

REV.
A

AS39029™/72

RATIONALE

AS39029/72A HAS BEEN REAFFIRMED TO COMPLY WITH THE SAE FIVE-YEAR REVIEW POLICY.

NOTICE

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

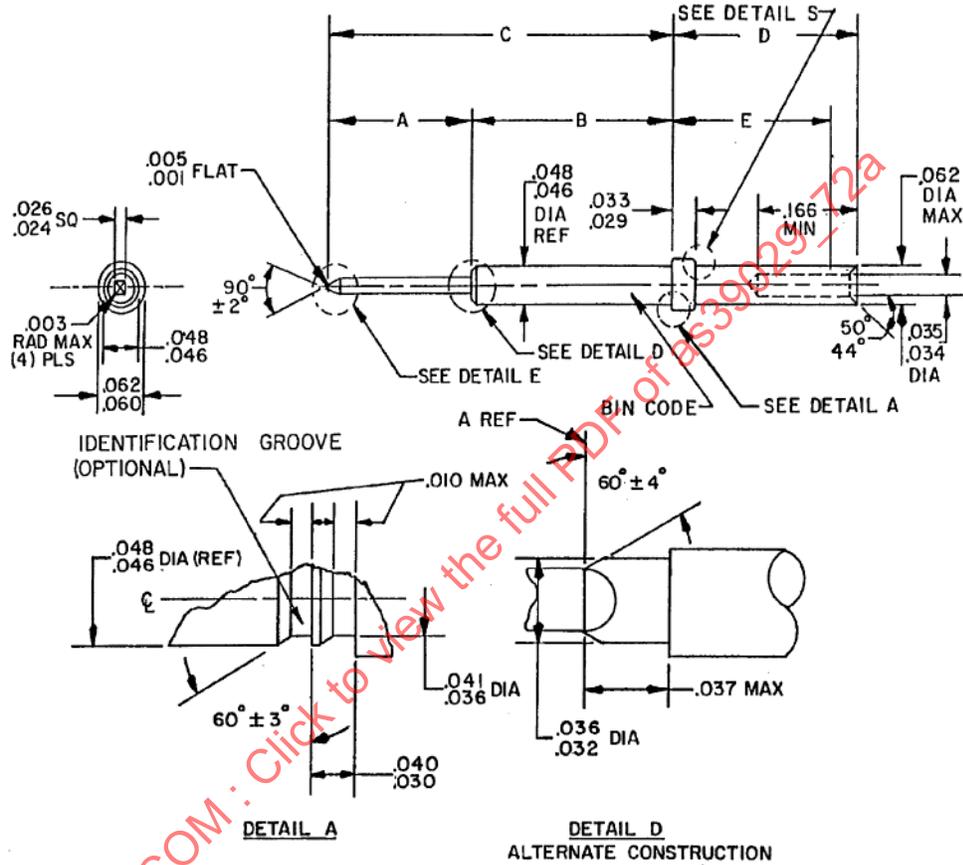
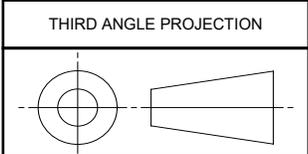


FIGURE 1 - CONFIGURATION AND DIMENSIONS

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For more information on this standard, visit
<https://www.sae.org/standards/content/AS39029/72A>



CUSTODIAN: AE-8/AE-8C1

PROCUREMENT SPECIFICATION: AS39029



AEROSPACE STANDARD

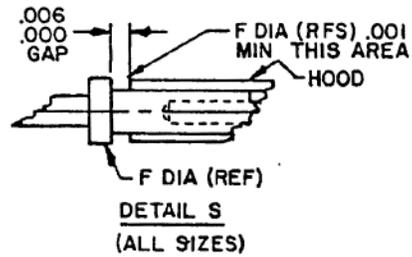
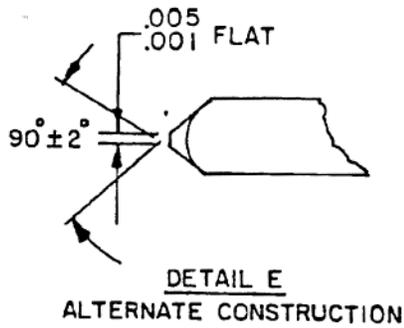
(R) CONTACTS, ELECTRICAL CONNECTOR, SOCKET, REMOVABLE, SOLDERLESS WRAPPOST TERMINATION (FOR MIL-DTL-38999 SERIES I, II, III, AND IV, MIL-DTL-24308, AND MIL-DTL-55302/68, /71, AND /75 CONNECTORS)

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SHEET 1 OF 4

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ISSUED 2000-07 REVISED 2010-11 REAFFIRMED 2020-09



BIN CODE	A	B	C	D	E MIN
393	.205 (5.21) .200 (5.08)	.344 (8.74) .338 (8.59)	.538 (13.67) REF	.289 (7.34) .279 (7.09)	.248 (6.30)
394	.306 (7.77) .302 (7.67)	.237 (6.02) .231 (5.87)	.538 (13.67) REF		
395	.355 (9.02) .340 (8.64)	.340 (8.64) REF	.685 (17.40) .675 (17.15)		
524	.264 (6.71) .249 (6.32)	.278 (7.06) REF	.532 (13.51) .522 (13.26)	.626 (15.90) .616 (15.65)	.585 (14.86)
525	.247 (6.27) .232 (5.89)	.494 (12.55) REF	.731 (18.57) .721 (18.31)		
526	.355 (9.02) .340 (8.64)	.340 (8.64) REF	.685 (17.40) .675 (17.15)		

FIGURE 1 - CONFIGURATION AND DIMENSIONS - CONTINUED

TABLE I - DESIGN CHARACTERISTICS

BIN CODE	COLOR BANDS			MATING END SIZE	TYPE	CLASS
	1 ST	2 ND	3 RD			
393	ORANGE	WHITE	ORANGE	22	A	A
394	ORANGE	WHITE	YELLOW	22		
395	ORANGE	WHITE	GREEN	22		
524	GREEN	RED	YELLOW	22		
525	GREEN	RED	GREEN	22		
526	GREEN	RED	BLUE	22		

TABLE 2 - TOOLS

BIN CODE	INSTALLING TOOL	REMOVAL TOOL
393, 394, 395, 524, 525, 526	M81969/1-04 (GREEN) M81969/8-01	M81969/1-04 (WHITE) M81969/8-02

TABLE 3. PART NUMBERS

BIN CODE	PART NUMBER	SUPERSEDED PART NUMBER
393	M39029/72-393	M39029/72-1
394	M39029/72-394	M39029/72-2
395	M39029/72-395	M39029/72-3
524	M39029/72-524	-----
525	M39029/72-525	-----
526	M39029/72-526	-----

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

1. DESIGN:

CONTACTS SHALL BE DESIGNED IN ACCORDANCE WITH FIGURE 1 AND TABLE 1. DIMENSIONS ARE IN INCHES. DIMENSIONS SHOWN APPLY AFTER PLATING. THE RIGHT SIDE OF THE "E" DIMENSION IS THE POINT AT WHICH A SQUARE ENDED PIN OF THE SAME BASIC DIAMETER AS THE MATING CONTACT FIRST ENGAGES THE SOCKET CONTACT SPRING.

2. TOOLS:

TOOLS REQUIRED FOR THE INSTALLING/REMOVAL FROM THE CONNECTOR SHALL BE IN ACCORDANCE WITH TABLE 2.

3. PART NUMBERS:

CONTACT PART NUMBERS SHALL BE IN ACCORDANCE WITH TABLE 3. SUPERSEDED PART NUMBERS ARE AS SPECIFIED.

4. MATERIALS:

MATERIALS SHALL BE IN ACCORDANCE WITH AS39029.

5. MECHANICAL:

WIRE WRAPPING: WIRE WRAPPING SHALL BE CLASS A AND WRAPPED IN ACCORDANCE WITH MIL-STD-1130.

CAUTION: MAINTAIN LIGHT TENSION ON THE WIRE AT THE START OF THE WRAP UNTIL ONE COMPLETE TURN HAS BEEN MADE.

EDGE BURRS: WRAPPOST EDGE BURRS SHALL BE .0015 INCH (0.14 MM), MAXIMUM.

6. ELECTRICAL:

ELECTRICAL REQUIREMENTS SHALL BE IN ACCORDANCE WITH AS39029.

7. ENVIRONMENTAL:

ENVIRONMENTAL PROPERTIES SHALL BE IN ACCORDANCE WITH AS39029.

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