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REV.
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AS39029™/113

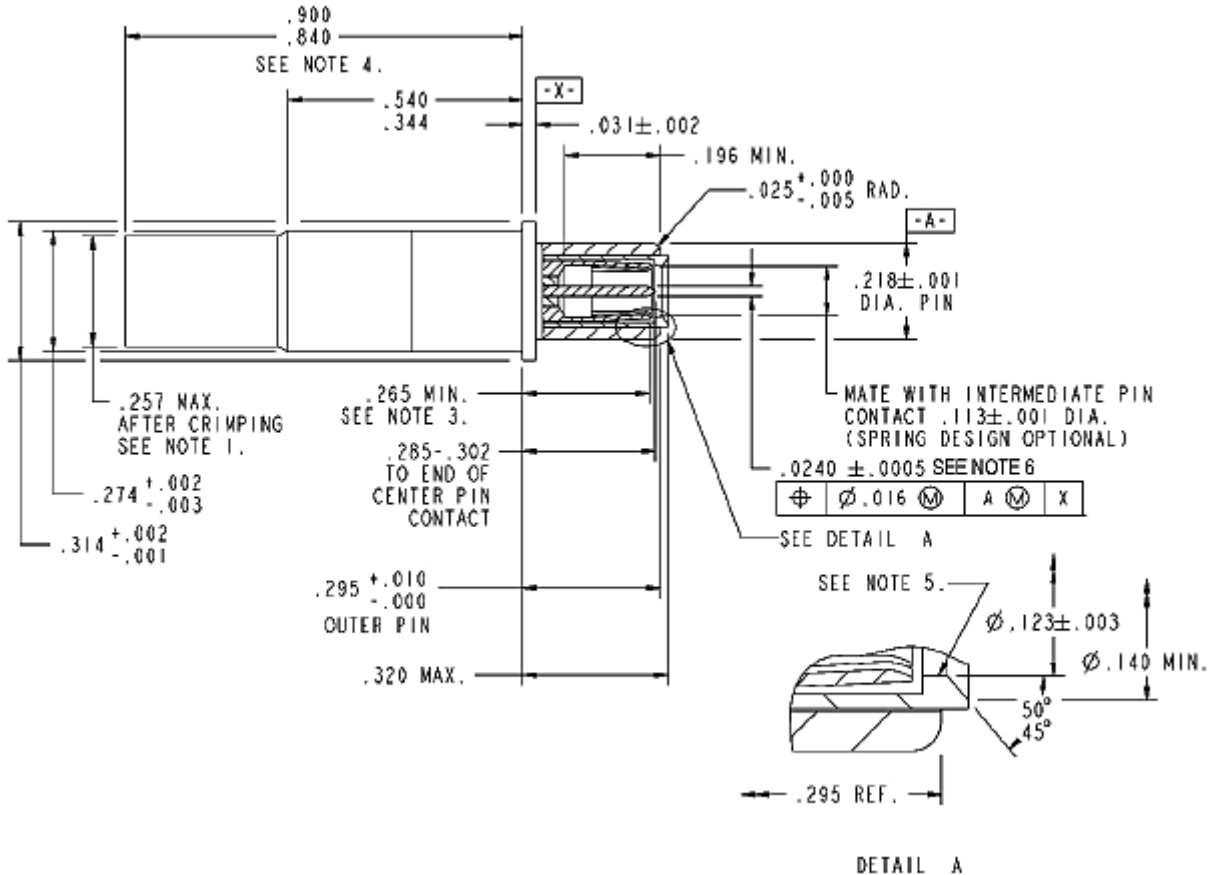
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RATIONALE

REVISION IS REQUIRED TO RE-WRITE THE REQUIREMENTS SECTION TO INCLUDE THE REQUIREMENTS THAT HAVE BEEN MISPLACED IN THE NOTES SECTION AND TO RESIZE/ENHANCE FIGURES 1 THROUGH 3 TO IMPROVE LEGIBILITY.

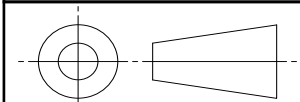
NOTICE

THE COMPLETE REQUIREMENTS FOR PROCURING THE PRODUCT DESCRIBED HEREIN SHALL CONSIST OF THIS DOCUMENT AND THE LATEST ISSUE OF AS39029.



For more information on this standard, visit
<https://www.sae.org/standards/content/AS39029/113C>

THIRD ANGLE PROJECTION



CUSTODIAN: AE-8C1

PROCUREMENT SPECIFICATION: AS39029



AEROSPACE STANDARD

(R) CONTACT, ELECTRICAL CONNECTOR,
CONCENTRIC TWINAX, PIN, SIZE 8
(FOR MIL-DTL-38999 SERIES I, III, AND IV CONNECTORS)

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FIGURE 1 NOTES:

1. WHEN THE HEAT SHRINK BOOT IS USED THE DIAMETER SHALL NOT EXCEED .276 INCH (7.01 MM) OVER THE INSTALLED AND RECOVERED HEAT SHRINK BOOT (SEE DRAWING, FIGURE 4).
2. DIMENSIONS SHOWN AFTER PLATING.
3. POINT AT WHICH SQUARE ENDED PIN OF THE SAME BASIC DIAMETER AS THE MATING CONTACT FIRST ENGAGES THE INTERMEDIATE CONTACT SPRING (SEE REQUIREMENT 5). PROVISIONS FOR CLEARANCE HOLE SHALL BE PROVIDED FOR THE TEST PIN (SEE DRAWING AND FIGURE 6).
4. MEASUREMENT SHALL BE TAKEN AFTER ASSEMBLY BUT BEFORE INSTALLATION OF THE HEAT SHRINK BOOT. MEASUREMENT SHALL INCLUDE CRIMP FERRULE (SEE DRAWING).
5. FOR QUALIFICATION, CERTIFICATION IS REQUIRED (SEE REQUIREMENT 2).
6. .008 MAXIMUM PERMISSIBLE PIN TIP FLAT.

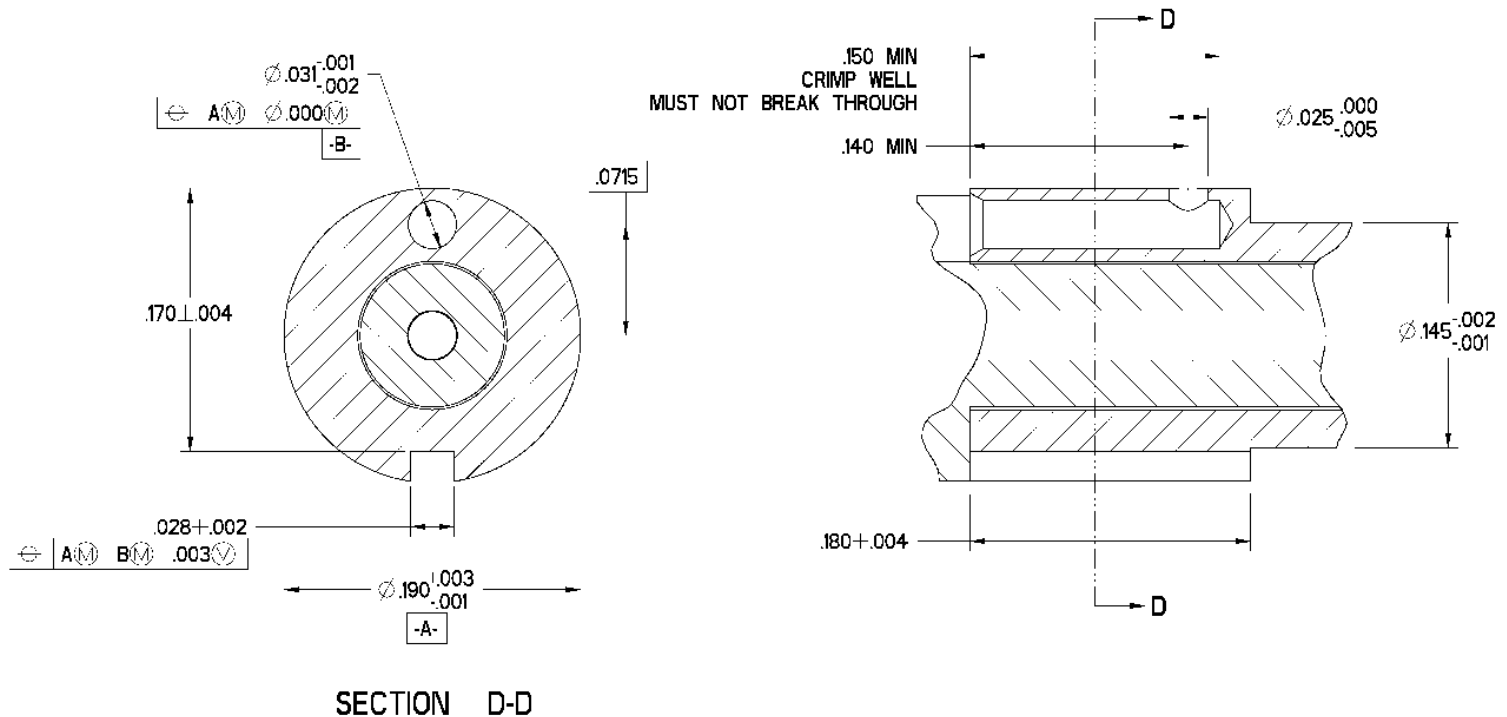


FIGURE 2 - BIN CODE 625: UNASSEMBLED CONCENTRIC TWINAX INTERMEDIATE CONTACT PIECE PART
(SEE REQUIREMENT 1)

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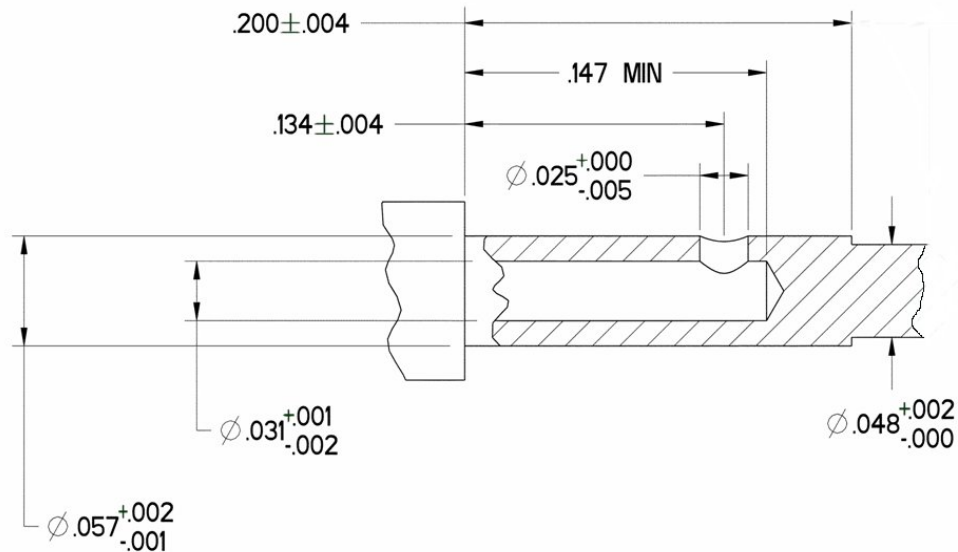


FIGURE 3 - BIN CODE 625: UNASSEMBLED CONCENTRIC TWINAX CENTER CONTACT PIECE PART - CRIMP AREA DETAILS (SEE REQUIREMENT 1)

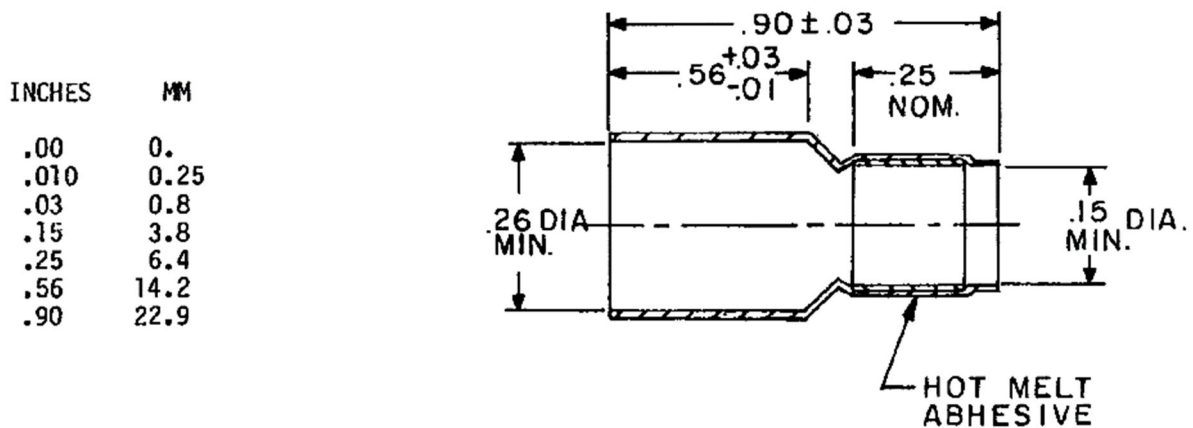


FIGURE 4 - HEAT SHRINK BOOT

REQUIREMENTS: ALL REQUIREMENTS SHALL CONSIST OF THIS DOCUMENT AND THE LATEST ISSUE OF AS39029.

1. DESIGN AND CONSTRUCTION:

CONTACTS SHALL BE DESIGNED IN ACCORDANCE WITH FIGURES 1 THROUGH 3 AND TABLE 1. DIMENSIONS ARE IN INCHES. METRIC EQUIVALENTS ARE IN PARENTHESES, ARE GIVEN FOR GENERAL INFORMATION ONLY, AND BASED UPON 1.00 INCH = 25.4 MM. DIMENSIONS SHOWN APPLY AFTER PLATING. DIMENSIONING AND TOLERANCING IN ACCORDANCE WITH ASME Y14.5M.

THE MAXIMUM NUMBER OF PIECE PARTS IN THE ASSEMBLED CONTACT (FIGURE 1), EXCLUDING THE HEAT SHRINK BOOT, SHALL NOT EXCEED FIVE. THE CONTACT SHALL BE PROVIDED AS UNASSEMBLED PIECE PARTS. SOME PIECE PARTS OF BIN CODE 625 (FIGURES 2 AND 3) REQUIRE DIFFERENT CRIMP TOOLS PRIOR TO FINAL ASSEMBLY (SEE TABLE 8). SEE TABLE 1 FOR DESIGN CHARACTERISTICS.

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