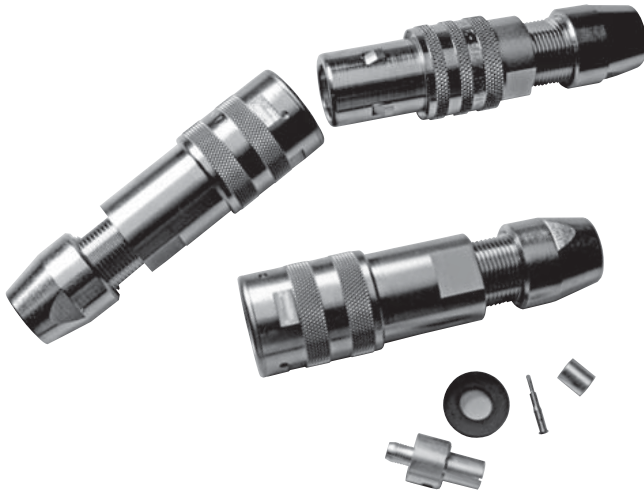


## TRI-LOC® SERIES



## SPECIFICATIONS

### MATERIAL

Body:	Brass
Center Contacts:	Brass (Male) Beryllium Copper (Female)
Insulators:	Teflon®
Spring Member:	Beryllium Copper

### FINISHES

Body:	Nickel
Center Contacts:	Gold over Nickel
Outer Contacts:	Silver

### ELECTRICAL

Impedance:	75 Ohms
Return Loss:	Up to 500 MHz, -20 dB minimum Up to 750 MHz, -17 dB minimum
Operating Freq:	DC to 2.5 GHz

### MECHANICAL

Life:	30,000 cycles minimum
Cable Retention:	140 lbs minimum, 1/2" diameter cable 100 lbs minimum, 3/8" diameter cable

### ENVIRONMENTAL

Moisture:	0 to 98% MIL-STD-202 Method 106
Temperature:	-20° to +70° C
Corrosion:	MIL-STD-202 Method 101

- Durable weatherproof construction— Ideal for outdoor use.
- Performs in even the harshest environments.
- Easy, two-crimp installation of plugs and jacks.
- Push-on, pull-apart mating.
- Non-conductive anti-shock safety tip on contacts.
- 75 Ohm Impedance.
- Adapters are available in a variety of configurations.
- Inspection gauges allow for quick and easy verification of interface dimensions and proper mating.
- Inexpensive retrofit kits for field replacement of damaged or non-functioning internal Tri-Loc® parts.

STANDARD PLUG

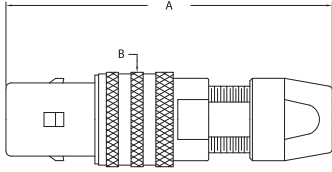


FIGURE 1

ANGLE PLUG

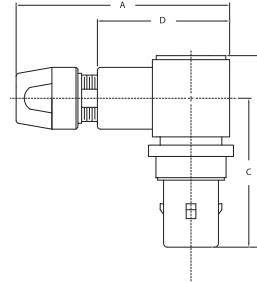


FIGURE 2

BULKHEAD PLUG - FRONT MOUNT

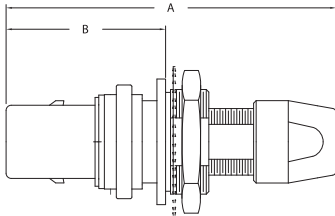


FIGURE 3

STANDARD JACK

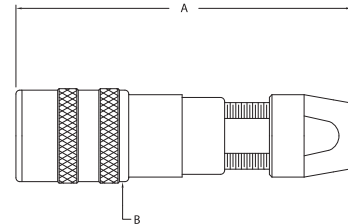
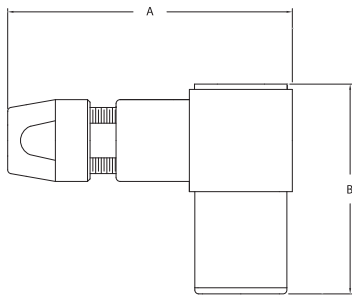


FIGURE 4

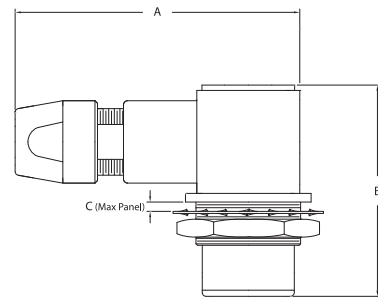
Item Number	Military PN	Product Description	Gender	Finish	A	Dimensions			Cable Group	Cable Procedure	Crimp Die	Mounting Hole	Figure #
					B	C	D						
7705-1		Plug	M	Nickel	3.880	1.140			70	KAI-8010	KTH-2040		1
7705-2		Plug	M	Nickel	3.880	1.140			73	KAI-8010	KTH-2002		1
7705-3		Plug	M	Nickel	3.880	1.140			74	KAI-8010	KTH-2041		1
7705-9		Plug	M	Nickel	3.880	1.140			76	KAI-8010	KTH-2002		1
7705-4		Plug	M	Nickel	3.880	1.140			78	KAI-8010	KTH-2002		1
7705-6		Plug	M	Nickel	3.880	1.140			79	KAI-8010	KTH-2040		1
7705-5		Plug	M	Nickel	3.880	1.140			80	KAI-8010	KTH-2012		1
7706-1		Plug, Angle	M	Nickel	3.440	3.100	2.410	2.140	73	3-499			2
7706-2		Plug, Angle	M	Nickel	3.440	3.100	2.410	2.140	74	3-499			2
7702-1		Plug, Bulkhd, Front Mt	M	Nickel	3.880	1.950			70	KAI-8010	KTH-2040	AH	3
7702-2		Plug, Bulkhd, Front Mt	M	Nickel	3.880	1.950			73	KAI-8010	KTH-2002	AH	3
7702-3		Plug, Bulkhd, Front Mt	M	Nickel	3.880	1.950			74	KAI-8010	KTH-2041	AH	3
KP-8012-767-400		Plug, Bulkhd, Front Mt	M	Nickel	3.880	1.950			76	KAI-8010	KTH-2002	AH	3
7702-14		Plug, Bulkhd, Front Mt	M	Nickel	3.880	1.950			79	KAI-8011	KTH-2040	AH	3
7703-1		Jack	F	Nickel	4.000	1.120			70	KAI-8010	KTH-2040		4
7703-2		Jack	F	Nickel	4.000	1.120			73	KAI-8010	KTH-2002		4
7703-3		Jack	F	Nickel	4.000	1.120			74	KAI-8010	KTH-2041		4
7703-9		Jack	F	Nickel	4.000	1.120			76	KAI-8010	KTH-2002		4
7703-6		Jack	F	Nickel	4.000	1.120			78	KAI-8010	KTH-2002		4
7703-8		Jack	F	Nickel	4.000	1.120			79	KAI-8010	KTH-2040		4
7703-7		Jack	F	Nickel	4.000	1.120			80	KAI-8010	KTH-2012		4

**ANGLE JACK**



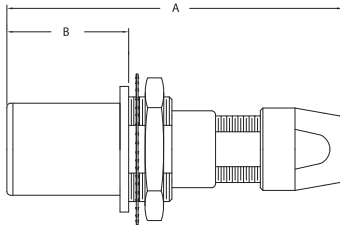
**FIGURE 5**

**ANGLE BULKHEAD JACK  
REAR MOUNT**



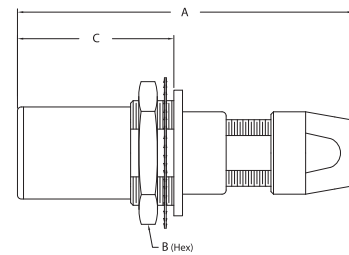
**FIGURE 6**

**BULKHEAD JACK - FRONT MOUNT**



**FIGURE 7**

**BULKHEAD JACK - REAR MOUNT**



**FIGURE 8**

Item Number	Military PN	Product Description	Gender	Finish	Dimensions				Cable Group	Cable Procedure	Crimp Die	Mounting Hole	Figure #
					A	B	C	D					
7703-4		Jack, Angle	F	Nickel	3.440	2.490			73	3-499			5
7703-5		Jack, Angle	F	Nickel	3.440	2.490			74	3-499			5
7702-10		Jack, Angle, Bulkhd, Rear Mt	F	Nickel	3.440	2.490	0.250		70	3-499		AG	6
7702-11		Jack, Angle, Bulkhd, Rear Mt	F	Nickel	3.440	2.490	0.250		73	3-499		AG	6
7702-12		Jack, Angle, Bulkhd, Rear Mt	F	Nickel	3.440	2.490	0.250		74	3-499		AG	6
7702-4		Jack, Bulkhd, Front Mt	F	Nickel	4.000	1.480			70	KAI-8010	KTH-2040	AH	7
7702-5		Jack, Bulkhd, Front Mt	F	Nickel	4.000	1.480			73	KAI-8010	KTH-2002	AH	7
7702-6		Jack, Bulkhd, Front Mt	F	Nickel	4.000	1.480			74	KAI-8010	KTH-2041	AH	7
7702-13		Jack, Bulkhd, Front Mt	F	Nickel	4.000	1.480			76	KAI-8010	KTH-2002	AH	7
7702-17		Jack, Bulkhd, Front Mt	F	Nickel	4.000	1.480			78	KAI-8010	KTH-2002	AH	7
7702-15		Jack, Bulkhd, Front Mt	F	Nickel	4.000	1.480			79	KAI-8011	KTH-2040	AH	7
7702-7		Jack, Bulkhd, Rear Mt	F	Nickel	4.000	1.500	1.830		70	KAI-8010	KTH-2040	AH	8
7702-8		Jack, Bulkhd, Rear Mt	F	Nickel	4.000	1.500	1.830		73	KAI-8010	KTH-2002	AH	8
7702-9		Jack, Bulkhd, Rear Mt	F	Nickel	4.000	1.500	1.830		74	KAI-8010	KTH-2041	AH	8
KP-8021-767-400		Jack, Bulkhd, Rear Mt	F	Nickel	4.000	1.500	1.830		76	KAI-8010	KTH-2002	AH	8

ADAPTERS

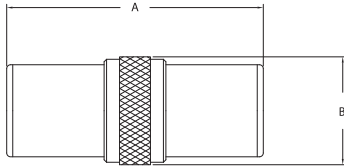


FIGURE 9

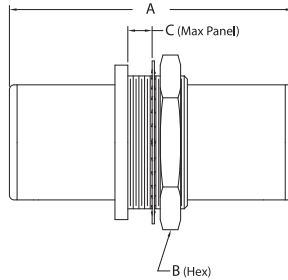


FIGURE 10

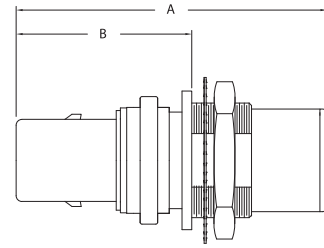


FIGURE 11

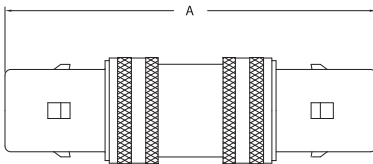


FIGURE 12

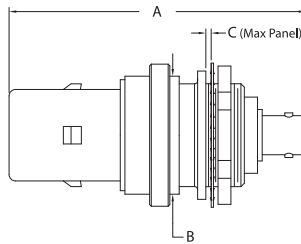


FIGURE 13

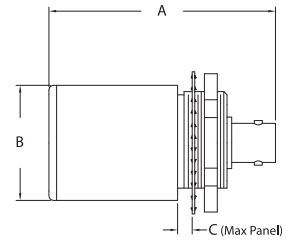


FIGURE 14

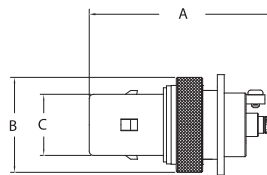
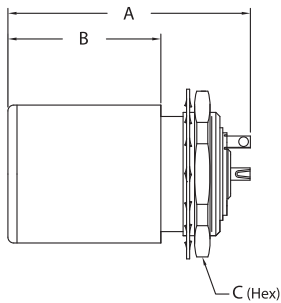


FIGURE 15

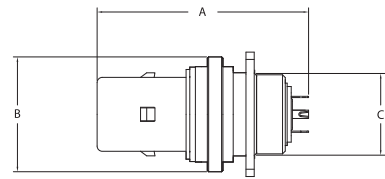
Item Number	Military PN	Product Description	Gender	Finish	Dimensions				Cable Group	Cable Procedure	Crimp Die	Mounting Hole	Figure #
					A	B	C	D					
7709-1		Adapter, Jack-Jack	F-F	Nickel	2.750	1.260							9
7709-2		Adapter, Jack-Jack, Blkhd	F-F	Nickel	2.750	1.500	0.250					AG	10
7709-3		Adapter, Jack-Jack, Blkhd	F-F	Nickel	2.750	1.500	0.250					AH	10
7709-5		Adapter, Jack-Plug, Blkhd	F-M	Nickel	3.350	1.950						AH	11
7709-6		Adapter, Plug-Plug	M-M	Nickel	4.000								12
KP-8001-001-012		Adapter, Bulkhd, Tri-Loc® to BNC	TLOC(M)-BNC(F)	Nickel	2.880	1.120	0.233					AD	13
KP-8001-002-012		Adapter, Bulkhd, Tri-Loc® to BNC	TLOC(M)-BNC(F)	Nickel	2.880	1.120	0.233					AE	13
KP-8002-002-012		Adapter, Bulkhd, Tri-Loc® to BNC	TLOC(F)-BNC(F)	Nickel	2.150	1.120	0.318					AE	14
7709-8		Adapter, Panel, Tri-Loc® to SMB	TLOC(M)-SMB (F)	Nickel	2.690	1.380	0.890					AJ	15

**BULKHEAD RECEPTACLE  
FRONT MOUNT**



**FIGURE 16**

**PANEL RECEPTACLE  
FRONT MOUNT**



**FIGURE 17**

**RETRO-FIT KITS, INSPECTION GAUGES**

Item Number	Military PN	Product Description	Gender	Finish	Dimensions				Cable Group	Cable Procedure	Crimp Die	Mounting Hole	Figure #
					A	B	C	D					
7704-1		Receptacle, Bulkhd, Front Mt	F	Nickel	1.970	1.250	1.250			SOLDER		AD	16
7704-2		Receptacle, Bulkhd, Front Mt	F	Nickel	1.970	1.250	1.250			SOLDER		AE	16
7704-3		Receptacle, Bulkhd, Front Mt	F	Nickel	1.970	1.250	1.250			SOLDER		AF	16
7704-4		Receptacle, Bulkhd, Front Mt	F	Nickel	1.970	1.250	1.250			SOLDER		AC	16
7704-5		Receptacle, Bulkhd, Front Mt	M	Nickel	2.570	1.500	1.250			SOLDER		AD	16
7704-6		Receptacle, Bulkhd, Front Mt	M	Nickel	2.570	1.500	1.250			SOLDER		AE	16
7704-7		Receptacle, Bulkhd, Front Mt	M	Nickel	2.570	1.500	1.250			SOLDER		AF	16
7704-8		Receptacle, Bulkhd, Front Mt	M	Nickel	2.570	1.500	1.250			SOLDER		AC	16
7704-9		Receptacle, Bulkhd, Front Mt	F	Nickel	2.570	1.378	1.000			SOLDER		AI	16
7707-1		Receptacle, Panel	F	Nickel	2.570	1.380	0.980			SOLDER		AK	17
7708-4		Retrofit Kit, Standard Female, CG 70	F						70		KTH-2040		
7708-5		Retrofit Kit, Standard Female, CG 73/76/78	F						73/76/78		KTH-2002		
7708-6		Retrofit Kit, Standard Female, CG 74	F						74		KTH-2041		
7708-7		Retrofit Kit, Standard Female, CG 79	F						79		KTH-2040		
7708-12		Retrofit Kit, Standard Female, CG 80	F						80		KTH-2012		
7708-1		Retrofit Kit, Standard Male, CG 70	M						70		KTH-2040		
7708-8		Retrofit Kit, Standard Male, CG 79	M						79		KTH-2040		
7708-2		Retrofit Kit, Standard Male, CG 73/76/78	M						73/76/78		KTH-2002		
7708-3		Retrofit Kit, Standard Male, CG 74	M						74		KTH-2041		
7708-11		Retrofit Kit, Standard Male, CG 80	M						80		KTH-2012		
KP-8000-063		Gauge, Inner Body to Center Conductor (F)	F										
KP-8000-061		Gauge, Inner Body to Center Conductor (M)	M										
KP-8000-062		Gauge, Inner Body to Outer Body (F)	F										
KP-8000-060		Gauge, Inner Body to Outer Body (M)	M										