

REV.
B

RATIONALE

REVISE TO IMPROVE DRAWING/DIMENSION QUALITY, CREATE EDITABLE TABLES, UPDATE REFERENCES, ALIGN SPECIFICATION WITH SAE GUIDELINES, AND REVIEW SPECIFICATION FOR KNOWN TECHNICAL PROBLEMS.

NOTICE

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

SAE AS39029/36

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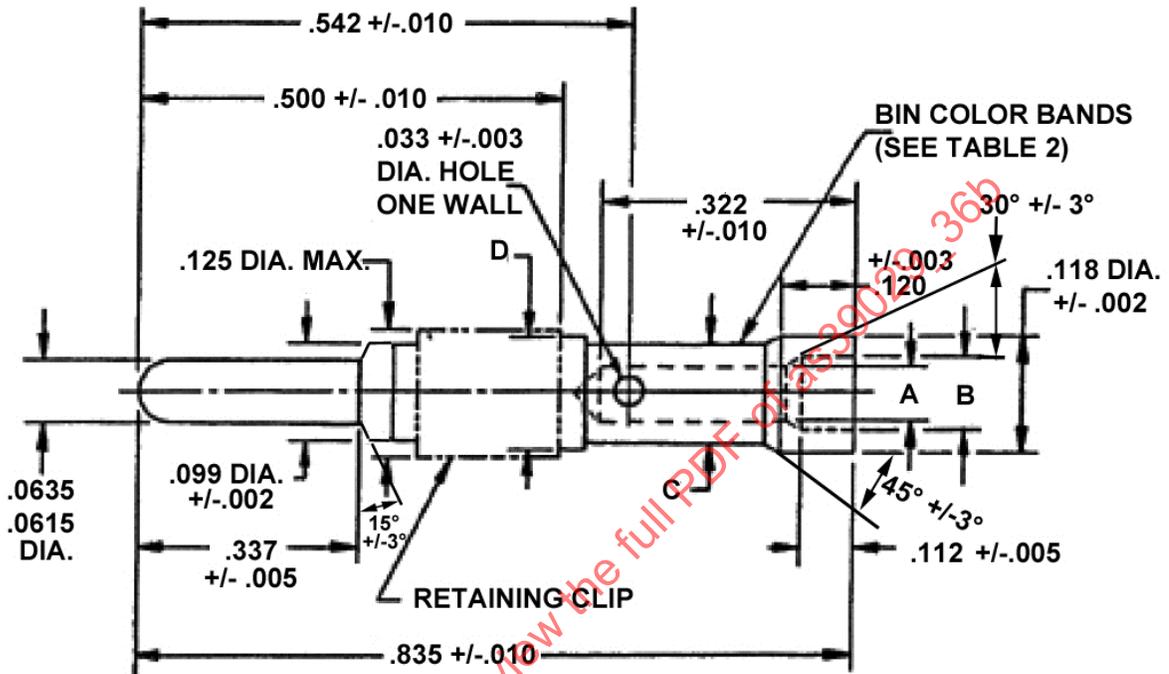
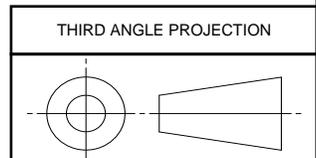


FIGURE 1 - AS39029/36 PIN CONTACT

INCHES	MM	INCHES	MM	INCHES	MM	INCHES	MM
.002	0.051	.0635	1.61	.120	3.05	.500	12.70
.010	0.254	.099	2.51	.125	3.18	.542	13.77
.033	0.838	.112	2.84	.322	8.18	.835	21.21
.0615	1.56	.118	3.00	.337	8.56		

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CUSTODIAN: AE-8/AE-8C1

PROCUREMENT SPECIFICATION: AS39029

SAE Aerospace
An SAE International Group

AEROSPACE STANDARD

(R) CONTACTS, ELECTRICAL CONNECTOR,
PIN, CRIMP REMOVABLE
(FOR MIL-DTL-28748/9 CONNECTORS)

SAE AS39029/36
SHEET 1 OF 3

REV. B

TABLE 1 - CONTACT DIMENSIONS

BIN CODE	A DIA.	B DIA.	C DIA.	D DIA.
277	.048	.070	.079	
	(1.22)	(1.78)	(2.01)	
	.045	.068	.076	.119
	(1.14)	(1.73)	(1.93)	(3.02)
278	.070	.090	.112	.116
	(1.78)	(2.29)	(2.84)	(2.95)
	.067	.088	.109	
	(1.70)	(2.24)	(2.77)	

TABLE 2 - MARKING AND DESIGN CHARACTERISTICS

BIN CODES	COLOR BANDS			MATING END SIZE	WIRE BARREL SIZE	TYPE	CLASS
	1ST	2ND	3RD				
277	RED	VIOLET	VIOLET	16	20	A	A
278	RED	VIOLET	GRAY	16	16	A	A

TABLE 3 - TOOL REQUIREMENTS

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

TABLE 4 - PART NUMBERS

AS39029 PART NUMBER	BIN CODE	SUPERSEDED PART NUMBER(S)
M39029/36-277	277	MS17807-16-20
M39029/36-278	278	MS17807-16-16

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

1. DESIGN:

CONTACT SHALL BE DESIGNED IN ACCORDANCE WITH FIGURE 1, TABLE 1, AND TABLE 2. 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. ALL DIMENSIONS IN PARENTHESES ARE METRIC EQUIVALENTS AND PROVIDED FOR GENERAL INFORMATION ONLY (SEE AS39029 SECTION 6).

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. SUPERSEDED PART NUMBERS ARE AS SPECIFIED.

4. MATERIALS:

MATERIALS SHALL BE IN ACCORDANCE WITH AS39029.

 An SAE International Group	AEROSPACE STANDARD (R) CONTACTS, ELECTRICAL CONNECTOR, PIN, CRIMP REMOVABLE (FOR MIL-DTL-28748/9 CONNECTORS)	SAE AS39029/36 SHEET 2 OF 3	REV. B