

RATIONALE

REVISE TO INCLUDE COMMENTS RECEIVED BY THE GOVERNMENT AND INDUSTRY, REMOVE GOVERNMENT JARGON, UPDATE REFERENCES, ALIGN SPECIFICATION WITH SAE GUIDELINES, AND REVIEW SPECIFICATION FOR KNOWN TECHNICAL PROBLEMS

NOTICE

THE REQUIREMENTS FOR PROCURING THE PRODUCT DESCRIBED HEREIN SHALL CONSIST OF THIS SPECIFICATION SHEET AND THE LATEST ISSUE OF: SAE AS39029.

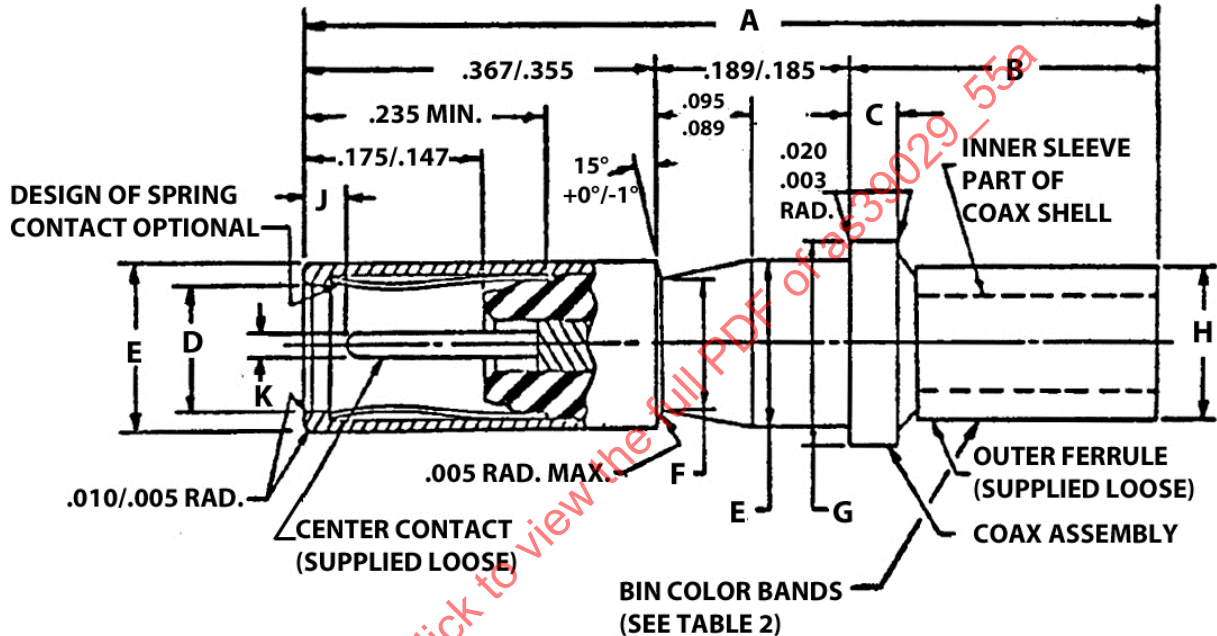
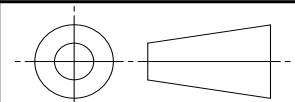


FIGURE 1 – CONNECTOR CONTACT CONFIGURATION AND DIMENSIONS

SAE values your input. To provide feedback on this Technical Report, please visit <http://www.sae.org/technical/standards/AS39029/55A>

THIRD ANGLE PROJECTION



CUSTODIAN: AE-8/AE-8C1

PROCUREMENT SPECIFICATION: AS39029

SAE Aerospace
An SAE International Group

AEROSPACE STANDARD
(R) CONTACTS, ELECTRICAL CONNECTOR, SOCKET, CRIMP REMOVABLE, SHIELDED (FOR MIL-DTL-26500 AND MIL-DTL-26518 CONNECTORS)

SAE AS39029/55
SHEET 1 OF 4

REV.
A

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ISSUED 2000-07	REAFFIRMED 2007-01	REVISED 2012-06
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TABLE 1 – FIGURE 1 DIMENSIONS

BIN CODE	A (REF)	B MAX.	C	D	E DIA.	F DIA.	G DIA.	H MAX DIA.	J	K
344	.859 (21.81)	.298 (7.57)	.062 (1.57)	.128 (3.25)	.161 (4.09)	.135 (3.43)	.199 (5.05)	.154 (3.91)	.035 (.889)	.024 (.610)
			.044 (1.12)	.126 (3.20)	.158 (4.01)	.131 (3.33)	.196 (4.98)			.022 (.559)
345			.050 (1.27)	.220 (5.59)	.252 (6.40)	.226 (5.74)	.313 (7.95)	.195 (4.95)	.000 (.000)	.041 (1.04)
			.044 (1.12)	.217 (5.51)	.249 (6.32)	.221 (5.61)	.309 (7.85)			.039 (.991)

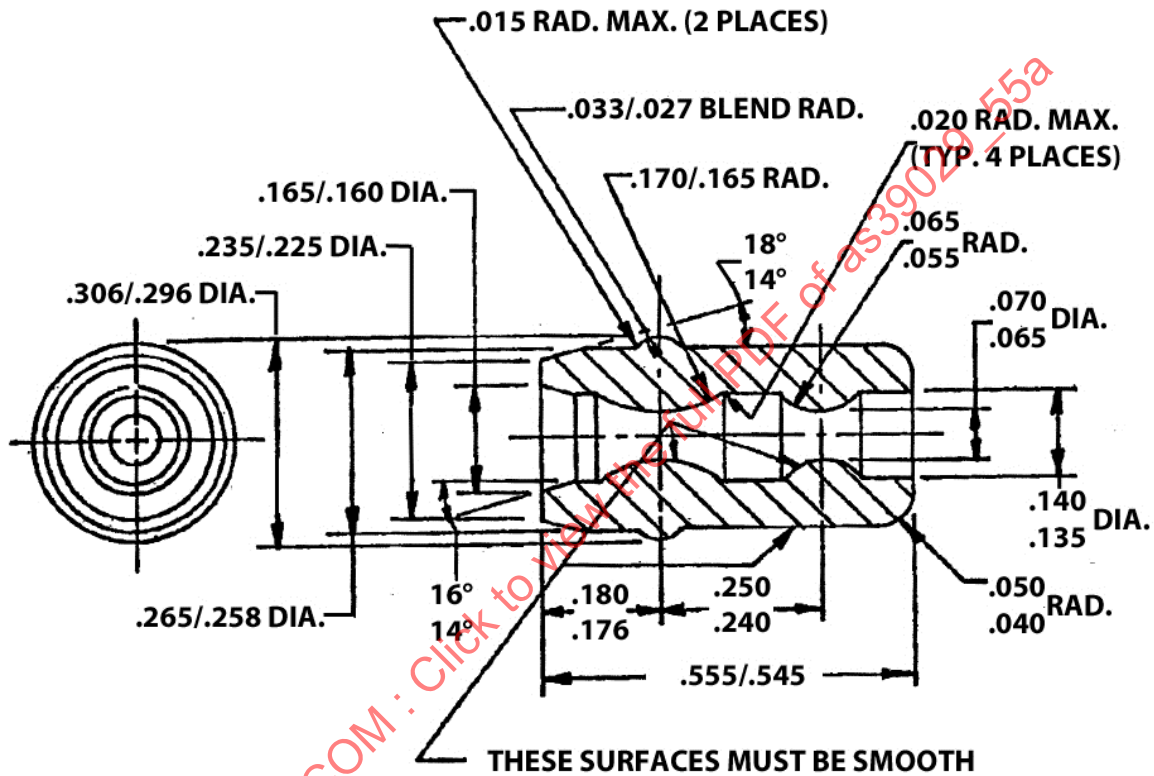


FIGURE 2 – BOOT, SEALING

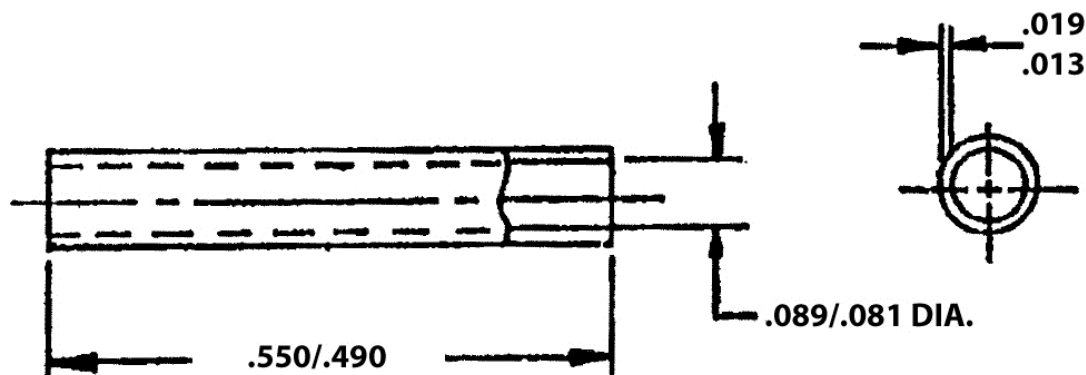


FIGURE 3 – SLEEVE, SEALING, COAXIAL CABLE

TABLE 2 – DESIGN CHARACTERISTICS

BIN CODE	COLOR BANDS			CONTACT CAVITY SIZE	CABLE ACCOMMODATED	TYPE	CLASS
	1ST	2ND	3RD				
344	ORANGE	YELLOW	YELLOW	12	M27500-22RE1N06	D	A
345	ORANGE	YELLOW	GREEN	8	M27500-20RE1N06		

TABLE 3 – TOOLS

BIN CODE	INNER CONTACT		OUTER CONTACT		INSTALLING TOOL	REMOVAL TOOL
	BASIC CRIMPING TOOL	POSITIONER	BASIC CRIMPING TOOL	CRIMPING DIE		
344	M22520/2-01	M22520/2-33	M22520/5-01 M22520/10-01	M22520/5-08 M22520/10-05(A)	M81969/17-05	M81969/19-09
345	M22520/2-01	M22520/2-24	M22520/5-01 M22520/10-01	M22520/5-10 M22520/10-06	M81969/17-06	M81969/19-03

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

1. DESIGN:

CONTACTS SHALL BE DESIGNED IN ACCORDANCE WITH FIGURES 1 THRU 3 AND TABLE 1. DIMENSIONS ARE IN INCHES. METRIC EQUIVALENTS ARE GIVEN FOR GENERAL INFORMATION ONLY AND ARE BASED ON 1 INCH = 25.4 MM. DIMENSIONS SHOWN APPLY AFTER PLATING. BOOT SEALING: ALL DIMENSIONS APPLY AFTER CURING AND ALL DIAMETERS SHALL BE CONCENTRIC WITHIN .004 T.I.R. RADII SHALL BE .008 MAXIMUM UNLESS OTHERWISE SPECIFIED. SLEEVE SEALING: COLOR, WHITE. BOOTS AND SLEEVE SEALING: PARTS MUST BE FREE OF FLASH, CRACKS OR CAVITIES (SEE FIGURE 2). BOOTS SEALING: IMMEDIATELY AFTER MOLDING, CURE BOOTS.

2. TOOLS:

TOOLS REQUIRED FOR CRIMPING CONTACTS TO THE WIRE/CABLE AND THE INSTALLING/REMOVAL FROM THE CONNECTOR SHALL BE IN ACCORDANCE WITH TABLE 3.

3. PART NUMBERS:

CONTACT PART NUMBERS SHALL BE IN ACCORDANCE WITH TABLE 4. SUPERSEDED PART NUMBERS ARE AS SPECIFIED.

 <i>An SAE International Group</i>	AEROSPACE STANDARD	SAE AS39029/55 SHEET 3 OF 4	REV. A
	(R) CONTACTS, ELECTRICAL CONNECTOR, SOCKET, CRIMP REMOVABLE, SHIELDED (FOR MIL-DTL-26500 AND MIL-DTL-26518 CONNECTORS)		