

REV.
B

SAE AS39029/1

FEDERAL SUPPLY CLASS
5999

RATIONALE

REVISE TO INCORPORATE THE OUTSTANDING AMENDMENT AS REQUIRED BY SAE GUIDELINES AND UPDATE FORMAT, FIGURES AND TABLES.

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

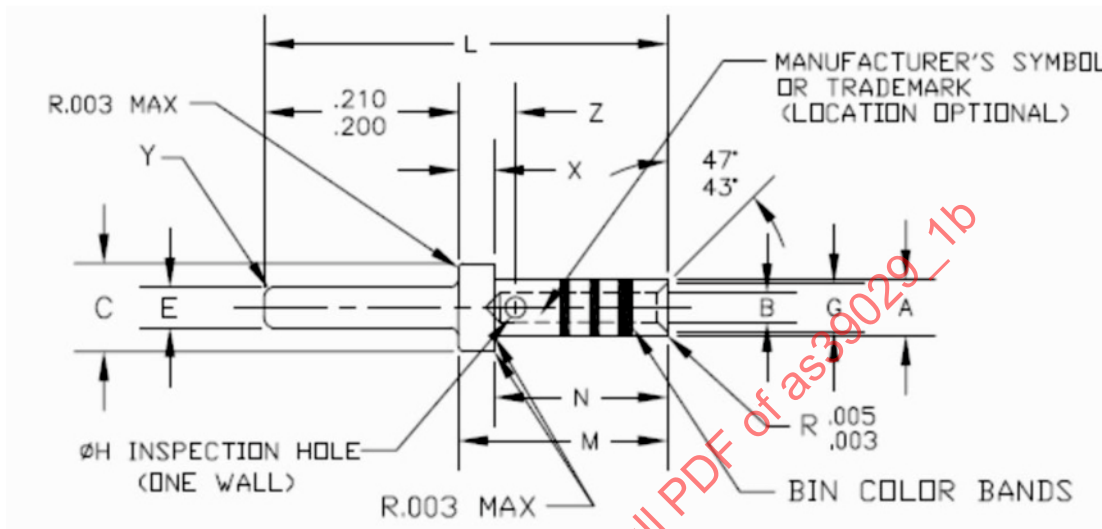
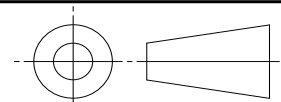


FIGURE 1 - AS39029/1 PIN CONTACT WITH SIZE 20 WIRE BARREL (BIN 101)

SAE values your input. To provide feedback on this Technical Report, please visit <http://www.sae.org/technical/standards/AS39029/1B>

THIRD ANGLE PROJECTION



CUSTODIAN: AE-8/AE-8C1

PROCUREMENT SPECIFICATION: AS39029

SAE Aerospace
An SAE International Group

AEROSPACE STANDARD

(R) CONTACTS, ELECTRICAL CONNECTOR, PIN, CRIMP REMOVABLE (FOR AS81714 TERMINAL JUNCTION SYSTEM)

SAE AS39029/1
SHEET 1 OF 5

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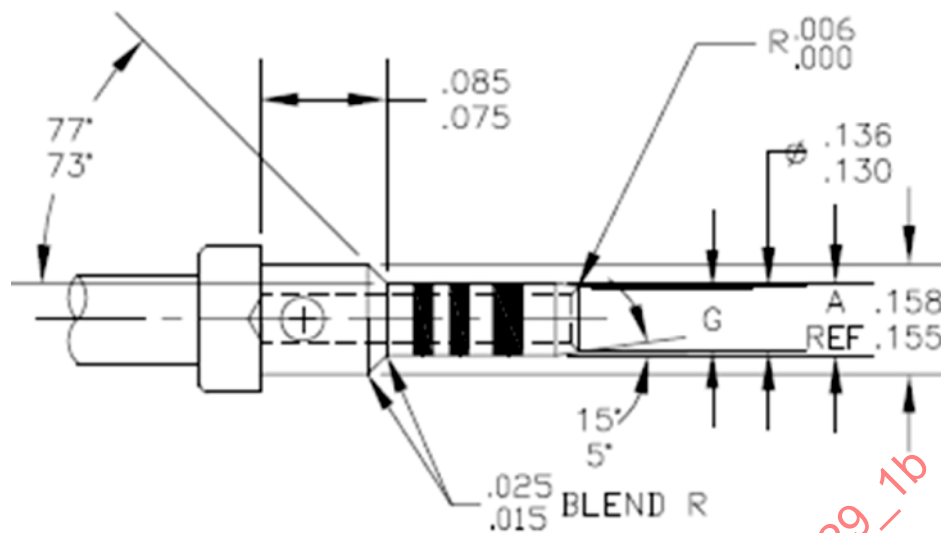
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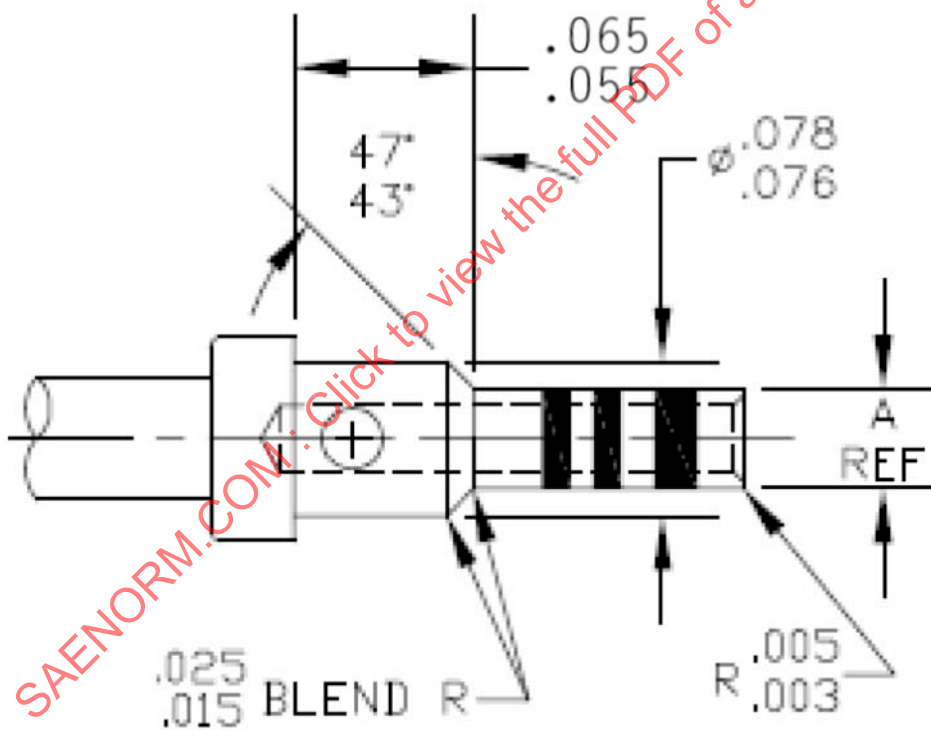
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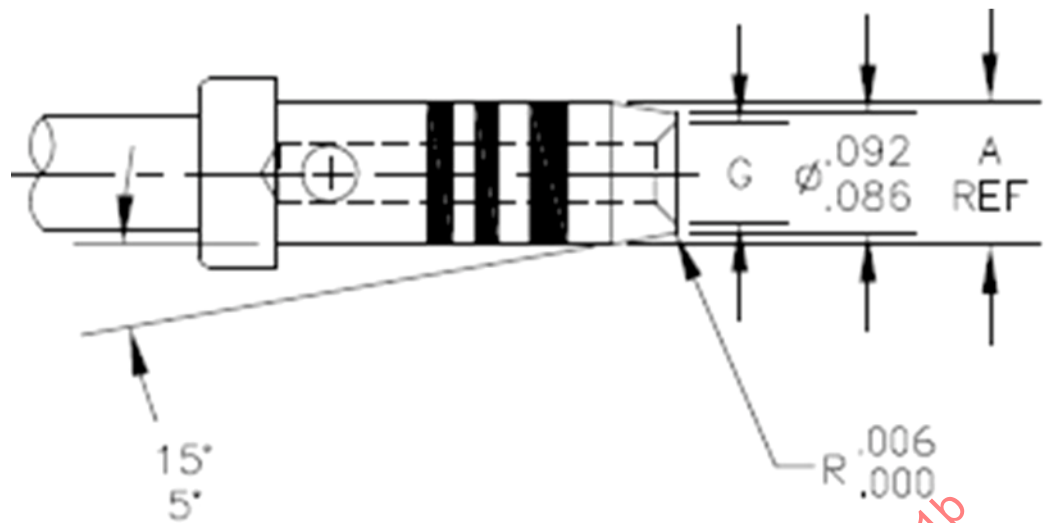


SIZE 12 WIRE BARREL (BIN 103)

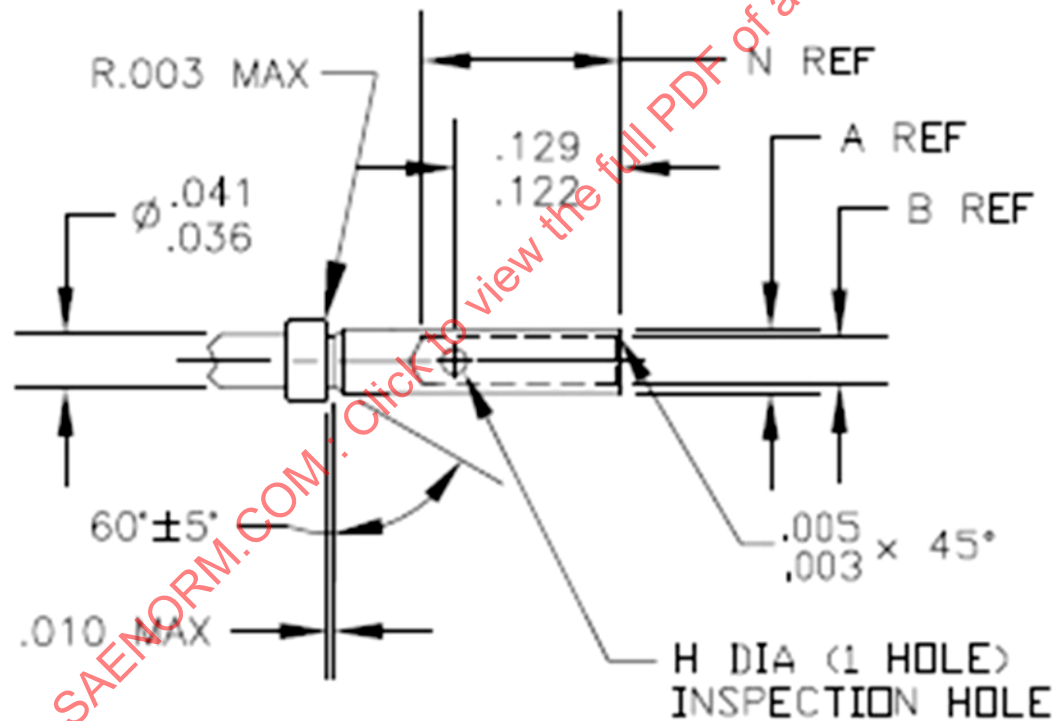


WIRE BARREL SIZE 22 (BIN 100)

FIGURE 1 - AS39029/1 PIN CONTACT WITH SIZE 20 WIRE BARREL (BIN 101) (CONTINUED)



WIRE BARREL SIZE 16 (BIN 102)



WIRE BARREL SIZE 22D (BIN 507)

FIGURE 1 - AS39029/1 PIN CONTACT WITH SIZE 20 WIRE BARREL (BIN 101) (CONTINUED)

SAE Aerospace An SAE International Group	AEROSPACE STANDARD (R) CONTACTS, ELECTRICAL CONNECTOR, PIN, CRIMP REMOVABLE (FOR AS81714 TERMINAL JUNCTION SYSTEM)	SAE AS39029/1 SHEET 3 OF 5	REV. B
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TABLE 1 - CONTACT DIMENSIONS

BIN CODE	A DIA	B DIA	C DIA	E DIA	G DIA	H DIA	L (REF)	M	N	X	Y RAD	Z
100	0.051 0.048	0.037 0.035	0.103 0.100	0.063 0.061	0.046 0.042	0.022 0.018	0.418	0.215 0.211	0.186 0.157	0.033 0.029	0.025 0.015	0.063 0.057
101	0.078 0.076	0.050 0.048	0.103 0.100	0.063 0.061	0.064 0.060	0.032 0.026	0.418	0.215 0.211	0.186 0.157	0.033 0.029	0.025 0.015	0.063 0.057
102	0.105 0.101	0.068 0.066	0.133 0.130	0.078 0.076	0.090 0.080	0.042 0.036	0.501	0.298 0.294	0.281 0.250	0.048 0.044	0.035 0.025	0.079 0.073
103	0.153 0.147	0.102 0.098	0.190 0.187	0.095 0.093	0.125 0.115	0.042 0.036	0.501	0.298 0.294	0.281 0.250	0.048 0.044	0.045 0.035	0.079 0.073
507	0.048 0.046	0.0355 0.0335	0.062 0.060	0.041 0.039	N/A	0.022 0.018	0.456	0.253 0.249	0.157 0.141	0.033 0.029	0.025 0.015	N/A

TABLE 2 - MARKING AND DESIGN CHARACTERISTICS

BIN CODE	COLOR BANDS			MATING END SIZE	WIRE BARREL SIZE	TYPE	CLASS
	1ST	2ND	3RD				
100	BROWN	BLACK	BLACK	16	22	A	B
101	BROWN	BLACK	BROWN	16	20		
102	BROWN	BLACK	RED	14	16		
103	BROWN	BLACK	ORANGE	12	12		
507	GREEN	BLACK	VIOLET	20	22D		

1/ BIN CODE 102 SHALL MEET ALL THE REQUIREMENTS OF SIZE 16-16 IN AS39029.

TABLE 3 - TOOL REQUIREMENTS

BIN CODE	BASIC CRIMPING TOOL	POSITIONER	INSTALLING/REMOVAL TOOL
100	M22520/2-01	M22520/2-11	M81969/14-10
101	M22520/1-01	M22520/1-02 Red	
	M22520/2-01	M22520/2-11	
102	M22520/1-01	M22520/1-02 Blue	M81969/14-03
103	M22520/1-01	M22520/1-02 Yellow	M81969/14-04
507	M22520/1-01	M22520/2-32	M81969/14-01 or M81969/1-04 or M81969/8-01 or M81969/8-02

TABLE 4 - PART NUMBERS

AS39029 PART NUMBER	BIN CODE	SUPERSEDED PART NUMBER(S)
M39029/1-100	100	M39029/1-16-22
M39029/1-101	101	M39029/1-16-20
M39029/1-102	102	M39029/1-14-16
M39029/1-103	103	M39029/1-12-12
M39029/1-507	507	M39029/1-20-22D