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| REVISONS |                       | 3-0043 | SH 1                       |
|----------|-----------------------|--------|----------------------------|
| REV      | DESCRIPTION           | DWN    | APPROVED                   |
| W        | REVISED PER ECD 16419 | L.M.   | <i>MMUC</i> <i>8/22/80</i> |

| DASH NO | CABLES ACCOMMODATED   | A DIM | B DIM | C HEX | D FLATS | E DIA | F DIA MAX | CABLE ENTRY DIA | ASSEMBLE PER |
|---------|---|-------|-------|-------|---------|-------|-----------|-----------------|--------------|
| -7      | TRC-50-2<br>TRC-75-2  | 1.314 | .096  | .438  | .500    | .500  | .593      | .274            | TAI-189      |
| -8      | 8227 BELDEN   | 1.648 | .130  | .625  | .688    | .750  | .775      | .345            | TAI-103      |
| -9      | TWC-78-2<br>TWC-124-2   | 1.314 | .096  | .438  | .500    | .500  | .593      | .285            | TAI-102      |
| -10     | RG-22<br>754E W.E.CO.   | 1.648 | .130  | .625  | .688    | .750  | .775      | .455            | TAI-103      |
| -11     | 760A W.E.CO.  |       |       |       |         |       |           | .347            |              |
| -12     | 16 PEVL W.E.CO.<br>VI-AL GENERAL                              | 1.314 | .096  | .438  | .500    | .500  | .593      | .485            | TAI-128      |
| -13     | TRF-59 TIMES  |       |       |       |         |       |           | .362            |              |
| -13A    | 8232 BELDEN   | 1.648 | .130  | .625  | .688    | .750  | .775      | .352            | TAI-165      |
| -14     | 8233 BELDEN   |       |       |       |         |       |           | .490            |              |
| -23     | 250-3884 MICRODOT   | 1.314 | .096  | .438  | .500    | .500  | .593      | .183            | TAI-189      |
| -24     | 202-3934 MICRODOT   |       |       |       |         |       |           | .191            |              |
| -24A    | 9530A5117 RAYCHEM   | 1.648 | .130  | .625  | .688    | .750  | .775      | .200            | TAI-189      |
| -25     | T-43M GENERAL   |       |       |       |         |       |           | .285            |              |
| -25A    | 5021H5331 RAYCHEM   | 1.314 | .096  | .438  | .500    | .500  | .593      | .191            | TAI-189      |
| -26     | 7028A5518 RAYCHEM   |       |       |       |         |       |           | .145            |              |
| -27     | T19TPSJ2619EN WOVEN<br>202-3927 MICRODOT<br>202-3942 MICRODOT | 1.648 | .130  | .625  | .688    | .750  | .775      | .235            | TAI-102      |
| -29     | TWC-78-1/TWC-124-1A   |       |       |       |         |       |           | .191            |              |
| -30     | 761A W.E.CO.<br>8441 BELDEN                                   | 1.314 | .096  | .438  | .500    | .500  | .593      | .217            | TAI-189      |
| -32     | TRC-50-1  |       |       |       |         |       |           | .300            |              |
| -33     | TRC-75-1  | 1.648 | .130  | .625  | .688    | .750  | .775      | .200            | TAI-102      |
| -42     | 21-204 ESSEX<br>4463 CONSOLIDATED                             |       |       |       |         |       |           | .183            |              |
| -43     | 250-4044/250-4045<br>293-3930 MICRODOT                        | 1.314 | .096  | .438  | .500    | .500  | .593      | .475            | TAI-103      |
| -45     | M27500-22TE2T14<br>1100-66F STANDARD                          |       |       |       |         |       |           | .164            |              |
| -46     | 9860 BELDEN   | 1.648 | .130  | .625  | .688    | .750  | .775      | .132            | TAI-102      |
| -47     | M17/176-00002   |       |       |       |         |       |           | .323            |              |
| -49     | TWC-78-1F2  | 1.314 | .096  | .438  | .500    | .500  | .593      | .250            | TAI-103      |
| -54     | 89207 BELDEN  |       |       |       |         |       |           | .191            |              |
| -55     | 89272 BELDEN  | 1.648 | .130  | .625  | .688    | .750  | .775      | .198            | TAI-189      |
| -56     | GC875GC1, GRUMMAN   |       |       |       |         |       |           | .198            |              |
| -57     | GC875GB1, GRUMMAN   | 1.314 | .096  | .438  | .500    | .500  | .593      | .217            | TAI-102      |
| -58     | GC875TM24H, GRUMMAN   |       |       |       |         |       |           | .183            |              |
| -59     | GC875LN1, GRUMMAN   | 1.648 | .130  | .625  | .688    | .750  | .775      | .191            | TAI-189      |
| -60     | M17/177 THERMATICS  |       |       |       |         |       |           | .191            |              |
| -64     | 380-10045 BOEING  | 1.314 | .096  | .438  | .500    | .500  | .593      | .183            | TAI-189      |
| -64     | 7528A5314, RAYCHEM  |       |       |       |         |       |           | .183            |              |

| MILITARY PART NO (PIN) | MILITARY CABLE PART NO | TROMPETER P/N (REF ONLY) / S |
|------------------------|------------------------|------------------------------|
| M49142/06-0001         | M17/134-00001          | M3-0043-7                    |
| M49142/06-0101         | M17/134-00001          | M3-0043Y-7                   |
| M49142/06-0201         | M17/134-00001          | M3-0043S-7                   |
| M49142/06-0002         | M17/134-00002          | M3-0043-7                    |
| M49142/06-0102         | M17/134-00002          | M3-0043Y-7                   |
| M49142/06-0202         | M17/134-00002          | M3-0043S-7                   |
| M49142/06-0007         | M17/176-00002          | M3-0043-47                   |
| M49142/06-0107         | M17/176-00002          | M3-0043Y-47                  |
| M49142/06-0207         | M17/176-00002          | M3-0043S-47                  |
| M49142/06-0008         | M17/176-00002          | M3-0043-9                    |
| M49142/06-0108         | M17/176-00002          | M3-0043Y-9                   |
| M49142/06-0208         | M17/176-00002          | M3-0043S-9                   |
| M49142/06-0009         | M17/177-00002          | M3-0043-60                   |
| M49142/06-0109         | M17/177-00002          | M3-0043Y-60                  |
| M49142/06-0209         | M17/177-00002          | M3-0043S-60                  |

| KEYING LETTER | G DEGREES | H DEGREES | J DEGREES | COLOR BAND |
|---------------|-----------|-----------|-----------|------------|
| NONE          | 120°      | 120°      | 120°      | NONE       |
| T             | 100°      | 150°      | 110°      | RED        |
| U             | 120°      | 130°      | 110°      | ORANGE     |
| V             | 115°      | 130°      | 115°      | YELLOW     |
| W             | 125°      | 110°      | 125°      | GREEN      |
| X             | 130°      | 100°      | 130°      | BLUE       |
| Y             | 110°      | 140°      | 110°      | VIOLET     |
| Z             | 100°      | 160°      | 100°      | GRAY       |
| S             | 135°      | 135°      | 90°       | WHITE      |

FIG 2  
- 9 SHOWN

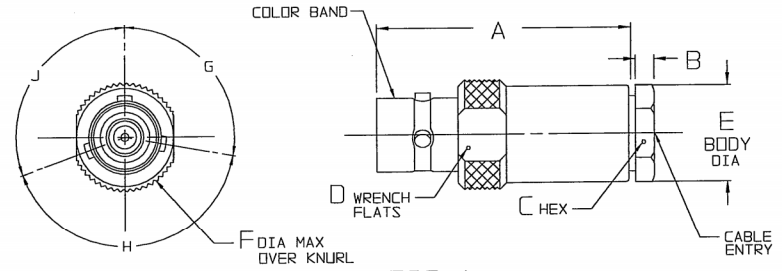
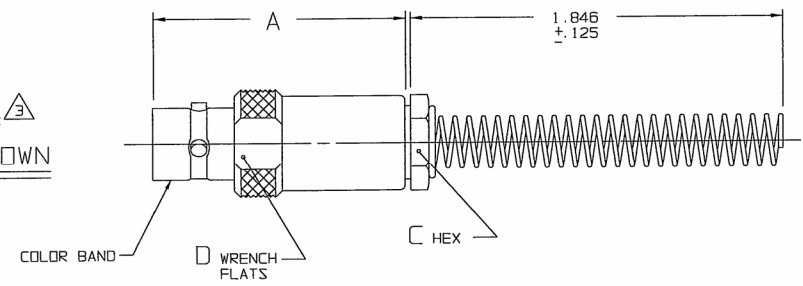
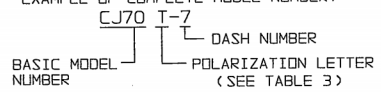


FIG 1  
- 9 SHOWN

**RED INDICATES ORIGINAL**

4. EXAMPLE OF COMPLETE MODEL NUMBER:



△ WHEN CONNECTOR IS SUPPLIED TO MILITARY PART NUMBER (SEE TABLE 2):

- a) ALL PARTS NORMALLY PLATED TFS-1A OR TFS-1U (NICKEL) ARE TO BE PLATED TFS-1M (SILVER)
- b) MARK PART WITH MILITARY PIN (SEE TABLE 2) (NICKEL) AND "14949"
- c) QUALITY CONFORMANCE INSPECTION SHALL BE PER MIL-C-49142 SECTION 4.5

△ FOR BEND RELIEF SPRING (FIG 2) ADD SUFFIX "BR" TO MODEL NO (NOT AVAILABLE WITH CABLE GROUPS -8, -10, -11, -12, -13, -14, -46 AND -54)

2. CONCENTRIC TWINAX/TRIAX TRB CABLE RECEPTACLE

1. FINISH: TFS-1A (NICKEL) △

| QTY       | DESCRIPTION                        | PART NUMBER                 | ITEM                      |
|-----------|------------------------------------|-----------------------------|---------------------------|
| 305-0534  | TOL UNLESS SPECIFIED<br>.XX ± .005 | TROMPETER ELECTRONICS, INC. | CJ70/TU/V/W<br>X/Y/Z/S/BR |
| 305-0522  | .XXX ± .005<br>ANGLES              |                             |                           |
| 305-0521  | DWN L.M. 7-25-07                   | MATERIAL                    | CODE IDENT                |
| 305-0458  | CHK <i>gls 8/21/07</i>             | 14949                       | DRAWING NO.               |
| 305-0419  | ENGR <i>Am 8/21/07</i>             | 3-0043                      | REV                       |
| NEXT ASSY | APPR                               | SCALE 2/1                   | DATE 9/17/80 SHEET 1C     |