

**AS39029/55**

**RATIONALE**

THIS DOCUMENT HAS BEEN REAFFIRMED TO COMPLY WITH THE SAE 5-YEAR REVIEW POLICY.

**NOTICE**

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THIRD ANGLE PROJECTION



ISSUED 2000-07 REAFFIRMED 2007-01

PREPARED BY SAE SUBCOMMITTEE AE-8C1



**AEROSPACE STANDARD**

CONTACTS, ELECTRICAL CONNECTOR, SOCKET, CRIMP  
REMOVABLE, SHIELDED (FOR MIL-C-26500(USAF) AND  
MIL-C-26518(USAF) CONNECTORS)

**AS39029/55**  
SHEET 1 OF 7

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AS39029/55

THE REQUIREMENTS OF ACQUIRING THE PRODUCT DESCRIBED HEREIN SHALL CONSIST OF THIS SPECIFICATION SHEET AND THE ISSUE OF THE FOLLOWING SPECIFICATION LISTED IN THAT ISSUE OF THE DEPARTMENT OF DEFENSE INDEX OF SPECIFICATION AND STANDARDS (DODISS) SPECIFIED IN THE SOLICITATION: MIL-C-39029.

MILITARY SPECIFICATION MIL-C-39029/55B(USAF) DATED 20 FEB 1981 HAS BEEN REVIEWED AND DETERMINED TO BE VALID FOR USE IN ACQUISITION.

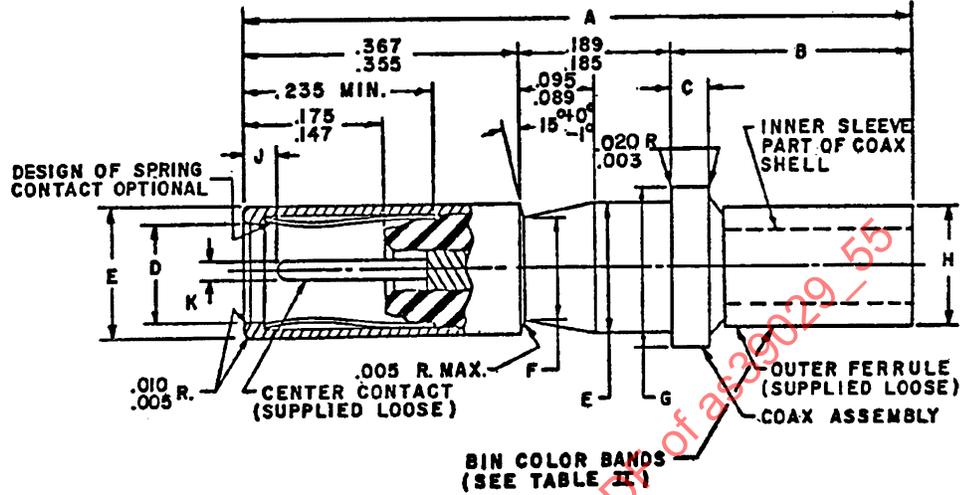


FIGURE 1. CONNECTOR CONTACT.

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| BIN code | A<br>(REF)      | B<br>MAX | C    | D    | E<br>DIA | F<br>DIA | G<br>DIA       | H<br>MAX<br>DIA | J    | K    |
|----------|-----------------|----------|------|------|----------|----------|----------------|-----------------|------|------|
| 344      | .859<br>(21.81) | .298     | .062 | .128 | .161     | .135     | .199<br>(5.05) | .154            | .035 | .024 |
|          |                 |          | .044 | .126 | .158     | .131     | .196<br>(4.98) |                 | .000 | .022 |
| 345      | .859<br>(21.81) | .298     | .050 | .220 | .252     | .226     | .313<br>(7.95) | .195            | .035 | .041 |
|          |                 |          | .044 | .217 | .249     | .221     | .309<br>(7.85) |                 | .000 | .039 |

## NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for general information only and are based upon 1.00 inch = 25.4 mm.
3. Metric equivalents are in parentheses for overall length and diameter only.
4. Dimensions shown apply after plating.
5. Boot sealing: All dimensions are after curing, all diameters shall be concentric within .004 T.I.R. radii shall be .008 maximum unless otherwise specified.
6. Sleeve sealing: Color, white.

FIGURE 1. CONNECTOR CONTACT - CONTINUED.

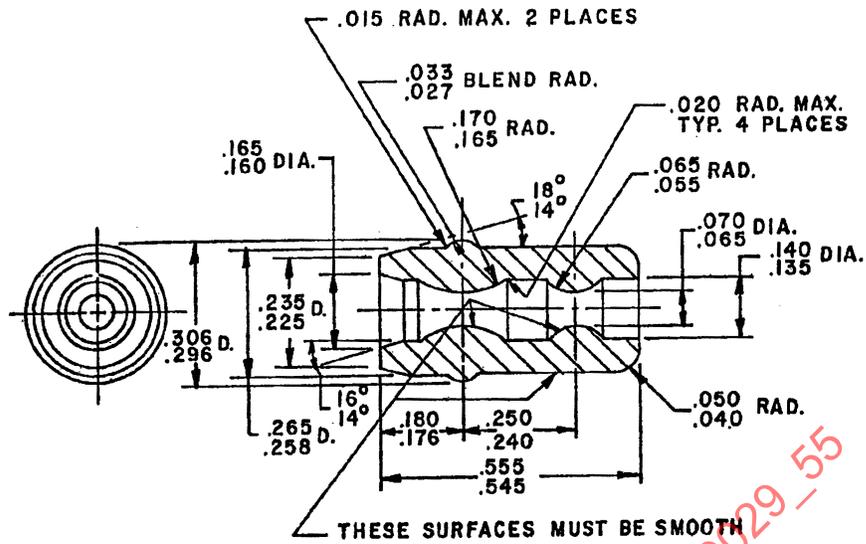


FIGURE 2. BOOT, SEALING.

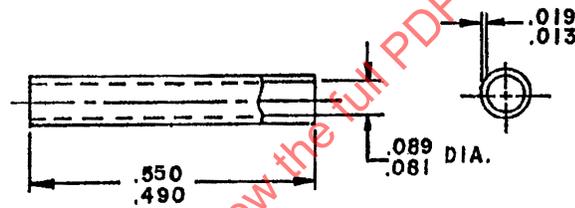


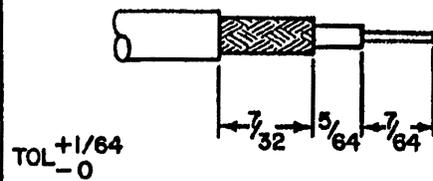
FIGURE 3. SLEEVE, SEALING, COAXIAL CABLE.

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AS39029/55

BIN CODE 344 ASSEMBLY PROCEDURE (REF)**STEP 1**

Strip cable jacket, braid and dielectric, to the dimensions shown. Make all cuts square and sharp, being careful not to nick braid, dielectric or center conductor when cutting. If conductor ends fray, twist them to their normal lay.

**STEP 2**

After stripping, slide sealing sleeve and outer ferrule onto cable.

**STEP 3**

Insert stripped center conductor into contact until wire shows through inspection hole and dielectric butts against contact. Fully seat contact in nest bushing of crimp tool and crimp in one full stroke.

**STEP 4**

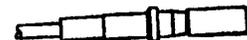
Slightly flare out ends of wire braid to facilitate insertion of inner ferrule of body assembly. (Do not comb braid.)

**STEP 5**

Install center contact in body assembly and slide inner ferrule underneath wire braid as shown. Push center contact until it is locked in place in the body assembly. Pull lightly on cable to make sure that contact is securely locked in place.

**STEP 6**

Slide outer ferrule over braid and up against body as shown. There should be no slack in the wire braid. Crimp the outer ferrule with proper tools, then slide sealing sleeve toward contact until sleeve touches outer ferrule.

**STEP 7**

Insert the assembled shielded contact into the connector in the same way as the standard contact, with applicable insertion tool. This completes assembly.



FIGURE 4. ASSEMBLY PROCEDURE.