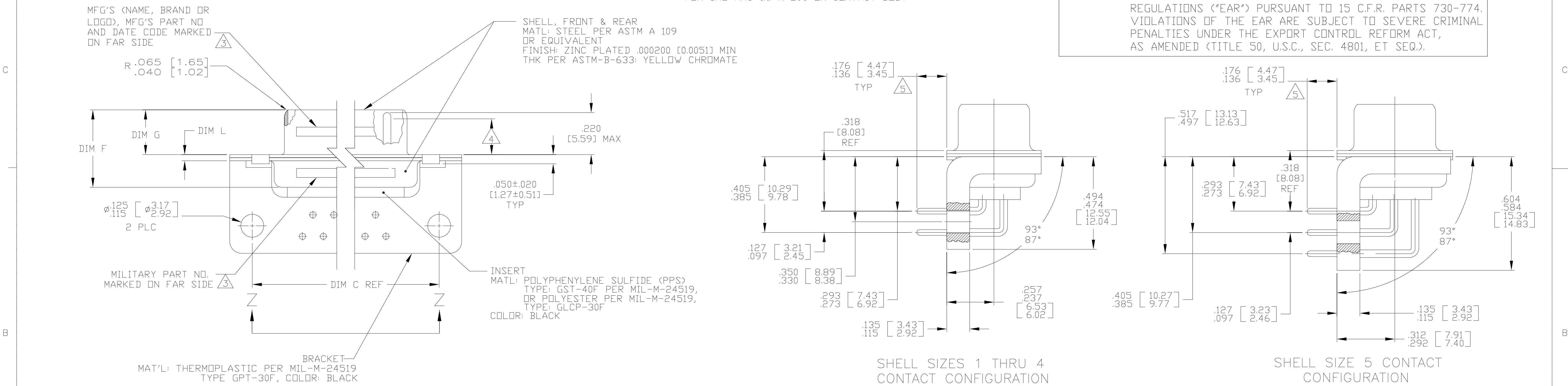
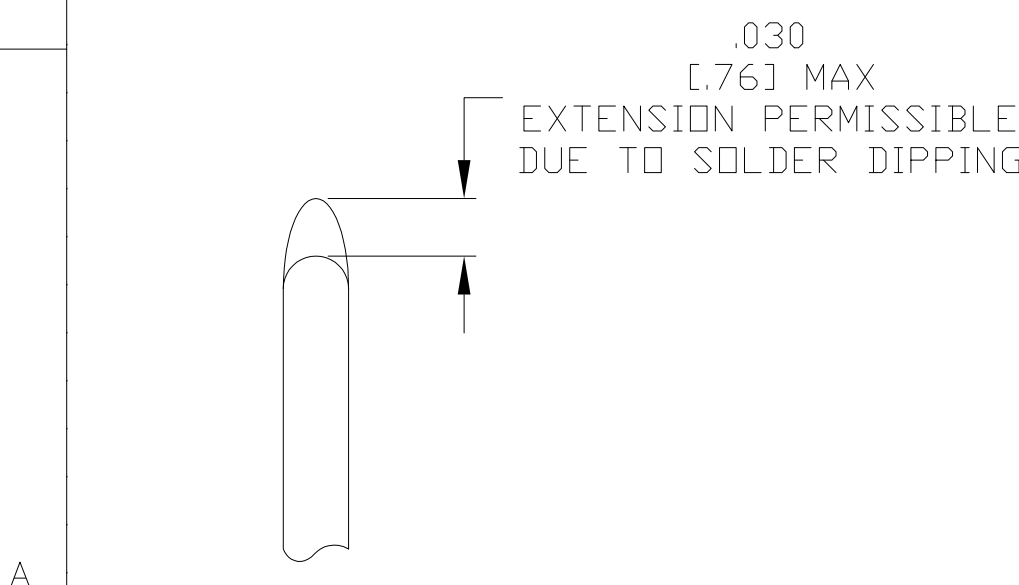


- 1
- SEE SHEET 2 FOR RECOMMENDED P.C. BOARD LAYOUT. TRUE POSITION TOLERANCE FOR P.C.BOARD LAYOUT IS .010 [0.25] AT MAX MATERIAL CONDITION. SUGGESTED BOARD THICKNESS IS .062 [1.57]
2.
- THE CONNECTORS DESCRIBED IN THIS DOCUMENT MEET THE REQUIREMENTS OF MIL-C-24308 AND MATE WITH ANY RECEPTACLE CONNECTOR WITH SAME INSERT ARRANGEMENT.
- 3
- MARKED WITH .047 [1.19]-.062 [1.57] HIGH CHARACTERS. FAR SIDE REFERS TO THE WIDE SIDE OF THE KEYSTONE. NEAR SIDE REFERS TO THE NARROW SIDE OF THE KEYSTONE. IF THE SHELL IS TOO SMALL FOR THE ENTIRE MARKING MARKING SHALL BE SPLIT AS FOLLOWS:  
A. "M24308" ON FRONT SHELL, FAR SIDE.  
B. SLASH SHEET AND DASH NUMBER ON REAR SHELL, FAR SIDE.  
C. "MFG'S" (NAME, BRAND OR LOGO) AND DATE CODE ON FRONT SHELL, NEAR SIDE.  
D. MFG'S PART NUMBER ON REAR SHELL, NEAR SIDE.
- 4
- REQUIREMENT FOR FULL PIN DIAMETER EXTENSION:  
.159 [4.04] MIN, SHELL SIZES 1 AND 2.  
.150 [3.81] MIN, SHELL SIZES 3 AND 4.
- 5
- SOLDER DIPPED PER J-STD-001 WITH Sn63 SOLDER PER J-STD-006 IN THE ENTIRE AREA OF DIMENSION SHOWN. (1757837-6 THRU -10 ONLY.)
6.
- MEETS SOLDERABILITY PER MIL-STD-202 METHOD 208.

WARNING - THIS DOCUMENT CONTAINS TECHNOLOGY WHOSE EXPORT IS RESTRICTED BY THE EXPORT ADMINISTRATION REGULATIONS ("EAR") PURSUANT TO 15 C.F.R. PARTS 730-774. VIOLATIONS OF THE EAR ARE SUBJECT TO SEVERE CRIMINAL PENALTIES UNDER THE EXPORT CONTROL REFORM ACT, AS AMENDED (TITLE 50, U.S.C., SEC. 4801, ET SEQ.).



|          |              |                  |              |                    |                |                    |              |                  |              |                    |              |                    |              |                    |                |                    |                |                    |                |                    |                       |               |               |                              |                                     |                   |   |
|----------|--------------|------------------|--------------|--------------------|----------------|--------------------|--------------|------------------|--------------|--------------------|--------------|--------------------|--------------|--------------------|----------------|--------------------|----------------|--------------------|----------------|--------------------|-----------------------|---------------|---------------|------------------------------|-------------------------------------|-------------------|---|
| OBSOLETE | .049<br>.029 | [ 1.24<br>0.74 ] | .544<br>.524 | [ 13.82<br>13.31 ] | 2.188<br>2.168 | [ 55.58<br>55.07 ] | .236<br>.224 | [ 5.99<br>5.69 ] | .436<br>.416 | [ 11.07<br>10.57 ] | .620<br>.590 | [ 15.75<br>14.99 ] | .446<br>.436 | [ 11.33<br>11.07 ] | 2.411<br>2.401 | [ 61.24<br>60.99 ] | 2.084<br>2.074 | [ 52.55<br>52.30 ] | 2.650<br>2.620 | [ 67.31<br>66.55 ] | MS18277-1             | 50            | 5             | M24308/24-35Z                | 1757837-5                           | 1-1757837-0       | 5 |
| OBSOLETE | .049<br>.029 | [ 1.24<br>0.74 ] | .432<br>.412 | [ 10.97<br>10.46 ] | 2.282<br>2.262 | [ 57.96<br>57.45 ] | .236<br>.224 | [ 5.99<br>5.69 ] | .436<br>.416 | [ 11.07<br>10.57 ] | .509<br>.479 | [ 12.93<br>12.17 ] | .334<br>.324 | [ 8.48<br>8.23 ]   | 2.505<br>2.495 | [ 63.63<br>63.37 ] | 2.187<br>2.177 | [ 54.97<br>54.71 ] | 2.744<br>2.714 | [ 69.70<br>68.94 ] | MS18276-1             | 37            | 4             | M24308/24-34Z                | 1757837-4                           | 1757837-9         | 5 |
| OBSOLETE | .049<br>.029 | [ 1.24<br>0.74 ] | .432<br>.412 | [ 10.97<br>10.46 ] | 1.635<br>1.615 | [ 41.53<br>41.02 ] | .236<br>.224 | [ 5.99<br>5.69 ] | .436<br>.416 | [ 11.07<br>10.57 ] | .509<br>.479 | [ 12.93<br>12.17 ] | .334<br>.324 | [ 8.48<br>8.23 ]   | 1.857<br>1.847 | [ 47.17<br>46.91 ] | 1.539<br>1.529 | [ 38.51<br>38.25 ] | 2.103<br>2.073 | [ 53.42<br>52.65 ] | MS18275-1             | 25            | 3             | M24308/24-33Z                | 1757837-3                           | 1757837-8         | 5 |
| OBSOLETE | .040<br>.020 | [ 1.02<br>0.51 ] | .432<br>.412 | [ 10.97<br>10.46 ] | 1.093<br>1.073 | [ 27.76<br>27.25 ] | .238<br>.229 | [ 6.05<br>5.82 ] | .432<br>.412 | [ 10.97<br>10.46 ] | .509<br>.479 | [ 12.93<br>12.17 ] | .334<br>.324 | [ 8.48<br>8.23 ]   | 1.317<br>1.307 | [ 33.45<br>33.20 ] | .999<br>.989   | [ 24.79<br>24.54 ] | 1.556<br>1.526 | [ 39.52<br>38.76 ] | MS18274-1             | 15            | 2             | M24308/24-32Z                | 1757837-2                           | 1757837-7         | 5 |
| OBSOLETE | .040<br>.020 | [ 1.02<br>0.51 ] | .432<br>.412 | [ 10.97<br>10.46 ] | .769<br>.749   | [ 19.53<br>19.02 ] | .238<br>.229 | [ 6.05<br>5.82 ] | .432<br>.412 | [ 10.97<br>10.46 ] | .509<br>.479 | [ 12.93<br>12.17 ] | .334<br>.324 | [ 8.48<br>8.23 ]   | .989<br>.979   | [ 25.12<br>24.87 ] | .671<br>.661   | [ 16.46<br>16.21 ] | 1.228<br>1.198 | [ 31.19<br>30.43 ] | MS18273-1             | 9             | 1             | M24308/24-31Z                | 1757837-1                           | 1757837-6         | 5 |
|          | .049<br>.029 | [ 1.24<br>0.74 ] | .544<br>.524 | [ 13.82<br>13.31 ] | 2.188<br>2.168 | [ 55.58<br>55.07 ] | .236<br>.224 | [ 5.99<br>5.69 ] | .436<br>.416 | [ 11.07<br>10.57 ] | .620<br>.590 | [ 15.75<br>14.99 ] | .446<br>.436 | [ 11.33<br>11.07 ] | 2.411<br>2.401 | [ 61.24<br>60.99 ] | 2.084<br>2.074 | [ 52.55<br>52.30 ] | 2.650<br>2.620 | [ 67.31<br>66.55 ] | MS18277-1             | 50            | 5             | M24308/24-35Z                | 1757837-5                           | 1757837-5         |   |
|          | .049<br>.029 | [ 1.24<br>0.74 ] | .432<br>.412 | [ 10.97<br>10.46 ] | 2.282<br>2.262 | [ 57.96<br>57.45 ] | .236<br>.224 | [ 5.99<br>5.69 ] | .436<br>.416 | [ 11.07<br>10.57 ] | .509<br>.479 | [ 12.93<br>12.17 ] | .334<br>.324 | [ 8.48<br>8.23 ]   | 2.505<br>2.495 | [ 63.63<br>63.37 ] | 2.187<br>2.177 | [ 54.97<br>54.71 ] | 2.744<br>2.714 | [ 69.70<br>68.94 ] | MS18276-1             | 37            | 4             | M24308/24-34Z                | 1757837-4                           | 1757837-4         |   |
|          | .049<br>.029 | [ 1.24<br>0.74 ] | .432<br>.412 | [ 10.97<br>10.46 ] | 1.635<br>1.615 | [ 41.53<br>41.02 ] | .236<br>.224 | [ 5.99<br>5.69 ] | .436<br>.416 | [ 11.07<br>10.57 ] | .509<br>.479 | [ 12.93<br>12.17 ] | .334<br>.324 | [ 8.48<br>8.23 ]   | 1.857<br>1.847 | [ 47.17<br>46.91 ] | 1.539<br>1.529 | [ 38.51<br>38.25 ] | 2.103<br>2.073 | [ 53.42<br>52.65 ] | MS18275-1             | 25            | 3             | M24308/24-33Z                | 1757837-3                           | 1757837-3         |   |
|          | .040<br>.020 | [ 1.02<br>0.51 ] | .432<br>.412 | [ 10.97<br>10.46 ] | 1.093<br>1.073 | [ 27.76<br>27.25 ] | .238<br>.229 | [ 6.05<br>5.82 ] | .432<br>.412 | [ 10.97<br>10.46 ] | .509<br>.479 | [ 12.93<br>12.17 ] | .334<br>.324 | [ 8.48<br>8.23 ]   | 1.317<br>1.307 | [ 33.45<br>33.20 ] | .999<br>.989   | [ 24.79<br>24.54 ] | 1.556<br>1.526 | [ 39.52<br>38.76 ] | MS18274-1             | 15            | 2             | M24308/24-32Z                | 1757837-2                           | 1757837-2         |   |
|          | .040<br>.020 | [ 1.02<br>0.51 ] | .432<br>.412 | [ 10.97<br>10.46 ] | .769<br>.749   | [ 19.53<br>19.02 ] | .238<br>.229 | [ 6.05<br>5.82 ] | .432<br>.412 | [ 10.97<br>10.46 ] | .509<br>.479 | [ 12.93<br>12.17 ] | .334<br>.324 | [ 8.48<br>8.23 ]   | .989<br>.979   | [ 25.12<br>24.87 ] | .671<br>.661   | [ 16.46<br>16.21 ] | 1.228<br>1.198 | [ 31.19<br>30.43 ] | MS18273-1             | 9             | 1             | M24308/24-31Z                | 1757837-1                           | 1757837-1         |   |
|          | DIM L        |                  | DIM J        |                    | DIM H          |                    | DIM G        |                  | DIM F        |                    | DIM E        |                    | DIM D        |                    | DIM C          |                    | DIM B          |                    | DIM A          |                    | INSERT<br>ARRANGEMENT | NO. OF<br>POS | SHELL<br>SIZE | MILITARY P/N<br>ON CONNECTOR | MFG'S P/N<br>MARKED<br>ON CONNECTOR | MFG'S<br>PART NO. |   |



DETAIL K  
SCALE 10:1  
FOR 1757837-6 THRU -10 ONLY

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:  
INCHES

MATERIAL  
SEE CALLOUTS

TOLERANCES UNLESS  
OTHERWISE SPECIFIED:

0 PLC ± -  
1 PLC ± -  
2 PLC ± -  
3 PLC ± .005 [0.13]  
4 PLC ± -  
ANGLES ± -  
FINISH

SEE CALLOUTS

DWN  
C.C.THOMAS  
2-23-06

CHK  
D.MILLER  
2-23-06

APVD  
D.MILLER  
2-23-06

NAME

APPLICATION SPEC

WEIGHT

CUSTOMER DRAWING

TE Connectivity

PLUG ASSEMBLY,AMPLITE,RT ANGLE,  
SERIES 109,SIZE 1 THRU 5

SIZE  
A1

CAGE CODE  
00779

DRAWING NO  
1757837

RESTRICTED TO

SCALE  
4:1

SHEET  
1 OF 2

REV  
C

