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REV.
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AS39029™/106

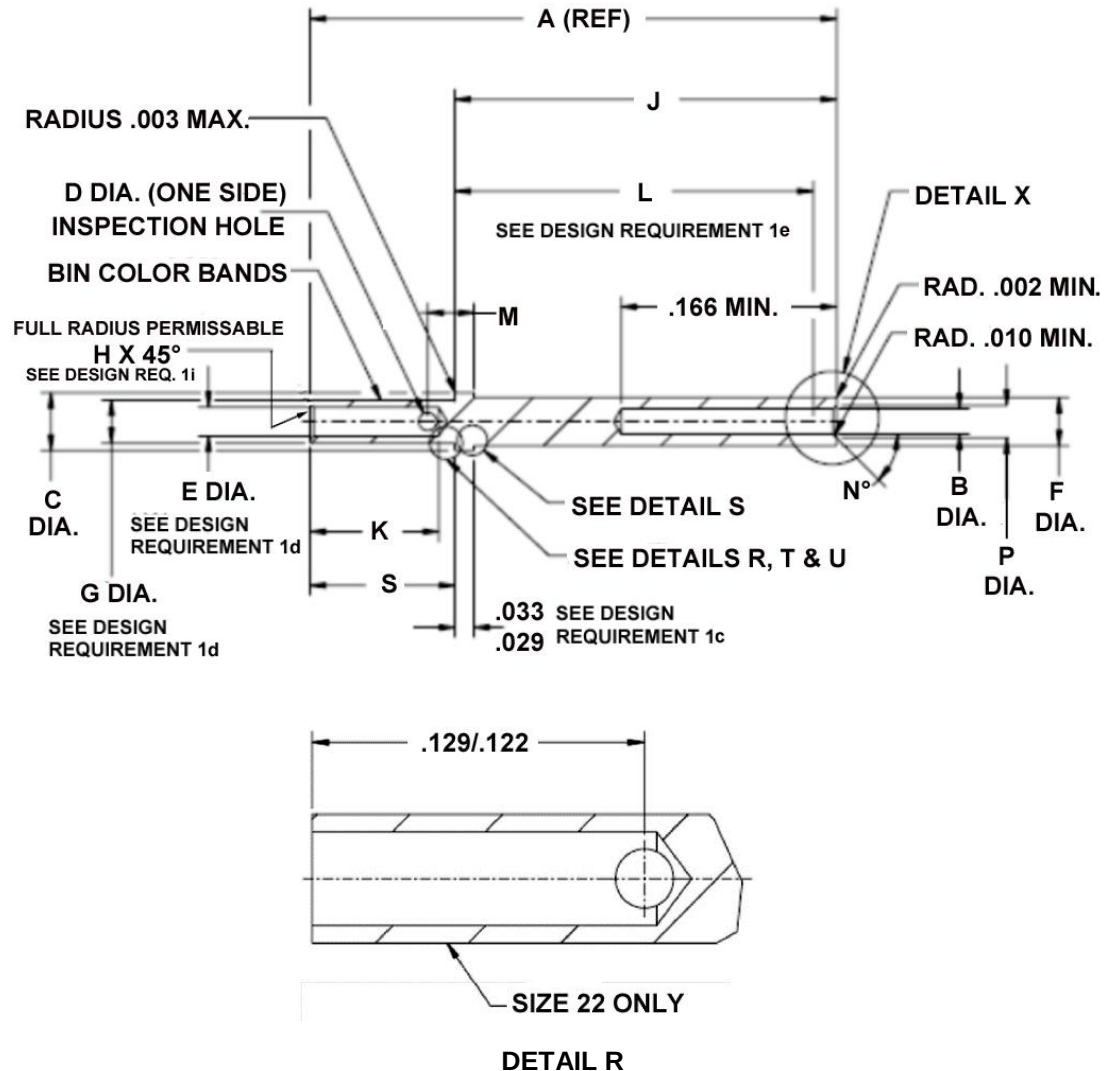
FEDERAL SUPPLY CLASS
5999

RATIONALE

REVISION IS REQUIRED TO INCLUDE THE ADDITIONAL ELECTRICAL AND QUALIFICATION REQUIREMENTS TO ALIGN THIS DETAIL SHEET WITH THE APPLICABLE MIL-DTL-38999 SERIES III CONNECTOR REQUIREMENTS, TO REPLACE THE BIN 618 COMMERCIAL TOOL PART NUMBERS WITH THE AS22520/45-01 NUMBER, AND TO INCORPORATE THE AS39029 BASE SPEC DETAIL SHEET EXCEPTIONS.

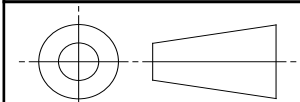
NOTICE

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



For more information on this standard, visit
<https://www.sae.org/standards/content/AS39029/106C>

THIRD ANGLE PROJECTION



CUSTODIAN: AE-8/AE-8C1

PROCUREMENT SPECIFICATION: AS39029



AEROSPACE STANDARD

(R) CONTACTS, ELECTRICAL CONNECTOR, SOCKET, CRIMP REMOVABLE, (FOR MIL-DTL-38999 SERIES I, III, IV, MIL-DTL-55302 AND AS29600 SERIES A CONNECTORS)

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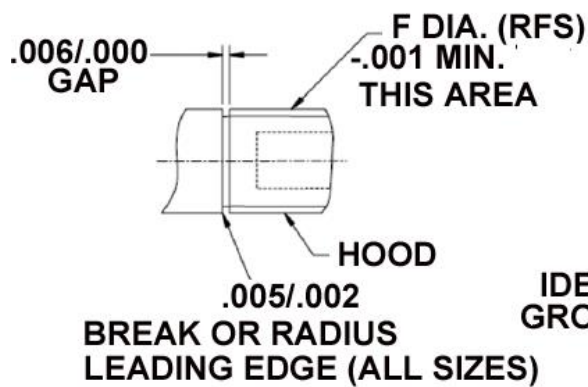
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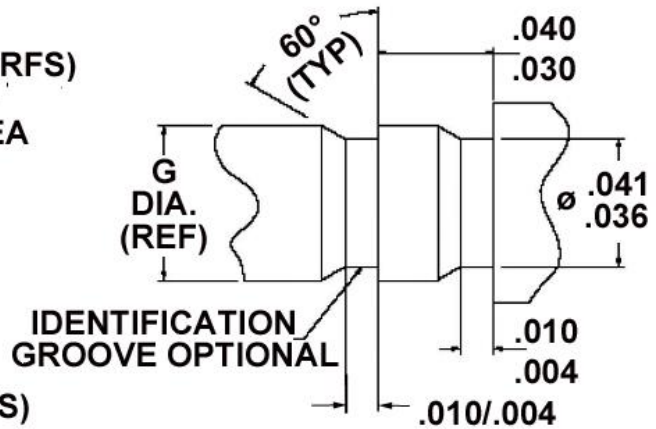
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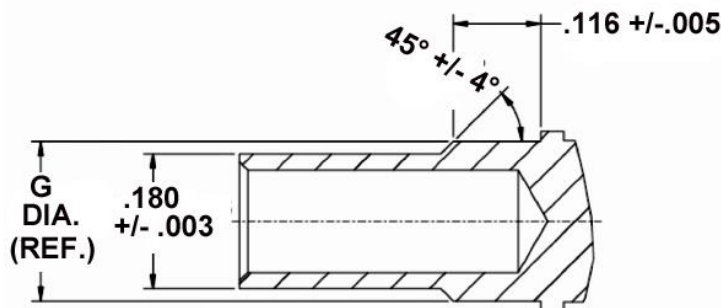
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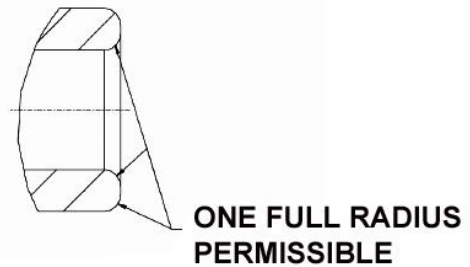
DETAIL S (ALL SIZES)



DETAIL T (SIZE 22 ONLY)



DETAIL U--SIZE 10 ONLY



DETAIL X
CONTACT MATING END

FIGURE 1 (CONTINUED) - AS39029/106 SOCKET (SEE DESIGN REQUIREMENTS)

TABLE 1 - FIGURE 1 METRIC EQUIVALENTS

INCHES	MILLIMETERS	INCHES	MILLIMETERS	INCHES	MILLIMETERS	INCHES	MILLIMETERS
.001	0.03	.006	0.15	.036	0.91	.129	3.28
.002	0.05	.010	0.25	.040	1.02	.166	4.22
.003	0.08	.029	0.74	.041	1.04	.180	4.57
.004	0.10	.030	0.76	.116	2.95		
.005	0.13	.033	0.84	.122	3.10		



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TABLE 2 - FIGURE 1 CONTACT DIMENSIONS

BIN CODE	A REF.	B DIA. MIN.	C DIA.	D DIA.	E DIA.	F DIA. MAX.	G DIA.	H <u>1/</u>	J	K MIN.
614	.855 (21.72)	.031 (0.787)	.062 (1.57) .060 (1.52)	.022 (0.559) .018 (0.457)	.0355 (0.902) .0335 (0.851)	.062 (1.57)	.048 (1.22) .046 (1.17)	.005 (0.127) .003 (0.076)	.626 (15.90) .616 (15.65)	.141 (3.58)
615		.0415 (1.05)	.094 (2.39) .091 (2.31)	.032 (0.813) .026 (0.660)	.048 (1.22) .046 (1.17)	.078 (1.98)	.070 (1.78) .068 (1.73)	.010 (0.254)		.209 (5.31)
616		.064 (1.63)	.130 (3.30) .127 (3.23)	.042 (1.07) .036 (0.914)	.068 (1.73) .066 (1.68)	.113 (2.87)	.103 (2.62) .101 (2.57)	.005 (0.127)		
617		.0955 (2.43)	.182 (4.62) .179 (4.55)		.102 (2.59) .098 (2.49)	.161 (4.09)	.151 (3.84) .148 (3.76)	.016 (0.406)		
618	1.021 (25.93)	.1265 (3.21)	.242 (6.15) .238 (6.05)	.052 (1.32) .040 (1.02)	.140 (3.56) .134 (3.40)	.215 (5.46)	.213 (5.41) .207 (5.26)	.005 (0.127)		.355 (9.02)

1/ FULL RADIUS PERMISSIBLE.

TABLE 2 - FIGURE 1 CONTACT DIMENSIONS (CONTINUED)

BIN CODE	L MIN. <u>3/</u>	M	N°	P DIA. MIN.	S
614	.585 (14.86)	-- --	50 44	.047 (1.19)	.237 (6.02) .231 (5.87)
615		.078 (1.98) .072 (1.83)	47 40	.053 (1.35)	
616		.088 (2.24)	47 40	.084 (2.13)	
617		.082 (2.08)	47 40	.118 (3.00)	
618		.115 (2.92) .108 (2.74)	N/A <u>2/</u>	.146 (3.71) <u>2/</u>	.405 (10.29) .395 (10.03)

2/ FULL RADIUS PERMISSIBLE.3/ SEE DESIGN REQUIREMENT FOR DIMENSION L.

TABLE 3 - MARKING AND DESIGN CHARACTERISTICS

BIN CODE	COLOR BANDS			MATING END SIZE	WIRE BARREL SIZE	TYPE	CLASS
	1 ST	2 ND	3 RD				
614	BLUE	BROWN	YELLOW	22	22D	A	B
615	BLUE	BROWN	GREEN	20	20		
616	BLUE	BROWN	BLUE	16	16		
617	BLUE	BROWN	VIOLET	12	12		
618	BLUE	BROWN	GRAY	10	10		

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