

REV.
D

AS39029™/1

FEDERAL SUPPLY CLASS
5999

RATIONALE

REVISION IS REQUIRED TO UPDATE THE TOOL PART NUMBERS IN TABLE 4.

NOTICE

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

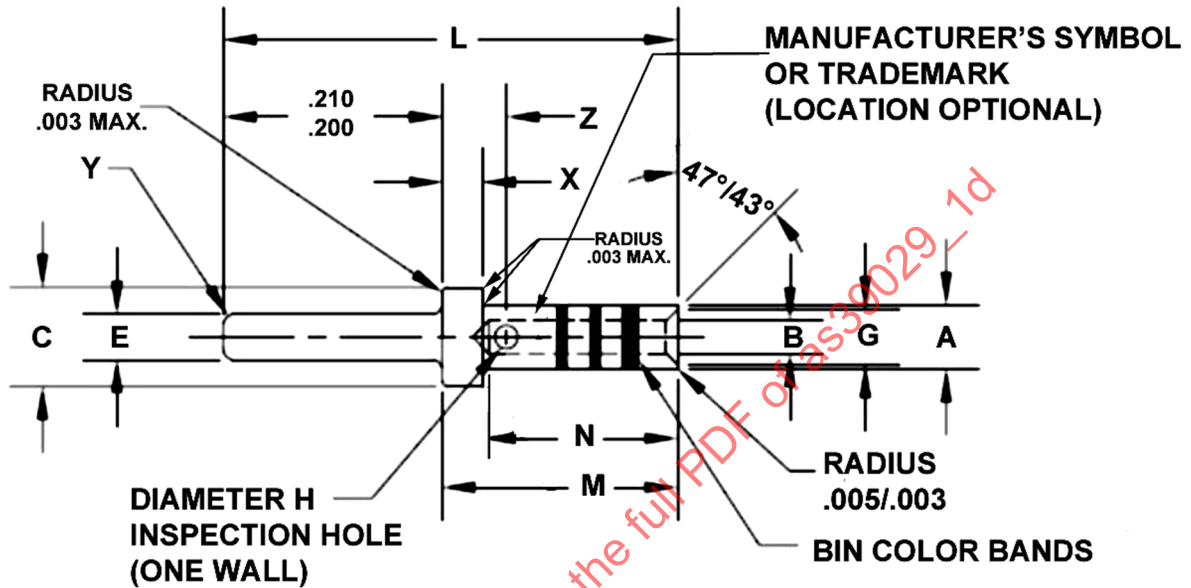


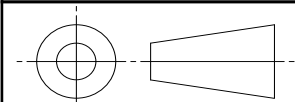
FIGURE 1 - AS39029/1 PIN CONTACT WITH SIZE 20 WIRE BARREL (BIN 101)

TABLE 1 - FIGURE 1 METRIC EQUIVALENTS

INCH	MILLIMETER	INCH	MILLIMETER
.003	0.076	.200	5.08
.005	0.127	.210	5.33

For more information on this standard, visit
<https://www.sae.org/standards/content/AS39029/1D>

THIRD ANGLE PROJECTION



CUSTODIAN: AE-8C1

PROCUREMENT SPECIFICATION: AS39029

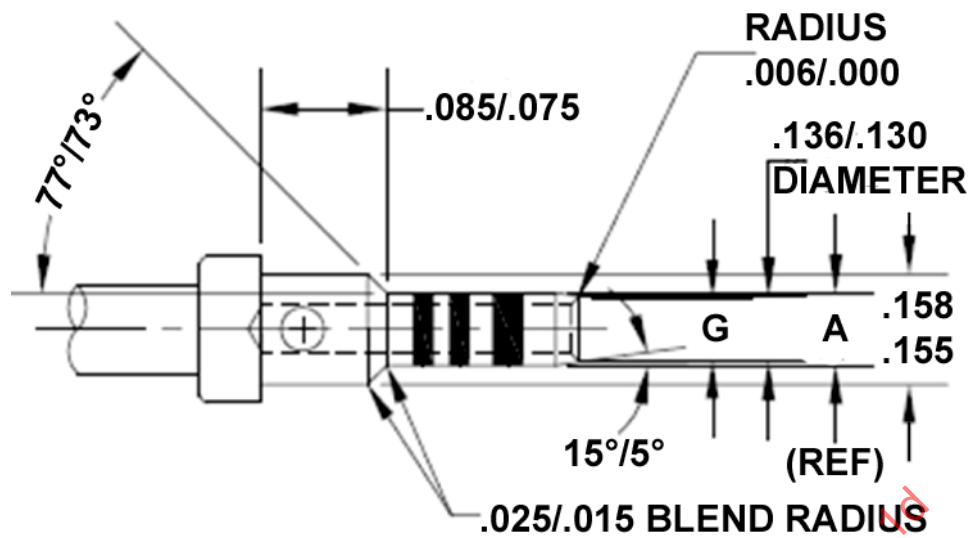


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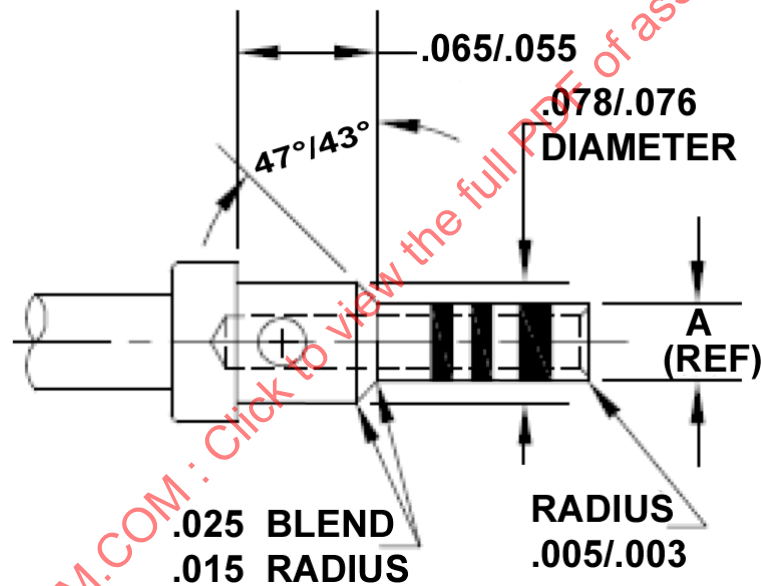
CONTACTS, ELECTRICAL CONNECTOR, PIN,
CRIMP REMOVABLE (FOR AS81714 TERMINAL
JUNCTION SYSTEM)

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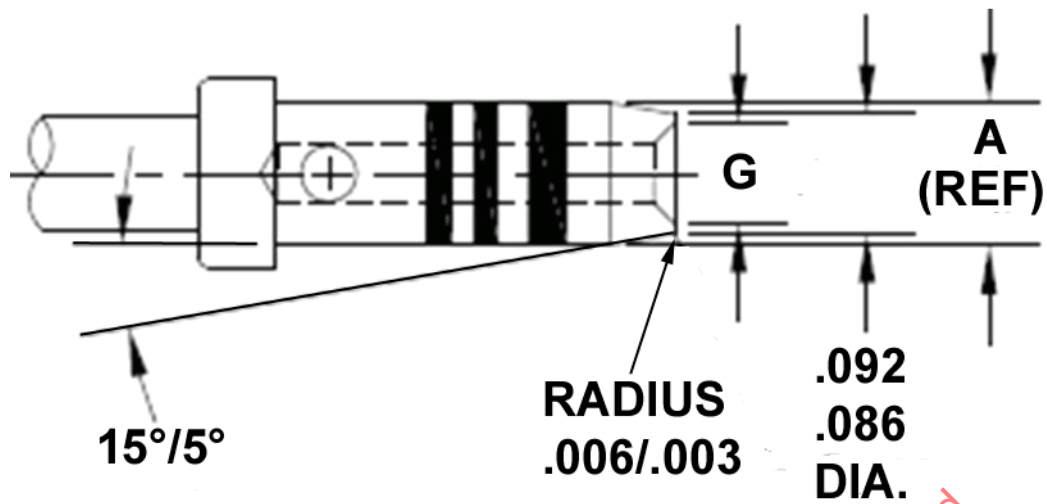
SIZE 12 WIRE BARREL (BIN 103)



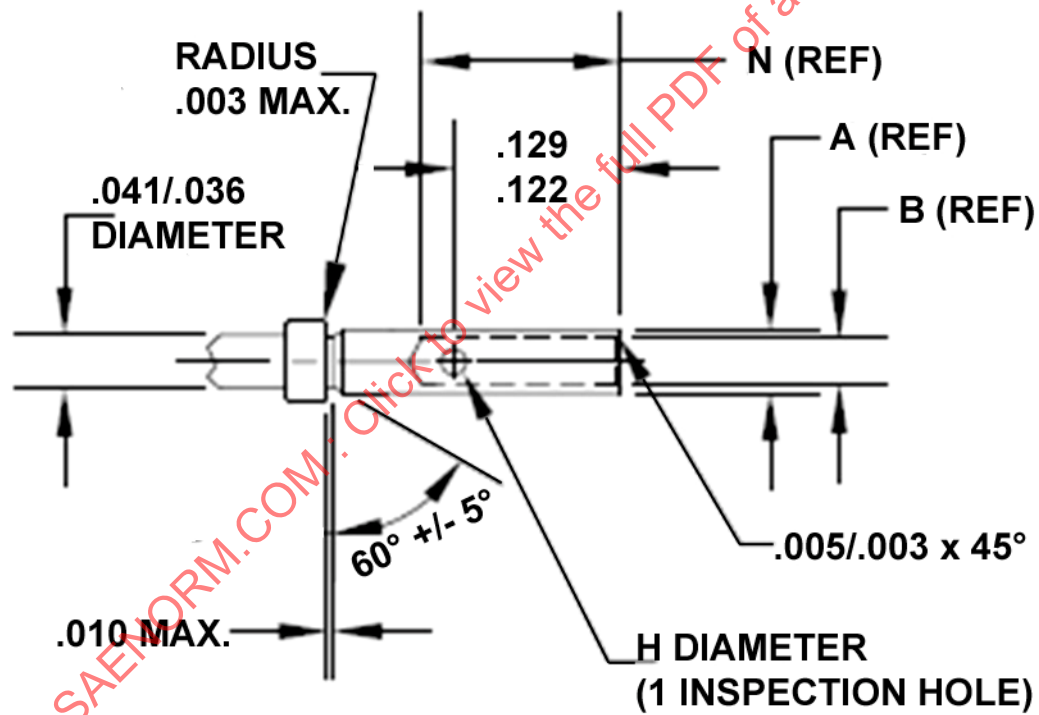
WIRE BARREL SIZE 22 (BIN 100)

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

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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)

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TABLE 2 - 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	.051	.037	.103	.063	.046	.022		.215	.186	.033	.025	.063
	(1.30)	(0.94)	(2.62)	(1.60)	(1.17)	(0.56)		(5.46)	(4.72)	(0.84)	(0.64)	(1.60)
	.048	.035	.100	.061	.042	.018	.418	.211	.157	.029	.015	.057
	(1.22)	(0.89)	(2.54)	(1.55)	(1.07)	(0.46)	(10.62)	(5.36)	(3.99)	(0.74)	(0.38)	(1.45)
101	.078	.050	.103	.063	.064	.032		.215	.186	.033	.025	.063
	(1.98)	(1.27)	(2.62)	(1.60)	(1.63)	(0.81)		(5.46)	(4.72)	(0.84)	(0.64)	(1.60)
	.076	.048	.100	.061	.060	.026	.418	.211	.157	.029	.015	.057
	(1.93)	(1.22)	(2.54)	(1.55)	(1.52)	(0.66)	(10.62)	(5.36)	(3.99)	(0.74)	(0.38)	(1.45)
102	.105	.068	.133	.078	.090	.042		.298	.281	.048	.035	.079
	(2.67)	(1.73)	(3.38)	(1.98)	(2.29)	(1.07)		(7.57)	(7.14)	(1.22)	(0.89)	(2.01)
	.101	.066	.130	.076	.080	.036	.501	.294	.250	.044	.025	.073
	(2.57)	(1.68)	(3.30)	(1.93)	(2.03)	(0.91)	(12.73)	(7.47)	(6.35)	(1.12)	(0.64)	(1.85)
103	.153	.102	.190	.095	.125	.042		.298	.281	.048	.045	.079
	(3.87)	(2.59)	(4.83)	(2.41)	(3.18)	(1.07)		(7.57)	(7.14)	(1.22)	(1.14)	(2.01)
	.147	.098	.187	.093	.115	.036	.501	.294	.250	.044	.035	.073
	(3.73)	(2.49)	(4.75)	(2.36)	(2.92)	(0.91)	(12.73)	(7.47)	(6.35)	(1.12)	(0.89)	(1.85)
507	.048	.0355	.062	.041		.022		.253	.157	.033	.025	
	(1.22)	(0.90)	(1.57)	(1.04)	N/A	(0.56)		(6.43)	(3.99)	(0.84)	(0.64)	
	.046	.0335	.060	.039		.018	.456	.249	.141	.029	.015	N/A
	(1.17)	(0.85)	(1.52)	(0.99)		(0.46)	(11.58)	(6.32)	(3.58)	(0.74)	(0.38)	

TABLE 3 - 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.



AEROSPACE STANDARD

CONTACTS, ELECTRICAL CONNECTOR, PIN,
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