

REV.
B

AS34521

RATIONALE

REVISION IS REQUIRED TO:

- CORRECT THE DIMENSIONAL TOLERANCE VALUE FOR DIMENSION GG.
- CORRECT THE DIMENSIONAL TOLERANCE VALUE FOR DIMENSION K.
- CORRECT THE REFERENCE TO NOTE 6. THE NOTE SHOULD REFERENCE THE DESIGN REQUIREMENTS.

NOTICE

THE COMPLETE REQUIREMENTS FOR PROCURING THE PRODUCT DESCRIBED HEREIN SHALL CONSIST OF THIS DOCUMENT AND THE LATEST ISSUE OF AS50151.

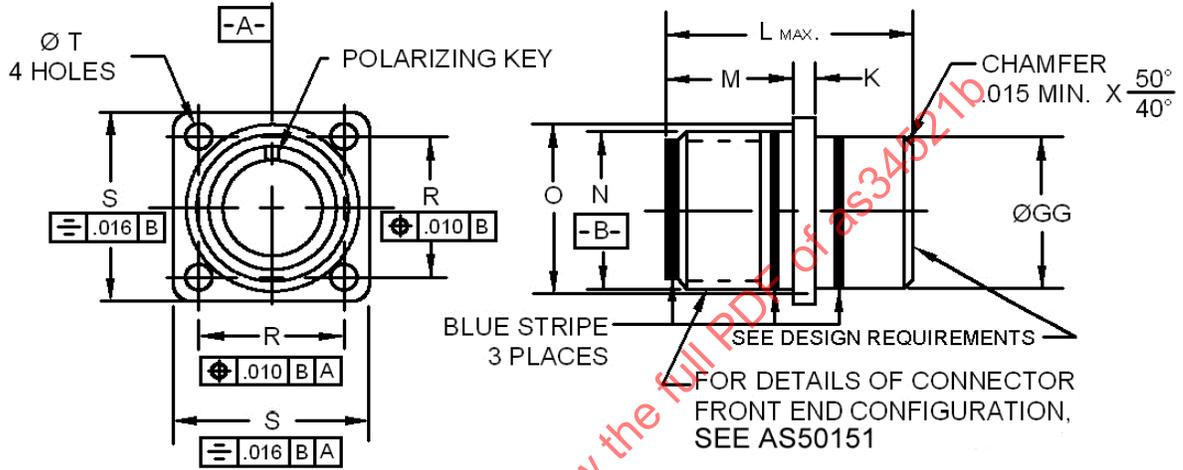
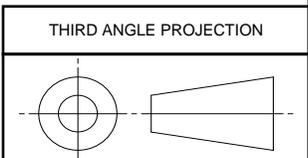


FIGURE 1 - CONNECTOR CONFIGURATION (CLASSES L, U & W ENVIRONMENT RESISTANT INTERFACE ONLY)

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CUSTODIAN: AE-8/AE-8C1

PROCUREMENT SPECIFICATION: AS50151



AEROSPACE STANDARD
CONNECTOR, RECEPTACLE, ELECTRIC,
BOX MOUNTING, REAR RELEASE,
CRIMP CONTACT, AN TYPE

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SHEET 1 OF 3

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ISSUED 2004-06 REVISED 2014-05

TABLE 1 - DIMENSIONS

| SIZE | ØGG ±.016 | K ±.015 | L MAX. | | M +.031 -.000 | N +.000 -.062 | O (REF) MTG HOLES | R C ₁ C ₁ | S ±.031 | T +.010 -.005 | |
|------|--------------|------------|---------------------------|-----------------------------|---------------------|---------------------|----------------------------|------------------------------------|------------|---------------------|-------|
| | | | SIZE 16&12 CONTACTS | SIZE 8,4 & 0 CONTACTS | | | | | | | |
| 8S | .500 | .083 | 1.662 | N/A | .562 | .532 | .562 | .594 | .875 | .120 | |
| 10S | .625 | | | | | .656 | .688 | .719 | 1.000 | | |
| 10SL | | | | | | .782 | .812 | .812 | 1.094 | | |
| 12S | .750 | | | | | .750 | .906 | .938 | .906 | | 1.188 |
| 12 | .875 | | | | | .562 | 1.032 | 1.062 | .969 | | 1.281 |
| 14S | | | | | | .750 | 1.156 | 1.188 | 1.062 | | 1.375 |
| 14 | 1.000 | | | | | .750 | 1.282 | 1.312 | 1.156 | | 1.500 |
| 16S | | | | | | .812 | 1.406 | 1.438 | 1.250 | | 1.625 |
| 16 | | .812 | 1.532 | 1.562 | 1.375 | 1.750 | .147 | | | | |
| 18 | | 1.052 | 1.782 | 1.812 | 1.562 | 2.000 | | | | | |
| 20 | 1.187 | .125 | 1.937 | .750 | 2.032 | 2.062 | 1.750 | 2.250 | .173 | | |
| 22 | 1.312 | | | | 2.282 | 2.312 | 1.938 | 2.500 | | | |
| 24 | 1.437 | | | | 2.532 | 2.562 | 2.188 | 2.750 | | | |
| 28 | 1.750 | | | | 2.782 | 2.812 | 2.375 | 3.000 | | | |
| 32 | 2.000 | | | | 3.032 | 3.062 | 2.625 | 3.250 | | | |
| 36 | 2.250 | | | | | | | | | | |
| 40 | 2.500 | | | | | | | | | | |
| 44 | 2.750 | | | | | | | | | | |
| 48 | 3.000 | | | | | | | | | | |

REQUIREMENTS: ALL COMPLETE REQUIREMENTS SHALL CONSIST OF THIS DOCUMENT AND THE LATEST ISSUE OF AS50151.

1. DESIGN:

CONNECTORS SHALL BE DESIGNED IN ACCORDANCE WITH FIGURE 1 AND TABLE 1. DIMENSIONS ARE IN INCHES. UNLESS OTHERWISE SPECIFIED, TOLERANCES: DECIMALS ±.016. DIMENSIONS AND TOLERANCING SHALL BE IN ACCORDANCE WITH ANSI/ASME Y14.5M-1994. AS50151 CRIMP CONTACT, FRONT AND REAR RELEASE CONNECTORS AND SOLDER CONTACT CONNECTORS ARE INTERMATEABLE. UNLESS OTHERWISE SHOWN, CORRESPONDING FEATURES OF PIN AND SOCKET CONTACT CONNECTORS ARE IDENTICAL. THE INSULATION MATERIAL SHALL BE ABOVE, FLUSH WITH, OR NO MORE THAN .015 INCH BELOW THE METAL SHELL AND ALL CONTACTS SHALL BE RECESSED BELOW THE INSULATION MATERIAL. TOOLS USED FOR INSERTING AND REMOVAL OF CONTACTS SHALL BE AS SPECIFIED IN AS50151.

2. FOR INSERT ARRANGEMENTS SEE MIL-STD-1651.