

TABLE 1						
DASH NO	CABLES ACCOMMODATED	A DIM	B DIM	C FLATS	D FLATS	E DIA
-7	TRC-50-2 TRC-75-2	1.135	.096	.438	.438	.500
-8	8227, BELDEN	1.716	.130	.625	.688	.750
-9	TWC-78-2 TWC-124-2	1.135	.096	.438	.438	.500
-A9	BL782, TIMES BL982, TIMES BL1242, TIMES	1.135	.096	.438	.438	.500
-10	RG-22 754E, AT&T	1.135	.096	.438	.438	.500
-11	760A, AT&T	1.135	.096	.438	.438	.500
-12	16PEVL, AT&T VI-AL, GENERAL	1.716	.130	.625	.688	.750
-13	TRF-59, TIMES	1.716	.130	.625	.688	.750
-13A	8232, BELDEN	1.716	.130	.625	.688	.750
-14	8233, BELDEN	1.716	.130	.625	.688	.750
-23	250-3884, MICRODOT	1.135	.096	.438	.438	.500
-24	202-3934, MICRODOT	1.135	.096	.438	.438	.500
-24A	9530A5117, RAYCHEM	1.135	.096	.438	.438	.500
-25	T-43M, GENERAL	1.135	.096	.438	.438	.500
-25A	5021H5331, RAYCHEM	1.135	.096	.438	.438	.500
-26	7028A5518, RAYCHEM	1.135	.096	.438	.438	.500
-27	T19TPSJ2619EN, WOVEN 202-3927, MICRODOT 202-3942, MICRODOT	1.135	.096	.438	.438	.500
-29	TWC-78-1/TWC-124-1A	1.135	.096	.438	.438	.500
-30	761A, AT&T 8441, BELDEN	1.135	.096	.438	.438	.500
-32	TRC-50-1	1.135	.096	.438	.438	.500
-33	TRC-75-1	1.135	.096	.438	.438	.500
-42	21-204, ESSEX 4463, CONSOLIDATED	1.135	.096	.438	.438	.500
-43	250-4044/250-4045 293-3930, MICRODOT	1.135	.096	.438	.438	.500
-45	M27500-22TE2T14 1100-66F, STANDARD	1.135	.096	.438	.438	.500
-46	9860, BELDEN	1.716	.130	.625	.688	.750
-47	M17/176-00002	1.135	.096	.438	.438	.500
-49	TWAC-78-1F2	1.716	.130	.625	.688	.750
-54	89207, BELDEN	1.716	.130	.625	.688	.750
-55	89272, BELDEN	1.716	.130	.625	.688	.750
-56	GC875GCI, GRUMMAN	1.135	.096	.438	.438	.500
-57	GC875GBI, GRUMMAN	1.135	.096	.438	.438	.500
-58	GC875TM24H, GRUMMAN	1.135	.096	.438	.438	.500
-59	GC875LNI, GRUMMAN	1.135	.096	.438	.438	.500
-60	M17/177, THERMATICS 380-10045, BOEING	1.135	.096	.438	.438	.500
-64	7528A5314, RAYCHEM	1.135	.096	.438	.438	.500

TABLE 2		
MILITARY PART NO (PIN)	MILITARY CABLE PART NO	TROMPETER PART NO (REF ONLY)
M49142/03-0001	M17/134-00001	M310-0002-7
M49142/03-0101	M17/134-00001	M310-0002Y-7
M49142/03-0201	M17/134-00001	M310-0002S-7
M49142/03-0002	M17/134-00002	M310-0002-7
M49142/03-0102	M17/134-00002	M310-0002Y-7
M49142/03-0202	M17/134-00002	M310-0002S-7
M49142/03-0007	M17/45-RG308	M310-0002-9
M49142/03-0107	M17/45-RG308	M310-0002Y-9
M49142/03-0207	M17/45-RG308	M310-0002S-9
M49142/03-0008	M17/176-00002	M310-0002-47
M49142/03-0108	M17/176-00002	M310-0002Y-47
M49142/03-0208	M17/176-00002	M310-0002S-47
M49142/03-0009	M17/177-00002	M310-0002-60
M49142/03-0109	M17/177-00002	M310-0002Y-60
M49142/03-0209	M17/177-00002	M310-0002S-60

TABLE 3 POLARIZATION CHART			
KEYING LETTER	F DEGREES	G DEGREES	H DEGREES
NONE	120°	120°	120°
T	100°	150°	110°
U	120°	130°	110°
V	115°	130°	115°
W	125°	110°	125°
X	130°	100°	130°
Y	110°	140°	110°
Z	100°	160°	100°
S	135°	135°	90°

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REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
D	REVISED PER ECO 15371	3/25/04	WJ

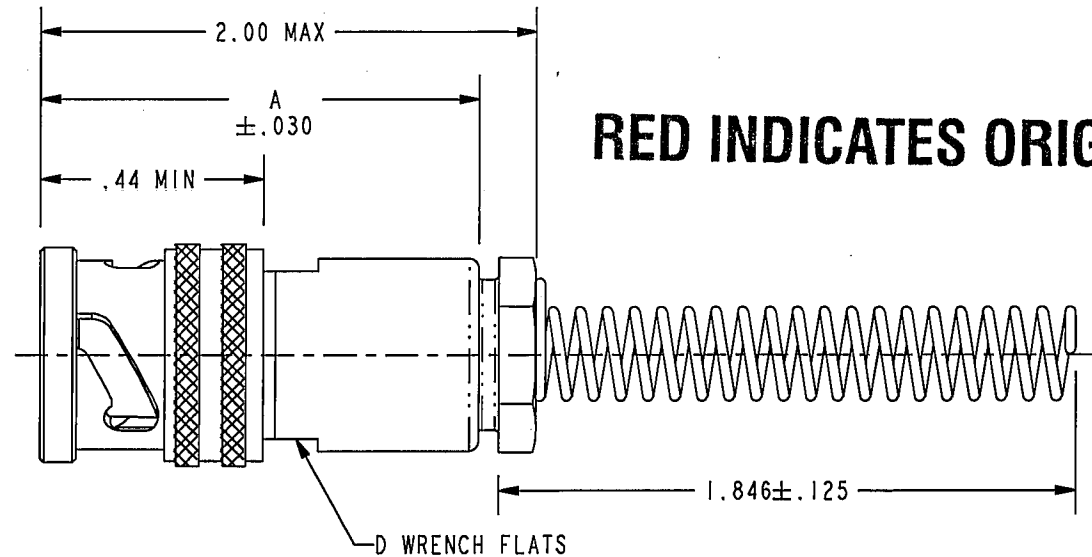
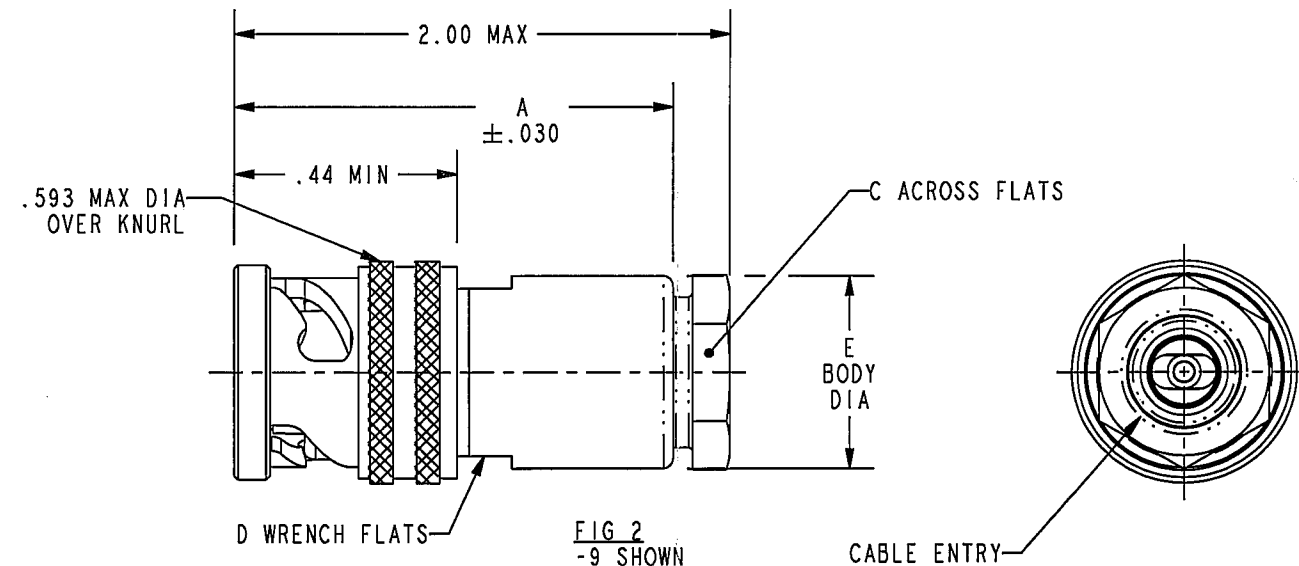
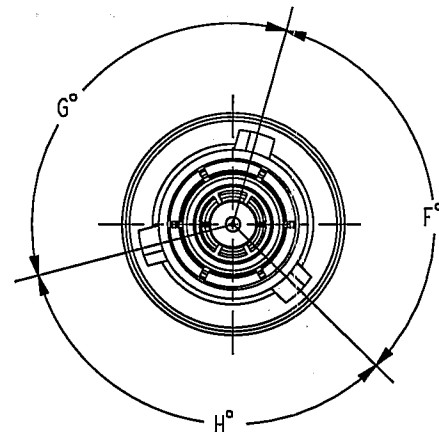


FIG 1
-9 SHOWN

CABLE ENTRY DIA TABLE			
DASH NO	ENTRY DIA	DASH NO	ENTRY DIA
-7	.274	-30	.235
-8	.345	-32	.191
-9	.285	-33	.217
-10	.455	-42	.300
-11	.345	-43	.200
-12	.485	-45	.183
-13	.362	-46	.475
-13A	.352	-47	.164
-14	.510	-49	.132
-23	.183	-54	.323
-24	.191	-55	.250
-24A	.200	-56	.191
-25	.285	-57	.191
-25A	.285	-58	.198
-26	.183	-59	.198
-27	.145	-60	.217
-29	.191	-64	.183



MODEL NO	DASH NO/CABLE GROUP															
PL75 (TWINAX)	-8	-9	-A9	-10	-11	-12	-24	-25	-27	-29	-30	-45	-46	-47	-49	-54
PL75 (TRIAx)	-7	-13	-13A	-14	-23	-24A	-25A	-26	-32	-33	-42	-43	-56	-57	-59	-60
PL75 (QUADRAx)	-58															

IF BEND RELIEF SPRING IS REQUIRED (SEE FIG 1) ADD SUFFIX "BR" TO PART NO (NOT AVAILABLE WITH CABLE GROUPS -8, -10, -11, -12, -13, -13A, -14, -46, & -54)

5. EXAMPLE OF COMPLETE PART NUMBER:

305-1240 T - 47
BASIC PART NUMBER
POLARIZATION LETTER
NONE REQUIRED FOR STANDARD POLARIZATION (SEE TABLE 3)
DASH NUMBER (CABLE GROUP, TABLE 1)

CLAMP NUT OMITTED

3. CONCENTRIC TWINAX/TRIAx 3-LUG TRB CABLE PLUG

2. FINISH: TFS-1A (NICKEL)

1. ALL DIM ARE IN INCHES

NOTES: UNLESS OTHERWISE SPECIFIED.

CHECK WITH CABLE MANUFACTURER FOR OUTGASSING PROPERTIES OF THE SELECTED CABLE

8. ALL MATERIALS MEET THE OUTGASSING REQUIRMENTS OF NASA SPECIFICATION SP-R-0022A AND TEI VACUUM READY SPECIFICATION TT-09

WHEN CONNECTOR IS SUPPLIED TO MILITARY PART NO. (SEE TABLE 2):

- ALL PARTS NORMALLY PLATED TFS-1A OR TFS-1U (NICKEL) ARE TO BE PLATED TFS-1M (SILVER)
- MARK PART WITH MILITARY PIN (SEE TABLE 2) AND "14949"
- QUALITY CONFORMANCE INSPECTION SHALL BE PER MIL-C-49142 SECTION 4.51

INTERPRET DRAWING PER MIL-STD-100. DIMENSIONS ARE IN INCHES AND INCLUDE FINISH THICKNESS UNLESS OTHERWISE SPECIFIED

TOL: UNLESS SPECIFIED
.XX ± .02
.XXX ± .010
ANGLE ± 1°

TROMPETER
ELECTRONICS, INC.

TITLE:
PL75/T/U/V/
W/X/Y/Z/S/BR
VACUUM READY

SEE SHT 3	PROJ FILE NO 305-1240	DO NOT SCALE DWG	SCALE 2/1	DATE 7-31-98	SHEET 1C
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