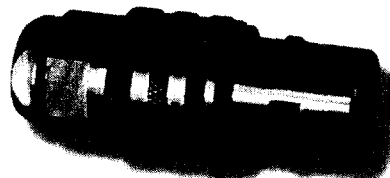




Standard Tri-Loc® Connectors

Two Crimp Procedure



Lo-Pro Tri-Loc® Connectors

Full Crimp Procedure

SPECIFICATIONS

Electrical, Environmental & Mechanical:

Impedance: 75 ohms
 Operating Frequency: DC to 500 MHz
 Return Loss: <-35 dB
 Contact Resistance: Center Contacts: < 1.0 milliohm
 Intermediate Contact: < 0.2 milliohm
 Voltage Breakdown: Center Conductor/Intermediate Contact:
 1500 V rms
 Intermediate Contact/Outer Ground:
 500 V rms
 Altitude: 0 - 10,000 feet
 Operating Temperature: -20° C to +70° C
 Cable Retention: 140 lbs. min. for 1/2" dia. cable
 100 lbs. min. for 3/8" dia. cable

Materials:

Gaskets & Seals: Silicone Rubber
 Insulators: Teflon®
 Spring Members: Beryllium copper
 Balance of Metal Components: Brass

Finish:

Center Contact: Gold over Nickel
 Balance of Metal Components: King's tarnish resistant finish TR-5®

Tri-Loc Cable Guide

Cable Group	Belden	CommScope	Mohawk-CDT	Gepco	Center Conductor O.D.	Core O.D.	Inner Braid O.D.	Inner Jacket O.D.	Outer Braid O.D.	Outer Jacket O.D.
70	8233	7820 7827	M50451	VT61811PE VT61811	#14 AWG Solid .064	.285 Foam PE	.315	.365 PE	.395	.475 PE
73	1856A 1857A 9267	7811 7812 7814	M80248	LVT61859 VT61859	#20 AWG Solid .032	.146	.176	.216 PE	.250	.360 NEOP.
74	1858A 9192 9232	7825 7826	M52479	LVT61811	#14 AWG Stranded .064	.312 Foam PE	.342	.392 PE	.422	.520 NEOP.
76	8232 8232A	7810	M50450		#20 AWG Solid .032	.143 ± .004 Foam PE	.176	.226 ± .005 PE	.256	.315 ± .007 PE
78	88232		M50609		#20 AWG Solid .032	.140 Foam	.168	.188	.216	.246
79	1859A				#14 AWG Stranded .064	.285 Foam PE	.313	.350 Solef	.378	.410 Solef
80	7784A		M56301	VT61811PE VT61811	.055 (1.4mm) Stranded	.236 (6.0mm) Foam PE	.284 (7.2mm)	3.44 (8.7mm) PVC	.371 (9.4mm)	.443 (11.0mm)

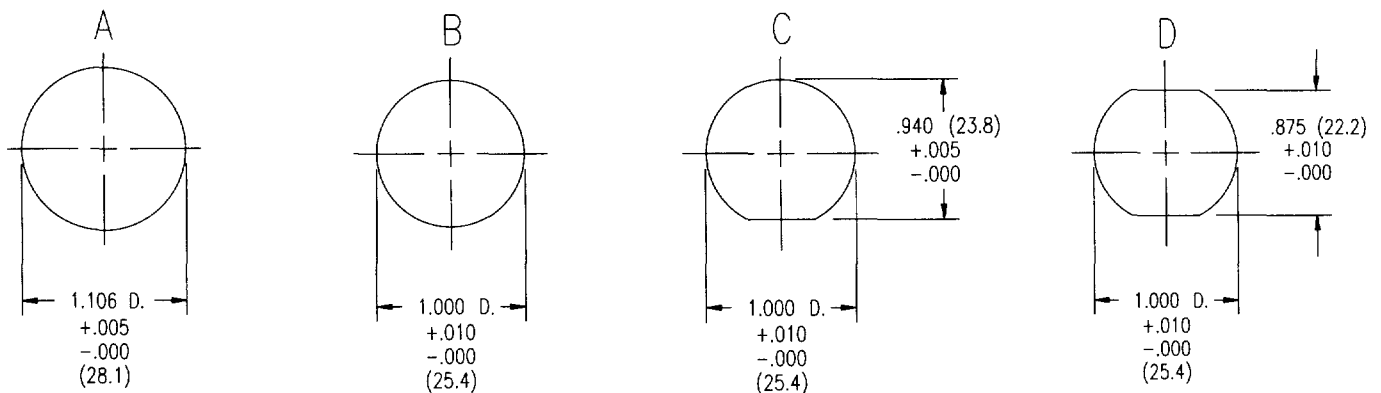
Reference Chart

Figure Number	Cable Group	Serial Digital Part Number	Description	Retro Fit Kit Part Number	Mounting Hole	Crimp Die	Cable Procedures
1	70	7705-1	Standard Plug	7708-1	-	KTH-2040	KAI-8010
1	73	7705-2	Standard Plug	7708-2	-	KTH-2002	KAI-8010
1	74	7705-3	Standard Plug	7708-3	-	KTH-2041	KAI-8010
1	76	7705-9	Standard Plug	7708-2	-	KTH-2002	KAI-8010
1	78	7705-4	Standard Plug	7708-2	-	KTH-2002	KAI-8010
1	79	7705-6	Standard Plug	7708-8	-	KTH-2040	KAI-8011
1	80	7705-5	Standard Plug	7708-11	-	KTH-2012	KAI-8010
2	73	7705-11	Lo-Pro Plug	7708-16	-	①	3-651
2	74	7705-10	Lo-Pro Plug	7708-14	-	②	3-651
3	70	7703-1	Standard Jack	7708-4	-	KTH-2040	KAI-8010
3	73	7703-2	Standard Jack	7708-5	-	KTH-2002	KAI-8010
3	74	7703-3	Standard Jack	7708-6	-	KTH-2041	KAI-8010
3	76	7703-9	Standard Jack	7708-5	-	KTH-2002	KAI-8010
3	78	7703-6	Standard Jack	7708-5	-	KTH-2002	KAI-8010
3	79	7703-8	Standard Jack	7708-7	-	KTH-2040	KAI-8011
3	80	7703-7	Standard Jack	7708-12	-	KTH-2012	KAI-8010
4	73	7703-11	Lo-Pro Jack	7708-15	-	①	3-651
4	74	7703-10	Lo-Pro Jack	7708-13	-	②	3-651
5	70	7702-1	Bulkhead Plug, Front Mount	7708-1	F	KTH-2040	KAI-8010
5	73	7702-2	Bulkhead Plug, Front Mount	7708-2	F	KTH-2002	KAI-8010
5	74	7702-3	Bulkhead Plug, Front Mount	7708-3	F	KTH-2041	KAI-8010
5	76	KP-8012-767-400	Bulkhead Plug, Front Mount	7708-2	F	KTH-2002	KAI-8010
5	79	7702-14	Bulkhead Plug, Front Mount	7708-8	F	KTH-2040	KAI-8011
6	70	7702-7	Bulkhead Jack, Rear Mount	7708-4	F	KTH-2040	KAI-8010
6	73	7702-8	Bulkhead Jack, Rear Mount	7708-5	F	KTH-2002	KAI-8010
6	74	7702-9	Bulkhead Jack, Rear Mount	7708-6	F	KTH-2041	KAI-8010
6	76	KP-8021-767-400	Bulkhead Jack, Rear Mount	7708-5	F	KTH-2002	KAI-8010

① Use Die Sets KTH-2252 and KTH-2002.

② Use Die Sets KTH-2041 and KTH-2248.

MOUNTING HOLES

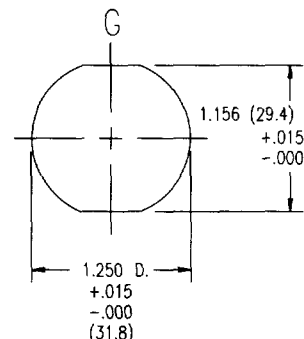
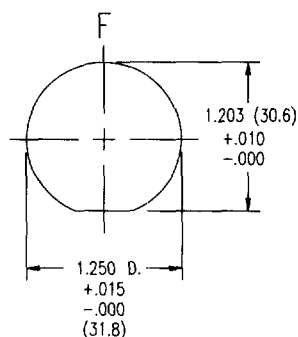
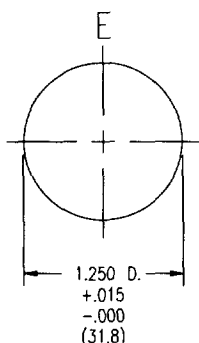


Reference Chart on page 27 for Cable Group Listing.

Reference Chart on page 50 for Die Set Dimensions.

Figure Number	Cable Group	Serial Digital Part Number	Description	Retro Fit Kit Part Number	Mounting Hole	Crimp Die	Cable Procedures
7	70	7702-4	Bulkhead Jack, Front Mount	7708-4	F	KTH-2040	KAI-8010
7	73	7702-5	Bulkhead Jack, Front Mount	7708-5	F	KTH-2002	KAI-8010
7	74	7702-6	Bulkhead Jack, Front Mount	7708-6	F	KTH-2041	KAI-8010
7	76	7702-13	Bulkhead Jack, Front Mount	7708-5	F	KTH-2002	KAI-8010
7	78	7702-17	Bulkhead Jack, Front Mount	7708-5	F	KTH-2002	KAI-8010
7	79	7702-15	Bulkhead Jack, Front Mount	7708-7	F	KTH-2040	KAI-8011
8	73	7706-1	Angle Plug	-	-	Solder	3-499
8	74	7706-2	Angle Plug	-	-	Solder	3-499
9	73	7703-4	Angle Jack	-	-	Solder	3-499
9	74	7703-5	Angle Jack	-	-	Solder	3-499
10	-	7704-5	Bulkhead Receptacle-Plug, Front Mount	-	B	Solder	-
10	-	7704-6	Bulkhead Receptacle-Plug, Front Mount	-	C	Solder	-
10	-	7704-7	Bulkhead Receptacle-Plug, Front Mount	-	D	Solder	-
10	-	7704-8	Bulkhead Receptacle-Plug, Front Mount	-	A	Solder	-
11	-	7704-1	Bulkhead Receptacle-Jack, Front Mount	-	B	Solder	-
11	-	7704-2	Bulkhead Receptacle-Jack, Front Mount	-	C	Solder	-
11	-	7704-3	Bulkhead Receptacle-Jack, Front Mount	-	D	Solder	-
11	-	7704-4	Bulkhead Receptacle-Jack, Front Mount	-	A	Solder	-
12	ADP	7709-6	Adapter, Plug-Plug	-	-	-	-
13	ADP	7709-1	Adapter, Jack-Jack	-	-	-	-
14	ADP	7709-2	Adapter, Jack-Jack, Bulkhead Mount	-	E	-	-
14	ADP	7709-3	Adapter, Jack-Jack, Bulkhead Mount	-	F	-	-
15	ADP	7709-5	Adapter, Jack-Plug, Bulkhead Mount	-	F	-	-
16	ADP	KP-8001-001-012	Adapter, BNC Jack - Tri-Loc Plug, Bulkhead Mount	-	B	-	-
16	ADP	KP-8001-002-012	Adapter, BNC Jack - Tri-Loc Plug, Bulkhead Mount	-	C	-	-
17	ADP	KP-8002-002-012	Adapter, BNC Jack - Tri-Loc Jack, Bulkhead Mount	-	C	-	-
18	70	7702-10	Angle Bulkhead Jack, Rear Mount	-	E	Solder	3-499
18	73	7702-11	Angle Bulkhead Jack, Rear Mount	-	E	Solder	3-499
18	74	7702-12	Angle Bulkhead Jack, Rear Mount	-	E	Solder	3-499

MOUNTING HOLES



Reference Chart on page 27 for Cable Group Listing.

Reference Chart on page 50 for Die Set Dimensions.

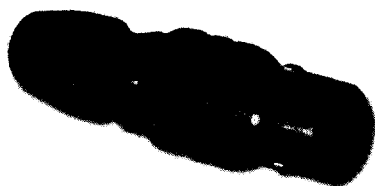


Figure 1 - Standard Plugs
(mountable on Tri-Loc panel mount bracket assemblies 7708-045-2 and 7708-090-2)

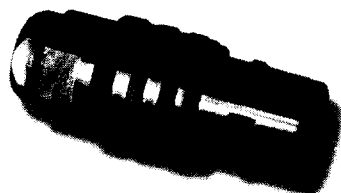
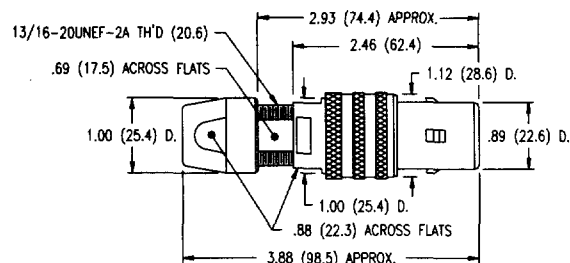


Figure 2 - Lo-Pro Plugs

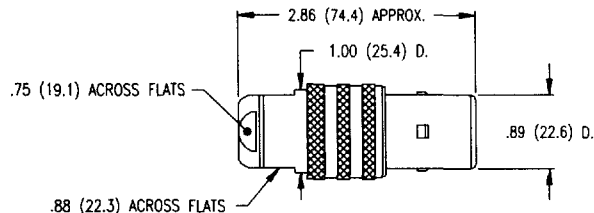


Figure 3 - Standard Jacks
(mountable on Tri-Loc panel mount bracket assemblies 7708-045-1 and 7708-090-1)

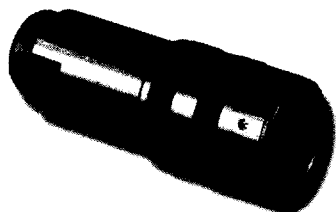
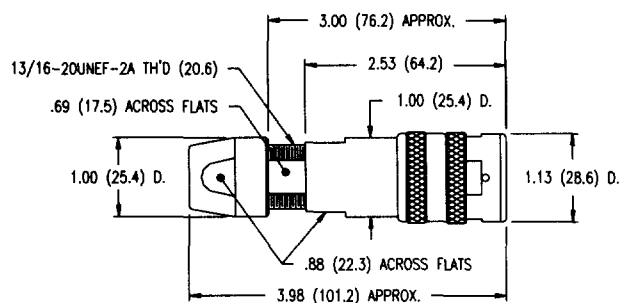
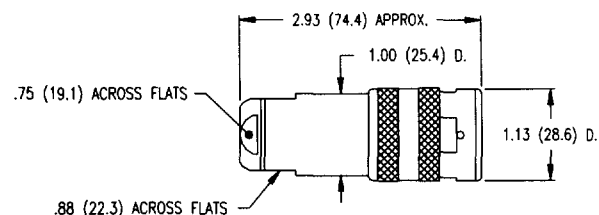


Figure 4 - Lo-Pro Jacks
(mountable on Tri-Loc panel mount bracket assemblies 7708-045-1 and 7708-090-1)



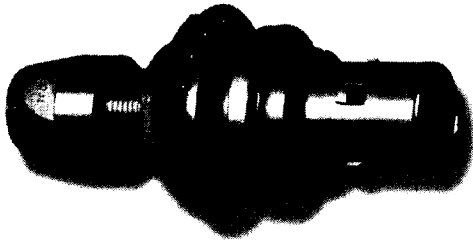


Figure 5 - Bulkhead Plugs, Front Mount

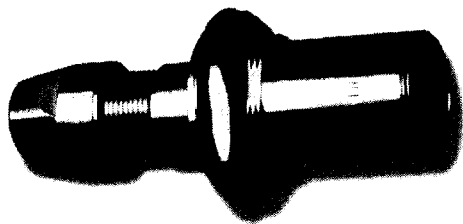
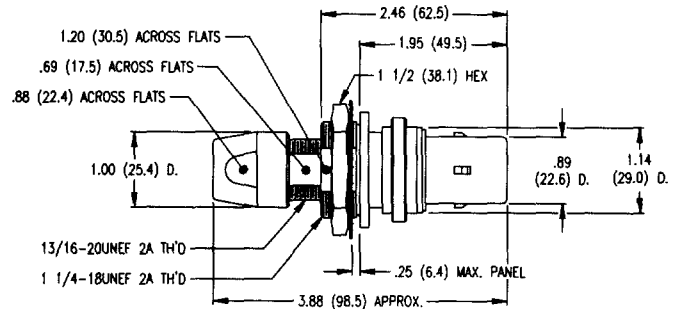


Figure 6 - Bulkhead Jacks, Rear Mount

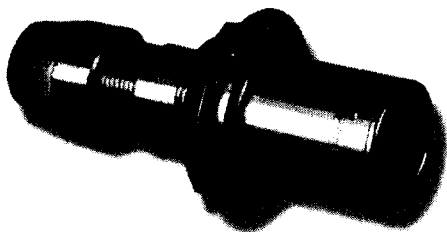
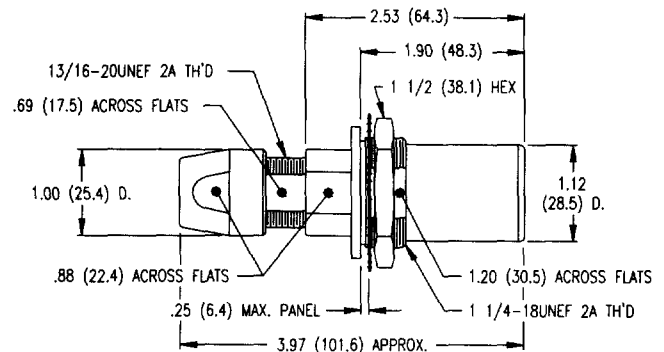
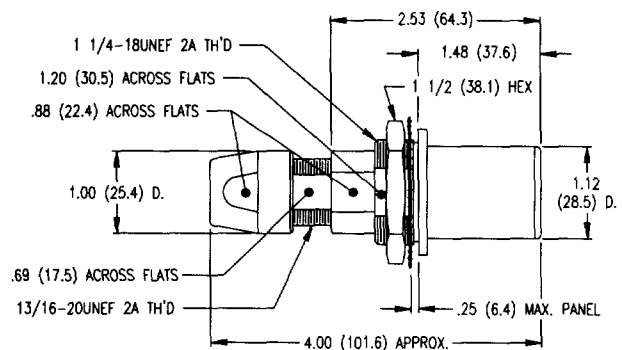


Figure 7 - Bulkhead Jacks, Front Mount



Angle Plugs and Jacks Bulkhead Mounted Receptacles

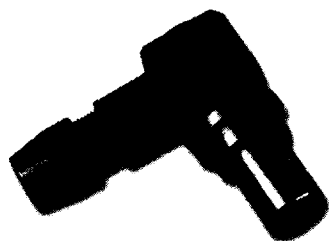


Figure 8 - Angle Plugs

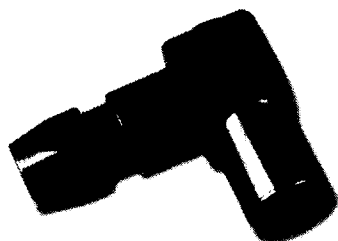
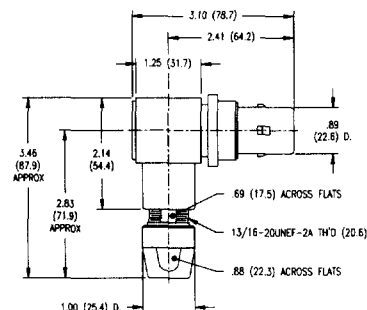


Figure 9 - Angle Jacks

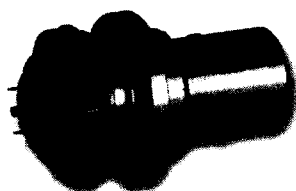
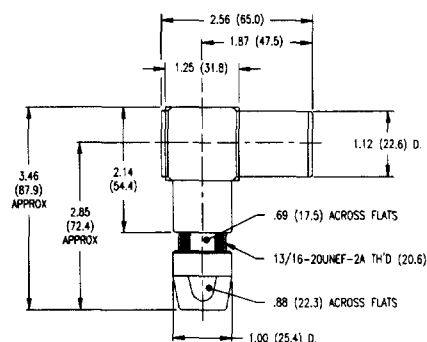


Figure 10 - Bulkhead Receptacles
Plug - Front Mount

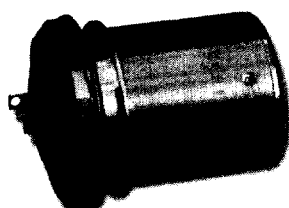
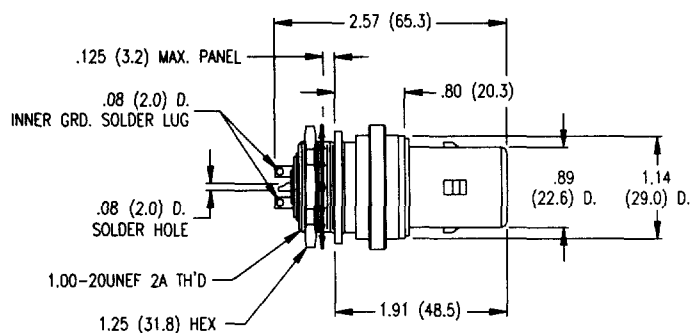
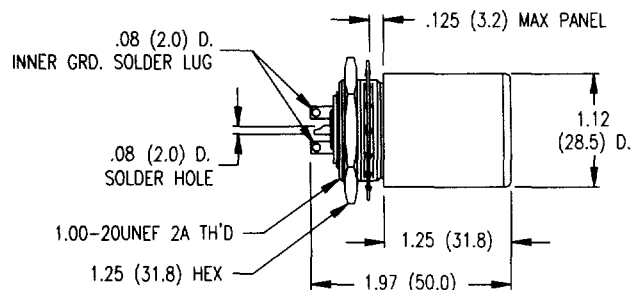


Figure 11 - Bulkhead Receptacles
Jack - Front Mount



Reference charts on pages 27, 28 and 29 for match to cable group and figures.

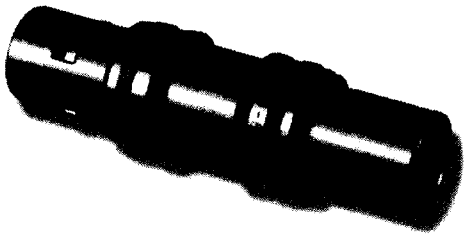


Figure 12 - Adapter, Plug-Plug

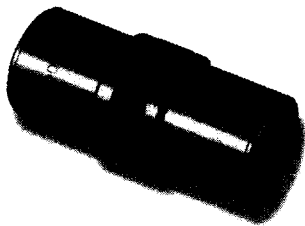
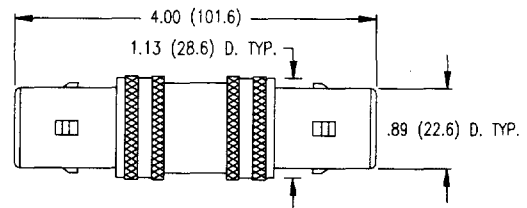


Figure 13 - Adapter, Jack-Jack

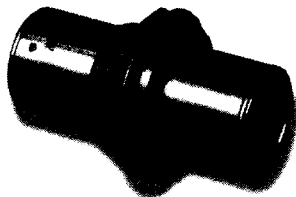
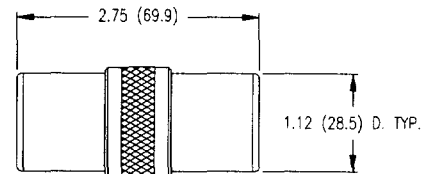


Figure 14 - Adapter, Jack-Jack Bulkhead Mount

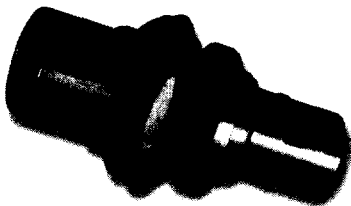
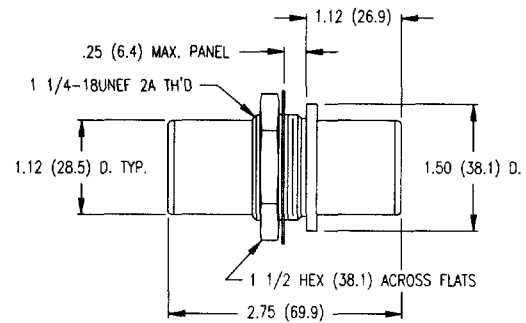
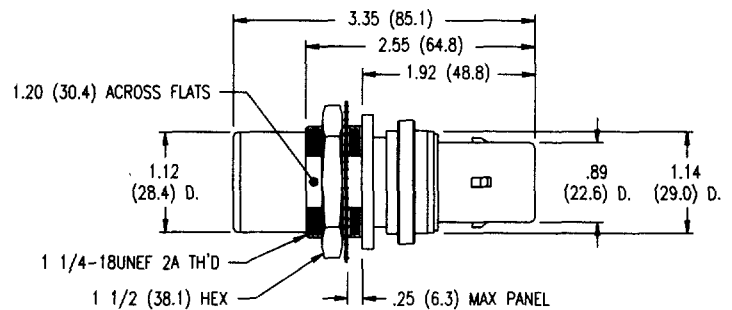


Figure 15 - Adapter, Jack-Plug Bulkhead Mount



Reference charts on pages 27, 28 and 29 for match to cable group and figures.

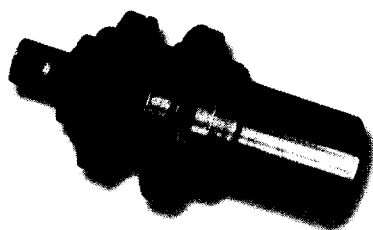


Figure 16 - Adapter
BNC Jack - Tri-Loc Plug, Bulkhead Mount

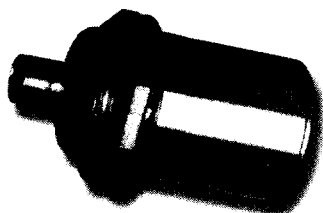
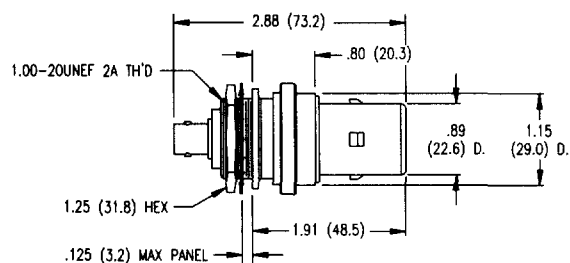


Figure 17 - Adapter
BNC Jack - Tri-Loc Jack, Bulkhead Mount

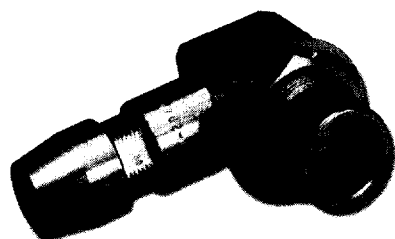
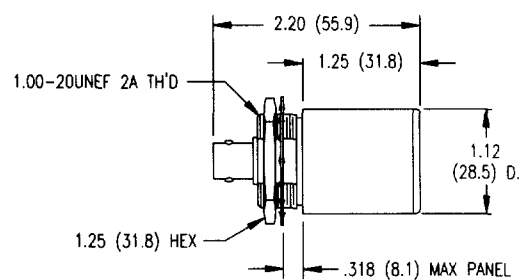


Figure 18 - Angle Bulkhead Jacks,
Rear Mount

