

RATIONALE

FEDERAL SUPPLY CLASS
5999

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

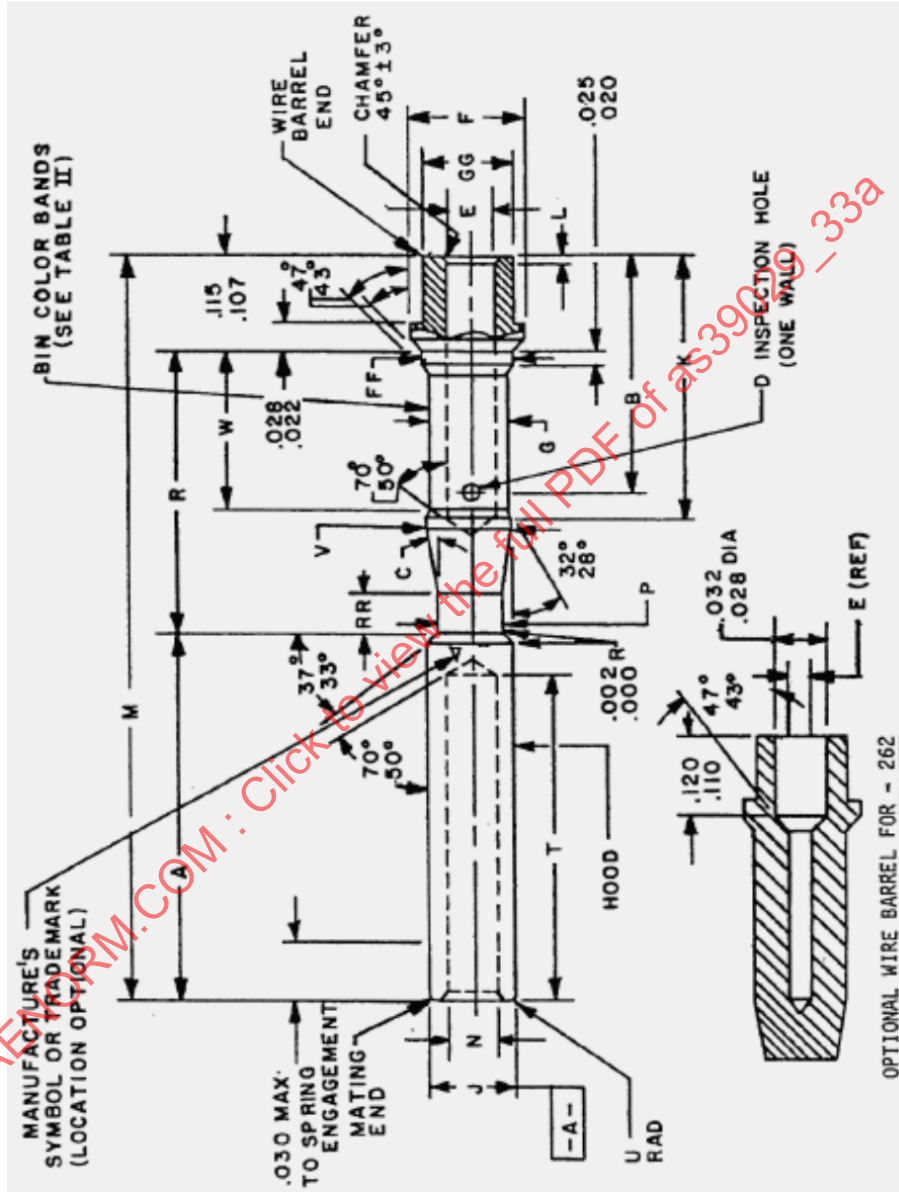
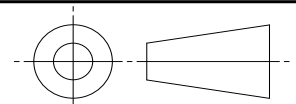


FIGURE 1 - AS39029/33 SOCKET

THIRD ANGLE PROJECTION



CUSTODIAN: SAE AE-8/AE-8C1

PROCUREMENT SPECIFICATION: AS39029

SAE Aerospace
An SAE International Group

AEROSPACE STANDARD

(R) CONTACTS, ELECTRICAL CONNECTOR,
SOCKET, CRIMP REMOVABLE
(FOR MIL-C-81511 SERIES 1 CONNECTORS)

SAE AS39029/33A
SHEET 1 OF 4

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TABLE 1 - CONTACT DIMENSIONS

BIN code	A	B	C (DEG)	D DIA	E DIA	F DIA	FF DIA	G DIA	GG DIA	J DIA	K
262	.686 .674	.201	8	.022	.020 .018	.064 (1.63)	N/A	.0545	.050	.051	.235
264		.190	7	.018	.037 .035	.062 (1.57)		.052	.048	.049	.215
266		.252 .241	11 10	.032 .026	.050 .048	.103 (2.62) .100 (2.54)		.078 .075	.078 .076	.078 .076	.276 .256
268		.257			.068 .066	.133 (3.38) .130 (3.30)		.105 .101	.103 .101	.113 .110	.286 .266
270		.246			.102 .098	.190 (4.83) .187 (4.75)		.152 .148	.158 .155	.161 .158	.296 .276

TABLE 1 - CONTACT DIMENSIONS (CONTINUED)

BIN code	L	M (REF)	N MIN DIA ONLY	P DIA	R	RR	T	U RAD	V DIA	W	APPROX. WEIGHT (LBS)			
262		1.043 (26.49)	.028	.039	.254	.030 Min.	.220	.006	N/A		.00055			
264				.036			.249	.170	.004			.00049		
266		.006	1.048 (26.62)	.0415	.065				.009	.0805	.120	.00107		
268		.003			.062				.259	.320	.007	.078	.114	
					.064					.099	.270	.012	N/A	N/A
270	.010 .005		.0955	.145 .142	.254		.270 .250	.017 .013			.00447			

TABLE 2 - MARKING AND DESIGN CHARACTERISTICS

BIN CODES	COLOR BANDS			MATING END SIZE	WIRE BARREL SIZE	TYPE	CLASS
	1ST	2ND	3RD				
262	RED	BLUE	RED	23	28	A	B
264	RED	BLUE	YELLOW	23	22	A	B
266	RED	BLUE	BLUE	20	20	A	B
268	RED	BLUE	GRAY	16	16	A	B
270	RED	VIOLET	BLACK	12	12	A	B

TABLE 3 - TOOL REQUIREMENTS

BIN CODE	BASIC CRIMPING TOOL	POSITIONER	INSTALLING TOOL	REMOVAL TOOL	
				WIRED CONTACT	UNWIRED CONTACT
262	M22520/2-01	M22520/2-03	M81969/2-01	M81969/3-01	M81969/30-01
264	M22520/2-01	M22520/2-03	M81969/2-02	M81969/3-01	M81969/30-01
266	M22520/1-01	M22520/1-08 RED	M81969/2-02	M81969/3-02	M81969/30-02
	M22520/7-01	M22520/7-09			
268	M22520/1-01	M22520/1-08 BLUE	M81969/2-03	M81969/3-03	M81969/30-03
	M22520/7-01	M22520/7-10			
270	M22520/1-01	M22520/1-08 YELLOW	M81969/2-04	M81969/3-04	M81969/30-04

TABLE 4 - PART NUMBERS

AS39029 PART NUMBER	BIN CODE	SUPERSEDED PART NUMBER(S)
M39029/33-262	262	M39029/33-261 MS3343A23-28 MS3343B23-28
M39029/33-264	264	M39029/33-263 MS3343A23-22 MS3343B23-22
M39029/33-266	266	M39029/33-265 MS3343A20-20 MS3343B20-20
M39029/33-268	268	M39029/33-267 MS3343A16-16 MS3343B16-16
M39029/33-270	270	M39029/33-269 MS3343A12-12 MS3343B12-12

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 PROVIDED IN PARENTHESES ARE METRIC EQUIVALENTS AND GIVEN 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	 AS39029/33A SHEET 3 OF 4
	(R) CONTACTS, ELECTRICAL CONNECTOR, SOCKET, CRIMP REMOVABLE (FOR MIL-C-81511 SERIES 1 CONNECTORS)	