NUMBER (SILVER ONLY)	FIG. NO.	NOTES	DIMENSIONS				CABLING	
	SILVER FINISH	TR-5 FINISH				A		B		CABLE TRIM CODE	CRIMP DIE
						in	mm	in	mm		
B		KC-59-557-M06		2	Crimp Contact	1.02	25.9	0.56	14.2	5407	KTH-2138
B-1		KC-59-152		2	Crimp Contact	0.94	23.9	0.56	14.2	406	KTH-2032
D-2	KC-59-416		M39012:16-0502	2		1.12	28.5	0.56	14.2	465	KTH-2007
D-3		KC-59-307		2	Crimp & Captive Contact	0.99	25.1	0.56	14.2	409	KTH-2007
D		KC-59-121		3	Pre-Assembled K-Grip Captive Contact with Boot	1.91	48.5	0.56	14.2	420	KTH-2001
D	KC-59-61		M39012:16B0004	4	K-Grip Construction, Crimp Contact	1.17	29.7	0.56	14.2	201A	KTH-2001
D		KC-59-291		2	Crimp & Captive Contact	1.10	27.9	0.56	14.2	401	KTH-2001
D	KC-59-347		M39012:16-0013	2	Crimp & Captive Contact	1.10	27.9	0.57	14.5	465	KTH-2001
D	KC-59-414		M39012:16-0504	2		1.12	28.5	0.56	14.2	465	KTH-2001
E	KC-59-417		M39012:16-0503	2		1.12	28.5	0.56	14.2	465	KTH-2001
E-1		KC-59-162		2	Crimp Contact	1.10	27.9	0.56	14.2	401	KTH-2001
E-1	KC-59-346		M39012:16-0014	2	Beryllium Copper Outer Contact Crimp & Captive Contact	1.10	27.9	0.57	14.5	465	KTH-2001
G-1		KC-59-294		2	Crimp & Captive Contact, Gold Plated	1.10	27.9	0.56	14.2	401	KTH-2002
G-1	KC-59-348		M39012:16-0015	2	Beryllium Copper Outer Contact, Crimp & Captive Contact	1.10	27.9	0.57	14.5	465	KTH-2002
D		KC-59-299		2	Crimp & Captive Contact	1.10	27.9	0.56	14.2	424	KTH-2012
BELDEN 3213		KC-59-485		2	Crimp & Captive Contact	1.78	45.2	0.56	14.2	5402	KTH-2034
BELDEN 9259		KC-59-482		2	Crimp & Captive Contact	1.10	27.9	0.56	14.2	401	KTH-2002
BELDEN 1164, 1167		KC-59-509		2	Crimp & Captive Contact	0.99	25.2	0.56	14.2	409	KTH-2007
TIMES FM-59		KC-59-486		2	Crimp & Captive Contact	1.10	27.9	0.56	14.2	465	KTH-2002

WEATHERPROOF K-GRIP JR. CONSTRUCTION

CABLE GROUP	KINGS PART NUMBER		MILITARY NUMBER (SILVER ONLY)	FIG. NO.	NOTES	DIMENSIONS				CABLING	
	SILVER FINISH	TR-5 FINISH				A		B		CABLE TRIM CODE	CRIMP DIE
						in	mm	in	mm		
D		KC-59-196		5	Crimp Contact	1.12	28.5	0.56	14.2	401	KTH-2061
G	KC-59-220		M39012:16B0008	5	Crimp Contact	1.11	28.2	0.56	14.2	401	KTH-2062

ANGLE PLUGS

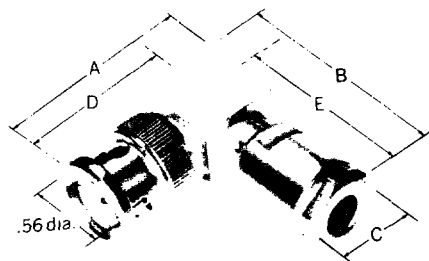


FIGURE 6

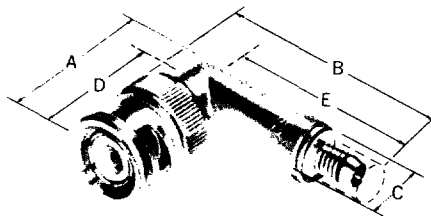


FIGURE 7

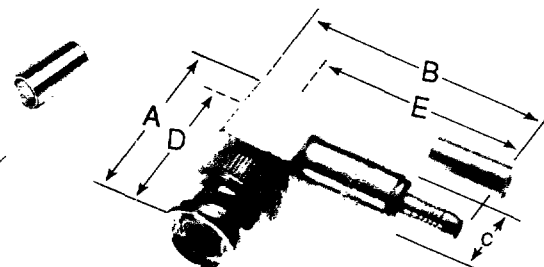


FIGURE 8

CONVENTIONAL CONSTRUCTION

CABLE GROUP	KINGS PART NUMBER		MILITARY NUMBER (SILVER ONLY)	FIG. NO.	NOTES	DIMENSIONS										CABLING	
	SILVER FINISH	TR-5 FINISH				A		B		C		D		E		CBL. TRIM CODE	
						in	mm	in	mm	in	mm	in	mm	in	mm		
DE	DE-10-001		M39012/20-0101	6		1.13	28.7	1.43	36.3	0.50	12.7	0.88	22.4	1.25	31.8	1050	

K-GRIP, JR. CONSTRUCTION

CABLE GROUP	KINGS PART NUMBER		MILITARY NUMBER (SILVER ONLY)	FIG. NO.	NOTES	DIMENSIONS										CABLING	
	SILVER FINISH	TR-5 FINISH				A		B		C		D		E		CBL. TRIM CODE	CRIMP DIE
						in	mm	in	mm	in	mm	in	mm	in	mm		
B-1	KS-20-100			7	Crimp Contact	1.03	26.2	1.43	36.3	0.37	9.4	0.88	22.4	1.14	29.0	406	KTH-2032
C-2	KS-20-110		M39012/20-0502	8	Crimp Contact	1.13	28.7	1.79	45.2	0.37	9.4	0.88	22.6	1.42	36.1	465	KTH-2007
D	KS-20-100		M39012/20-0006	8	Crimp Contact	1.14	29.0	1.38	34.5	0.44	11.2	0.88	22.6	1.08	27.4	465	KTH-2001
D	KS-20-100		M39012/20-0504	8	Crimp Contact	1.13	28.7	1.79	45.2	0.37	9.4	0.88	22.6	1.42	36.1	465	KTH-2001
E	KS-20-110		M39012/20-0503	8		1.13	28.7	1.79	45.2	0.37	9.4	0.88	22.6	1.42	36.1	465	KTH-2001
E-1	KS-20-100		M39012/20-0007	8	Crimp Contact	1.14	29.0	1.38	34.5	0.44	11.9	0.88	22.6	1.08	27.4	465	KTH-2001

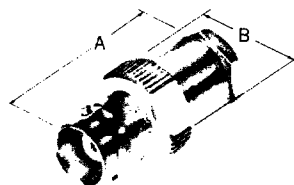


FIGURE 9

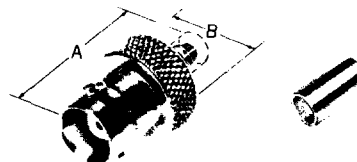


FIGURE 10

CONVENTIONAL CONSTRUCTION

CABLE GROUP	KINGS PART NUMBER		MILITARY NUMBER (SILVER ONLY)	FIG. NO.	NOTES	DIMENSIONS				CABLING	
	SILVER FINISH	TR-5 FINISH				A		B		CABLE TRIM CODE	
						in	mm	in	mm		
B	KC-39-38			9		1.15	29.2	0.50	12.7	1004.1	
DE	US-4957A			9		1.15	29.2	0.50	12.7	1004	

K-GRIP, JR. CONSTRUCTION

CABLE GROUP	KINGS PART NUMBER		MILITARY NUMBER (SILVER ONLY)	FIG. NO.	NOTES	DIMENSIONS				CABLING	
	SILVER FINISH	TR-5 FINISH				A		B		CABLE TRIM CODE	CRIMP DIE
						in	mm	in	mm		
D	KC-39-28	KC-39-38		10		1.17	29.7	0.50	12.7	401	KTH-2001
D	KC-39-185		M39012/17-0504	10	Crimp & Captive Contact	1.18	30.0	0.50	12.7	465	KTH-2001
G-1		KC-39-45		10	Crimp Contact	1.17	29.7	0.50	12.7	401	KTH-2002

BULKHEAD JACKS



FIGURE 11

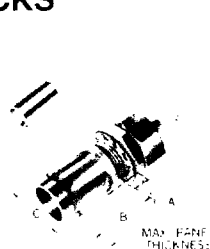


FIGURE 12

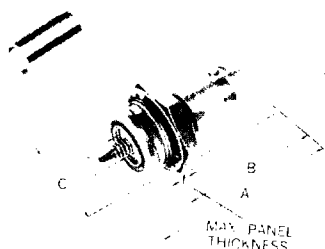


FIGURE 13

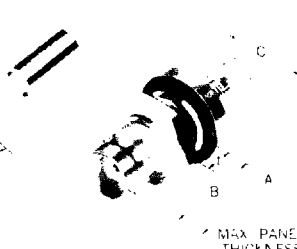


FIGURE 14

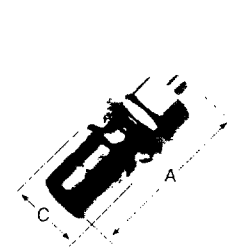


FIGURE 15



MTG. HOLE A



MTG. HOLE B



MTG. HOLE C

CONVENTIONAL CONSTRUCTION

CABLE GROUP	KINGS PART NUMBER		MILITARY NUMBER (SILVER ONLY)	FIG. NO.	NOTES	DIMENSIONS										CABLING	
	SILVER FINISH	TR-5 FINISH				A		B		C		t		MTG. HOLE	CBL. TRIM CODE		
						in	mm	in	mm	in	mm	in	mm				
A	KC-19-110			11	Rear Mtg	1.15	29.2	0.81	20.6	0.69	17.5	0.241	6.1	A	1012		
B		KC-19-175		11	Rear Mtg	1.15	29.2	0.81	20.6	0.69	17.5	0.241	6.1	A	1004 1		
DE	KC-19-282		M39012/19-0101	11	Rear Mtg	1.15	29.2	0.81	20.6	0.69	17.5	0.241	6.1	A	1050		
M17-113- RG316 M17-119- RG174	752-34-5		M39012/19-0220	11	Taper Grip Rear Mtg	1.25	31.8	0.81	20.6	0.69	17.5	0.233		A	3-562		

K-GRIP, JR. CONSTRUCTION

CABLE GROUP	KINGS PART NUMBER		MILITARY NUMBER (SILVER ONLY)	FIG. NO.	NOTES	DIMENSIONS								CABLING		
	SILVER FINISH	TR-5 FINISH				A		B		C		t		MTG. HOLE	CBL. TRIM CODE	CRIMP DIE
						in	mm	in	mm	in	mm	in	mm			
B		KC-19-152		12	Pre-Assembled K-Grip, Front Mtg	1.34	34.0	0.56	14.2	0.50	12.7	0.149	3.8	C	430	KTH-2024
B		KC-19-138		13	Rear Mtg, Isolated Ground	1.26	32.0	0.88	22.4	0.63	16.0	0.173	4.4	A	431	KTH-2032
B-1		KC-19-93		14	Rear Mtg, Crimp Contact	1.37	34.9	0.81	20.6	0.69	17.5	0.241	6.1	A	407	KTH-2032
B-2		KC-19-293-M06		14	Rear Mtg, Crimp Contact	1.38	35.1	0.81	20.6	0.69	17.5	0.241	6.1	A	5417	KTH-2140
C		KC-19-96		14	Rear Mtg	1.43	36.3	0.81	20.6	0.69	17.5	0.241	6.1	A	408	KTH-2007
C-2	KC-19-248		M39012/19-0502	14	Rear Mtg, Crimp & Capt. Cont	1.40	35.6	0.81	20.6	0.63	16.0	0.241	6.1	A	465	KTH-2007
D		KC-19-161		12	Pre-Assembled K-Grip, Front Mtg	1.53	38.9	0.56	14.2	0.50	12.7	0.180	4.1	C	436	KTH-2001
D	KC-19-250		M39012/19-0504	14	Rear Mtg, Crimp & Capt. Cont	1.40	35.6	0.81	20.6	0.69	17.6	0.241	6.1	A	465	KTH-2001
E	KC-19-249		M39012/19-0503	14	Rear Mtg, Crimp & Capt. Cont	1.40	35.6	0.81	20.6	0.63	16.0	0.241	6.1	A	465	KTH-2001
E-1		KC-19-140		14	Rear Mtg	1.55	39.4	0.81	20.6	0.69	17.5	0.241	6.1	A	405	KTH-2001
086 SR RG-405 U		KC-19-258		15	Pre-Assembled K-Grip, Front Mtg., Captive Contact.	1.14	29.0			0.50	12.7			C	2101	

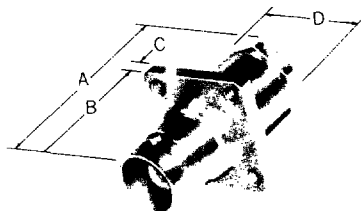
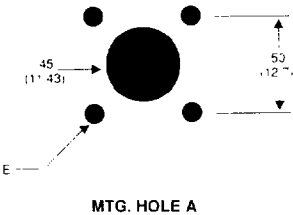


FIGURE 16



CONVENTIONAL CONSTRUCTION																	
CABLE GROUP	KINGS PART NUMBER		MILITARY NUMBER (SILVER ONLY)	FIG. NO.	NOTES	DIMENSIONS										CABLING	
	SILVER FINISH	TR-5 FINISH				A		B		C		D		E		MTG. HOLE	CABLE TRIM CODE
						In	mm	In	mm	In	mm	In	mm	In	mm		
B	NC-18-16			16		1.15	29.2	0.09	2.3	0.09	2.3	0.109	2.8	A	1004 1		
DE	NC-18-02		M39012/18-0102	16	Captive Contact	1.15	29.2	0.09	2.3	0.09	2.3	0.120	3.1	A	1004		

BULKHEAD RECEPTACLES

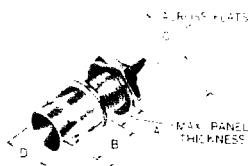


FIGURE 17



FIGURE 18



FIGURE 19

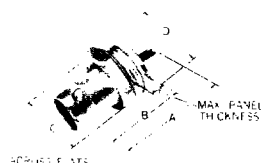


FIGURE 20

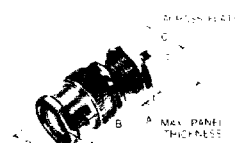


FIGURE 21

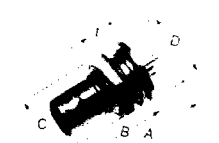
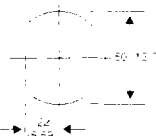
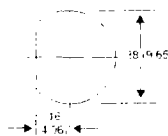


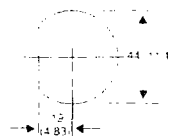
FIGURE 22



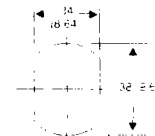
MTG. HOLE A



MTG. HOLE B



MTG. HOLE C



MTG. HOLE E

BULKHEAD RECEPTACLES

KINGS PART NUMBER		MILITARY NUMBER (SILVER ONLY)	FIG. NO.	NOTES	DIMENSIONS														
SILVER FINISH	TR-5 FINISH				A		B		C		D		G		H		t		MTG. HOLE
					in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	
	KC-79-44		NS	Front Mount to 1/2-28 UNEF Thread	0.68	17.3			0.56	14.2									
KC-79-106		M39012/21-0001	17	Front Mount	1.06	26.9	0.47	11.9	0.50	12.7	0.50	12.7					0.134	3.4	C
KC-79-106	KC-79-131	M39012/21-0002	17	Front Mount	1.19	20.2	0.47	11.9	0.50	12.7	0.50	12.7					0.253	6.4	B
KC-79-123		M39012/21-0003	17	Front Mount	1.19	20.2	0.47	11.9	0.50	12.7	0.50	12.7					0.260	6.6	C
KC-79-118		M39012/23-0001	18	Right Angle, Front Mount	0.91	23.1	1.37	34.8	0.61	15.5	1.15	29.2	0.62	15.8	0.50	12.7	0.287	7.3	B
754-21-5	KC-79-67	M39012/128-0001	19	Isolated Ground, Front Mt.	1.06	26.9	0.52	13.2	0.56	14.2	0.63	16.0					0.175	4.5	A
	KC-79-179		20	Rear Mount	1.04	26.4	0.73	18.5	0.63	16.0	0.63	16.0					0.061	1.6	A
KC-79-58	KC_79-59		21	Male, Front Mount	1.19	20.2	0.67	17.0	0.50	12.7	0.50	12.7					0.188	4.8	B
	KC-79-302-M06		19	Isolated Ground, Front Mt	1.38	35.1	0.63	16.0	0.50	12.7	0.50	12.7					0.166	4.2	B
	KC-79-197		19	Front Mt. Isolated Ground	1.06	26.9	0.52	13.2	0.56	14.2	0.63	16.0					0.176	4.5	A
	KC-79-150		22	Isolated Ground, Rear Mt	1.06	26.9	0.73	18.5	0.56	14.2	0.56	14.2					0.175	4.5	A
UG-1004A	KC-79-35		17	Front Mount	1.06	26.9	0.47	11.9	0.50	12.7	0.50	12.7					0.134	3.4	B
	KC-79-46		17	Front Mount	1.19	30.2	0.47	11.9	0.50	12.7	0.50	12.7					0.260	6.6	B

BULKHEAD RECEPTACLES PANEL RECEPTACLES



FIGURE 23

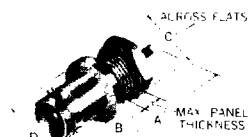


FIGURE 24



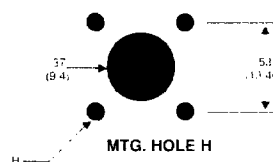
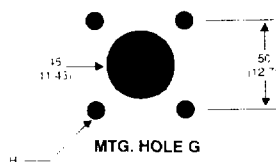
FIGURE 25



FIGURE 26



FIGURE 27



PRESSURIZED BULKHEAD RECEPTACLES

KINGS PART NUMBER		MILITARY NUMBER (SILVER ONLY)	FIG. NO.	NOTES	DIMENSIONS														
SILVER FINISH (or as noted)	TR-5 FINISH				A		B		C		D		E		F		t		MTG. HOLE
in	mm				in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	
KC-79-107		M39012/24-0001	23	Hermetic Seal, Rear Mtg.	1.20	30.5	0.63	21.1	0.63	16.0	0.63	17.5					0.264	6.7	A
KC-79-108		M39012/24-0002	24	Hermetic Seal, Front Mtg.	1.20	30.5	0.63	13.2	0.50	12.7	0.63	15.0					0.362	9.2	B
	KC-79-90		25	O-Ring Seal, Front Mtg.	1.30	33.0	0.63	15.2	0.50	12.7	0.63	14.5					0.248	6.3	E
	KC-79-117		24	Front Mtg., Hermetic Seal, Internal Tooth Lockwasher	1.21	30.7	0.63	12.7	0.50	12.7	0.63	15.2					0.362	9.2	B
	KC-79-74		23	Hermetic Seal, Rear Mtg.	1.20	30.5	0.63	21.1	0.75	19.1	0.63	17.5					0.264	6.7	A

PANEL RECEPTACLES

KINGS PART NUMBER		MILITARY NUMBER (SILVER ONLY)	FIG. NO.	NOTES	DIMENSIONS														
SILVER FINISH	TR-5 FINISH				A		B		C		D		E		H		J		MTG. HOLE
					in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	
KC-79-109	KC-79-132	M39012.22-0001	26		1.06	26.9	0.63	16.0	0.09	2.3	0.44	11.2			0.120	3.1			G
KC-79-123			26		1.06	26.9	0.63	16.0	0.09	2.3	0.44	11.2			0.120	3.1			G
	KC-79-125		26	Isolated Ground	1.06	26.9	0.60	15.2	0.12	3.1	0.44	11.2			0.105	2.7			G
UG-290A/U			26		1.06	26.9	0.63	16.0	0.09	2.3	0.44	11.2			0.120	3.1			G
UG/1104A/U			27	Male, Brass Outer Contact	1.19	20.2	0.78	19.3	0.09	2.3	0.58	14.2			0.137	3.5			H
	KC-79-51		27	Male	1.19	20.2	0.78	19.3	0.09	2.3	0.60	14.2			0.125	3.2			H

PC RECEPTACLES

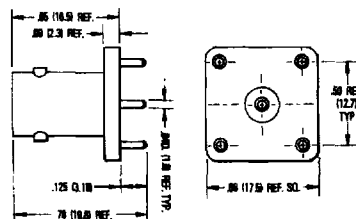


FIGURE 28

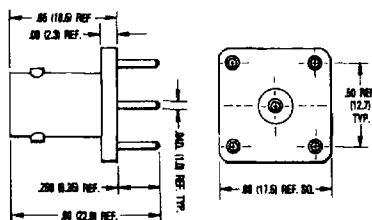


FIGURE 29

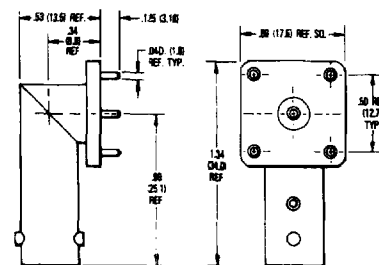


FIGURE 30

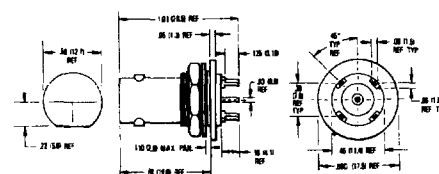


FIGURE 31

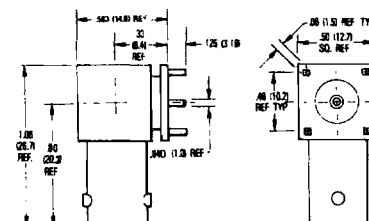


FIGURE 32

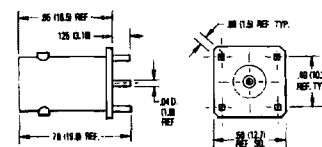


FIGURE 33

RF RECEPTACLES FOR PRINTED CIRCUIT BOARDS					
KINGS PART NUMBER		FIG. NO.	MAX. PC BD. THICKNESS in mm	PLATING	
SILVER FINISH BODY	TR-5 FINISH BODY			MTG. PINS	CONTACT
KC-79-07	KC-79-07-M06	28	1/16 1.6	Silver	Silver
	KC-79-215	29	1/8 3.2	Silver	Gold
	KC-79-232-M06	29	1/8 3.2	Silver	Silver
KC-79-237-M06	KC-79-237-M06	30	1/16 1.6	Silver	Silver
	KC-79-238-M06	31	1/16 1.6	TR-5	Gold
	KC-79-243-M06	32	1/16 1.6	TR-5	Silver
	KC-79-274-M06	33	1/16 1.6	Silver	Gold

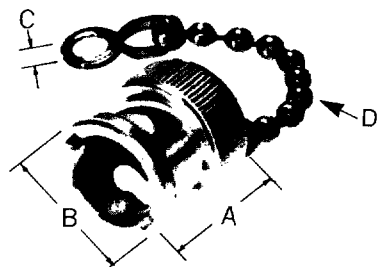


FIGURE 34

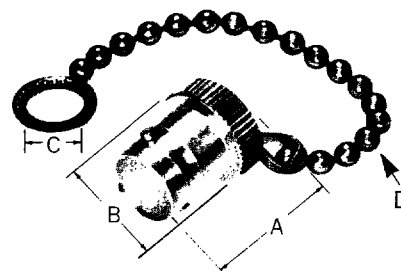


FIGURE 35

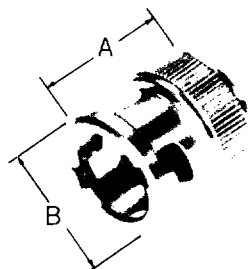


FIGURE 36

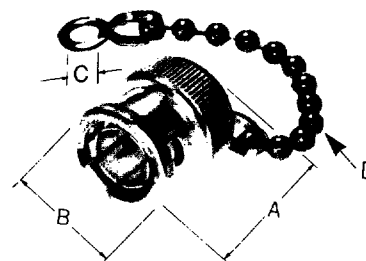


FIGURE 37

ACCESSORIES													
KINGS PART NUMBER		NUMBER (SILVER ONLY)	FIG. NO.	DESCRIPTION	NOTES	DIMENSIONS							
SILVER FINISH (or as noted)	MILITARY TR-5 FINISH					A		B		C		D	
						in	mm	in	mm	in	mm	in	mm
KC-89-39			34	Cap - Male with Cord	Olive Green Enamel, Coreless Nylon Cord	0.70	17.8	0.50	12.7	0.25	6.4	2.5	63.5
KC-89-87		M39012/25-0006	34	Cap- Male with Bead Chain		0.67	17.0	0.55	14.0	0.14	3.6	2.25	57.2
KC-89-88		M39012/25-0007	34	Cap - Male with Safety Chain		0.67	17.0	0.57	14.5	0.52	13.2	2.70	68.6
KC-89-89		M39012/25-0008	35	Cap - Female with Bead Chain		0.67	17.0	0.52	13.2	0.28	7.1	3.25	82.6
CW-123A/U			34	Cap - Male with Bead Chain		0.67	17.0	0.55	14.0	0.14	3.6	2.25	57.2
	KC-89-58		36	Cap - Male		0.64	16.3	0.55	14.0				
KC-89-82		M39012/25-0015	36	Cap - Male		0.58	14.7	0.55	14.0				
KC-89-83		M39012/25-0016	37	Shorting Plug and Bead Chain		0.70	17.8	0.55	14.0	0.14	3.6	2.5	63.5

ADAPTERS WITHIN SERIES

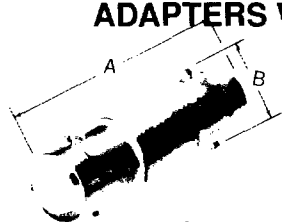


FIGURE 38

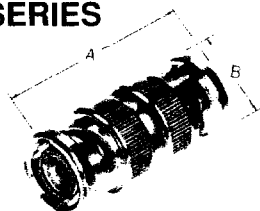


FIGURE 39

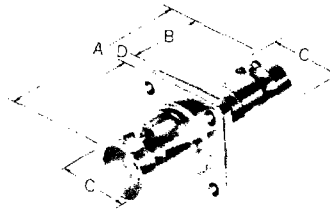


FIGURE 40

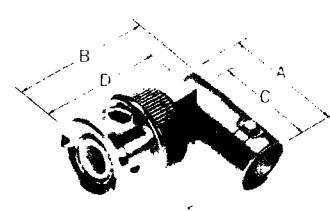


FIGURE 41

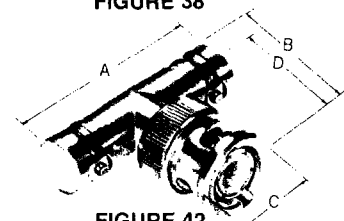


FIGURE 42

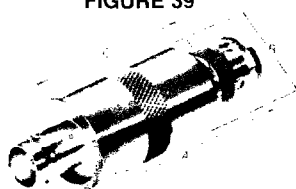


FIGURE 43

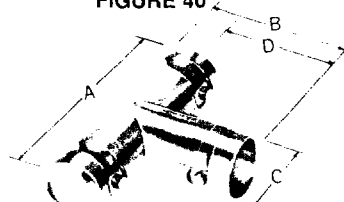


FIGURE 44

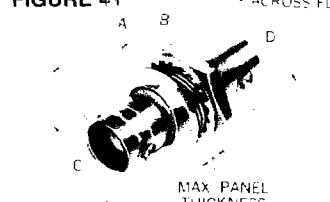


FIGURE 45



FIGURE 46

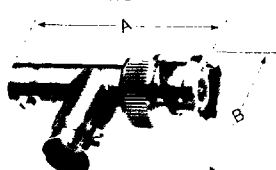
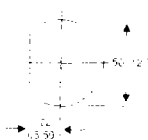


FIGURE 47



MTG. HOLE A



MTG. HOLE B

ADAPTERS WITHIN SERIES

KINGS PART NUMBER		MILITARY NUMBER (SILVER ONLY)	FIG. NO.	ADAPTER ENDS	NOTES	DIMENSIONS										
SILVER FINISH (or as noted)	TR-5 FINISH					A		B		C		D		t		MTG. HOLE
						in	mm	in	mm	in	mm	in	mm	in	mm	
759-1		M55339/16-00914	38	Jack-Jack		1.28	32.5	0.44	11.2							
UG-914/U	KC-99-30		38	Jack-Jack		1.28	32.5	0.44	11.2							
759-5		M55339/15-00491	39	Plug-Plug		1.23	31.2	0.56	14.2							
	KC-99-32		39	Plug-Plug		1.22	31.0	0.56	14.2							
	KC-99-56		40	Jack-Jack		1.28	32.5	0.50	12.7	0.44	11.2	0.09	2.3			B
759-4		M55339/14-00306	41	Plug-Jack		0.90	22.9	1.03	26.2	0.72	18.3	0.85	21.6			
UG-306A/U			41	Jack-Plug	Brass Outer Contact	0.90	22.9	1.03	26.2	0.62	15.8	0.84	21.3			
UG-306B/U	KC-99-35		41	Jack-Plug		0.90	22.9	1.03	26.2	0.62	15.8	0.84	21.3			
759-3		M55339/17-00274	42	Jck-Pig-Jck		1.28	32.5	1.06	26.9	0.56	14.2	0.84	21.3			
KC-99-28			43	Jack-Plug	Component Holder	2.54	64.5	0.81	20.6	1.32	33.5					
UG-274A/U			42	Jck-Pig-Jck	Brass Outer Contact	1.28	32.5	1.06	26.9	0.56	14.2	0.84	21.3			
UG-274B/U	KC-99-31		42	Jck-Pig-Jck		1.28	32.5	1.06	26.9	0.56	14.2	0.84	21.3			
UG-274C/U	KC-99-52		42	Jck-Pig-Jck		1.28	32.5	1.06	26.9	0.56	14.2	0.84	21.3			
KC-99-29	KC-99-37		44	Jck-Jck-Jck		1.28	32.5	0.92	23.4	0.44	11.2	0.70	17.8			
KC-99-46	KC-99-54		45	Jack-Jack	Isolated Ground	1.28	32.5	0.80	20.3	0.63	16.0	0.63	16.0	0.176	4.5	A
	KC-99-95-M06		45	Jack-Jack		1.28	32.5	0.73	18.5	0.68	17.3	0.63	16.0	0.162	4.1	A
759-2		M55339/13-00492	46	Jack-Jack	Hermetic Seal Internal Teeth Lockwasher	1.53	38.9	0.86	21.8	0.69	17.5	0.83	16.0	0.275	7.0	A
759-8		M55339/13-00001	46	Jack-Jack	Pressurized (O-Ring Seals)	1.40	35.6	0.86	21.8	0.63	16.0	0.63	16.0	0.296	7.5	A
UG-482D/U	KC-99-38		46	Jack-Jack	Pressurized (Hermetic Seal)	1.53	38.9	0.86	21.8	0.69	17.5	0.75	19.1	0.279	7.1	A
	KC-99-53		47	Pig-Jck-Jck		1.48	37.6	0.98	24.9							

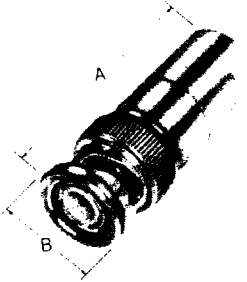


FIGURE 48

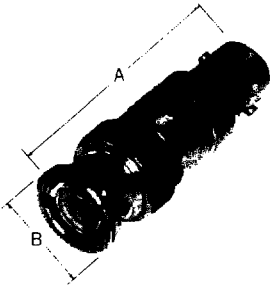


FIGURE 49

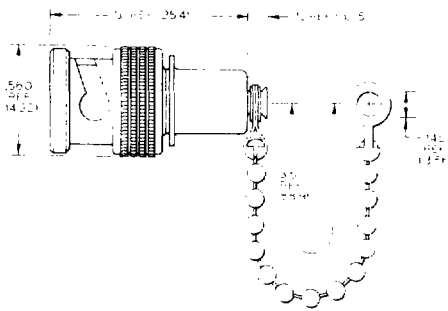


FIGURE 50

TERMINATIONS													
KINGS PART NUMBER		MILITARY NUMBER (SILVER ONLY)	FIG. NO.	DESCRIPTION	NOTES	DIMENSIONS							
SILVER FINISH	TR-5 FINISH					A		B		C		D	
						in	mm	in	mm	in	mm	in	mm
	KC-89-103		48	Male	51 ohm, 5%, 1/2 watt	1.19	30.2	0.58	14.2				
	KC-89-104		48	Male	75 ohm, 5%, 1/2 watt	1.19	30.2	0.58	14.2				
	KC-89-110		48	Male	75 ohm, 1/2%, 1/2 watt	1.42	36.1	0.58	14.2				
	KC-89-163		48	Male	50 ohm, 5%, 2 watt	1.42	36.1	0.58	14.2				
	1340-1		49	BNC Plug to Jack	50 ohm, 5%, 2 watt	1.36	34.5	0.58	14.2				
	KC-89-64		48	Male	50 ohm, 1%, 1/2 watt, non-inductive	1.44	36.6	0.58	14.2				
	KC-89-66		48	Male	75 ohm, 1%, 1/2 watt	1.43	36.3	0.58	14.2				
	KC-89-74		48	Male Termination Shell	Resistor installed by user	1.28	32.5	0.58	14.2				

ECONOMY TYPE					
KINGS PART NUMBER		FIG. NO.	DESCRIPTION	NOTES	CHARACTERISTIC IMPEDANCE
TR-5 FINISH					
1345-3-31		50	Male without chain	50 ohm, 1%, 1/2 watt	50 ohm
1345-3-36		50	Male without chain	75 ohm, 0.1%, 1/2 watt	50 ohm
1345-4-31		50	Male with Bead Chain	50 ohm, 1%, 1/2 watt	50 ohm