

REV.
A

SAE AS39029/69

FEDERAL SUPPLY CLASS
5999

RATIONALE

REVISE TO INCLUDE COMMENTS RECEIVED BY THE GOVERNMENT AND INDUSTRY SINCE 1988, INCORPORATES VARIOUS AMENDMENTS, REMOVE GOVERNMENT JARGON AS A RESULT OF THE WORD-FOR-WORD TRANSFERENCE OF AS39029 TO SAE, UPDATE SPECIFICATION REFERENCES, ALIGN SPECIFICATIONS WITH SAE GUIDELINES AS NEEDED, AND REVIEW SPECIFICATIONS FOR KNOWN TECHNICAL PROBLEMS.

NOTICE

THE REQUIREMENTS FOR ACQUIRING THE CONTACTS DESCRIBED HEREIN SHALL CONSIST OF THIS SPECIFICATION AND THE LATEST ISSUE OF AS39029.

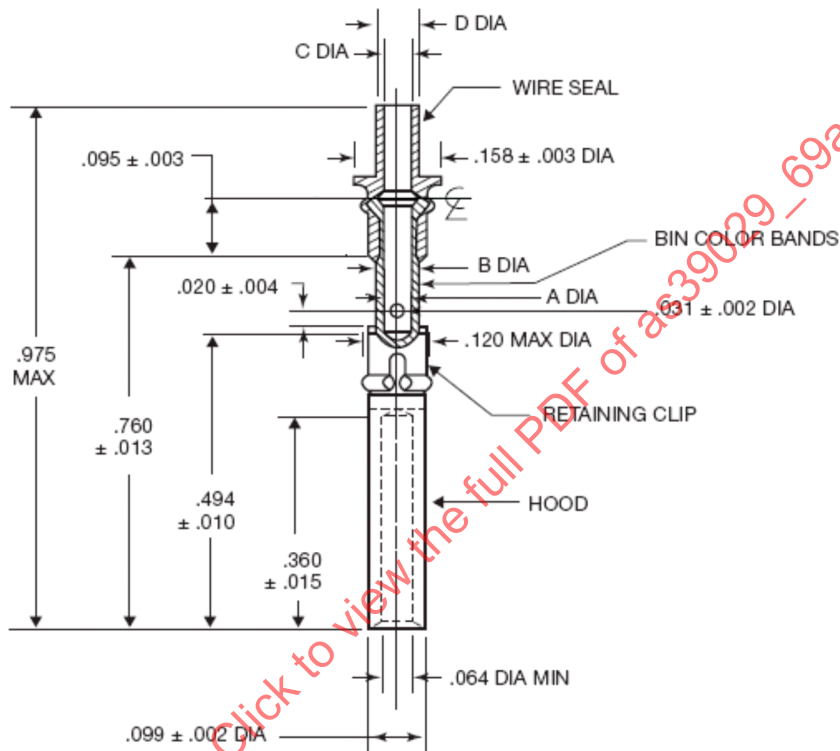


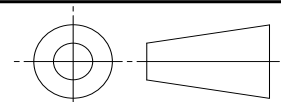
FIGURE 1- AS39029/69 SOCKET CONTACT

TABLE 1- CONTACT DIMENSIONS

BIN CODE	A DIA ±0.002	B DIA ±0.002	C DIA ±0.003	D DIA ±0.003
384	.032	.063	.027	.056
385	.046	.077	.046	.070
386	.063	.097	.062	.086

SAE values your input. To provide feedback
on this Technical Report, please visit
<http://www.sae.org/technical/standards/AS39029/69A>

THIRD ANGLE PROJECTION



CUSTODIAN: AE-8/AE-8C1

PROCUREMENT SPECIFICATION: AS39029

SAE Aerospace
An SAE International Group

AEROSPACE STANDARD

(R) CONNECTOR CONTACT, ELECTRICAL SOCKET,
CRIMP REMOVABLE, FOR AS85028 CONNECTORS

SAE AS39029/69
SHEET 1 OF 3

REV.
A

TABLE 2- MARKING AND DESIGN CHARACTERISTICS

BIN CODE	COLOR BANDS			MATING END SIZE	WIRE BARREL SIZE	WIRE RANGE	WIRE SEAL COLOR	INSULATION OD RANGE	TYPE	CLASS
	1ST	2ND	3RD							
384	ORANGE	GRAY	YELLOW	16	24	24-28	RED	.0410 - .0550	A	1/
385	ORANGE	GRAY	GREEN	16	20	20-24	LAVENDER	.0510 - .0700	A	1/
386	ORANGE	GRAY	BLUE	16	16	16-20	BROWN	.0660 - .0870	A	1/

1/ MAXIMUM OPERATING TEMPERATURE 150°C

TABLE 3- TOOL REQUIREMENTS

BIN CODE	BASIC CRIMPING TOOL	POSITIONER	INSTALLING TOOL	REMOVAL TOOL
384	M22520/1-01	M2252/1-17	M81969/23-02	M81969/22-01
385				
386				

TABLE 4- PART NUMBERS

AS39029 PART NUMBER	BIN CODE	SUPERSEDED PART NUMBER(S)
M39029/69-384	384	M39029/69-1
M39029/69-385	385	M39029/69-2
M39029/69-386	386	M39029/69-3

DETAIL SPECIFICATION REQUIREMENTS:

1. DESIGN:

CONTACT SHALL BE DESIGNED IN ACCORDANCE WITH FIGURE 1, TABLE 1 AND 2. 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 6.0).

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.

5. MECHANICAL:

MECHANICAL PROPERTIES SHALL BE IN ACCORDANCE WITH AS39029.

6. ELECTRICAL:

ELECTRICAL PROPERTIES SHALL BE IN ACCORDANCE WITH AS39029.