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REV. C
AS39029™/37

FEDERAL SUPPLY CLASS
5999

RATIONALE

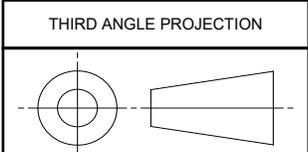
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CUSTODIAN: AE-8C1		PROCUREMENT SPECIFICATION: AS39029	
	AEROSPACE STANDARD		AS39029™/37
	CONTACTS, ELECTRICAL CONNECTOR, SOCKET, CRIMP REMOVABLE (FOR MIL-DTL-28748/10 CONNECTORS)		

ISSUED 2000-07 REVISED 2014-05 REAFFIRMED 2019-07 STABILIZED 2025-02

NOTICE

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

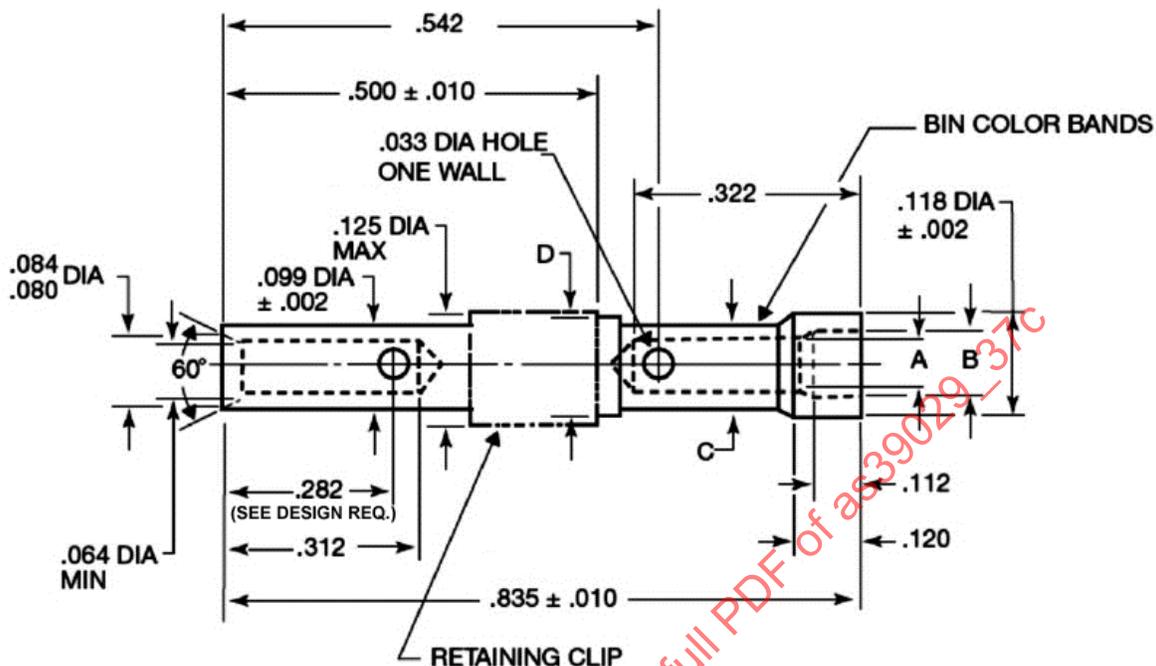


FIGURE 1 - AS39029/37 SOCKET CONTACT

TABLE 1 - FIGURE 1 METRIC EQUIVALENTS

INCHES	MILLIMETERS	INCHES	MILLIMETERS	INCHES	MILLIMETERS
.002	0.051	.099	2.51	.312	7.92
.010	0.254	.112	2.84	.322	8.18
.033	0.838	.118	3.00	.500	12.70
.064	1.63	.120	3.05	.542	13.77
.080	2.03	.125	3.18	.835	21.21
.084	2.13	.282	7.16		



AEROSPACE STANDARD

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TABLE 2 - CONTACT DIMENSIONS

BIN CODE	A DIA	B DIA	C DIA	D DIA
279	.048 (1.22)	.070 (1.78)	.079 (2.01)	.119 (3.02)
	.045 (1.14)	.068 (1.73)	.076 (1.93)	
280	.070 (1.78)	.090 (2.29)	.112 (2.84)	.116 (2.95)
	.067 (1.70)	.088 (2.24)	.109 (2.77)	

TABLE 3 - MARKING AND DESIGN CHARACTERISTICS

BIN CODE	COLOR BAND			MATING END SIZE	WIRE BARREL SIZE	TYPE	CLASS
	FIRST	SECOND	THIRD				
279	RED	VIOLET	WHITE	16	20	A	A
280	RED	GRAY	BLACK	16	16	A	A

TABLE 4 - TOOL REQUIREMENTS

BIN CODE	BASIC CRIMPING TOOL	POSITIONER	INSTALLING TOOL	REMOVAL TOOL
279	M22520/1-01	M22520/1-03 BLUE	M81969/18-01	M81969/20-01
280	M22520/1-01	M22520/1-03 RED	M81969/18-01	M81969/20-01

TABLE 5 - PART NUMBERS

AS39029 PART NUMBER	BIN CODE	SUPERSEDED PART NUMBER(S)
M39029/37-279	279	MS17808-16-20
M39029/37-280	280	MS17808-16-16

DETAIL SPECIFICATION REQUIREMENTS:

1. DESIGN:

CONTACT SHALL BE DESIGNED IN ACCORDANCE WITH FIGURE 1, TABLE 1 THRU 3. WALL THICKNESS OF ANY PART OF THE CONTACT SHALL NOT BE LESS THAN .010 INCH (0.25 MM). DIMENSIONS ARE IN INCHES AND SHOWN AFTER PLATING. UNLESS OTHERWISE SPECIFIED, SPHERICAL END DIMENSIONS SHALL CONFORM TO AS39029. METRIC EQUIVALENTS AND PROVIDED FOR GENERAL INFORMATION ONLY AND ARE BASED ON 1 INCH = 25.4 MM. THE .282 DIMENSION IS UNDER THE JACKET AND FOR REFERENCE ONLY.

2. TOOLS:

TOOLS REQUIRED FOR CRIMPING CONTACTS TO 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. SUPERSEDING PART NUMBERS ARE AS SPECIFIED.

4. MATERIALS:

MATERIALS SHALL BE IN ACCORDANCE WITH AS39029.

5. MECHANICAL:

MECHANICAL PROPERTIES SHALL BE IN ACCORDANCE WITH AS39029.

6. ELECTRICAL:

ELECTRICAL PROPERTIES SHALL BE IN ACCORDANCE WITH AS39029.

7. ENVIRONMENTAL:

ENVIRONMENTAL PROPERTIES SHALL BE IN ACCORDANCE WITH AS39029. VIBRATION SHALL BE IN ACCORDANCE WITH EIA 364-28 TEST METHOD, TEST CONDITION II. SHOCK SHALL BE IN ACCORDANCE WITH EIA 364-27 TEST METHOD, TEST CONDITION I.

	AEROSPACE STANDARD CONTACTS, ELECTRICAL CONNECTOR, SOCKET, CRIMP REMOVABLE (FOR MIL-DTL-28748/10 CONNECTORS)	AS39029™/37 SHEET 2 OF 3	REV. C