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REV.
C

AS39029™/101

FEDERAL SUPPLY CLASS
5935

RATIONALE

A LIMITED SCOPE REVISION IS REQUIRED TO REMOVE THE AS81969/16-01 TOOL FROM TABLE 5, BIN CODE 553; IT IS NO LONGER APPLICABLE.

NOTICE

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

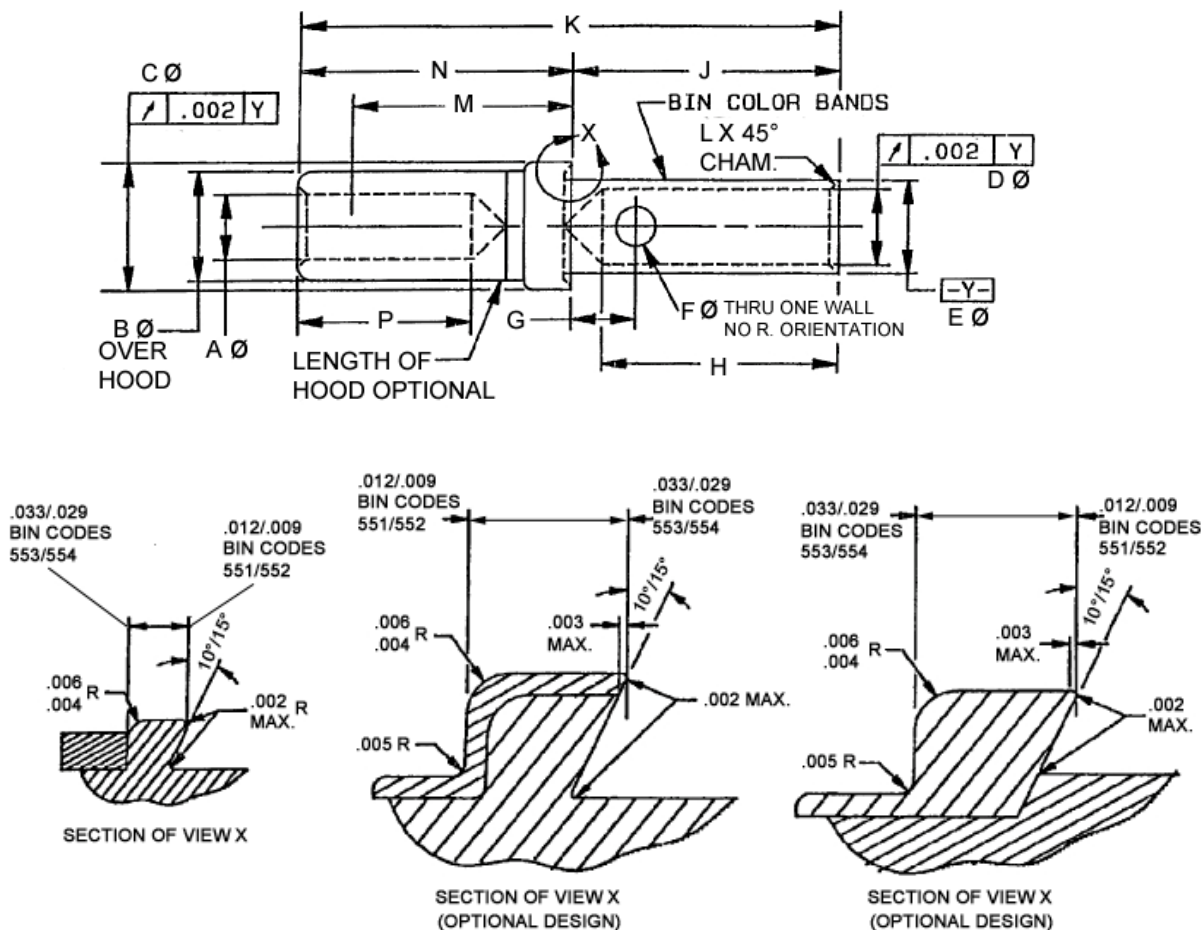
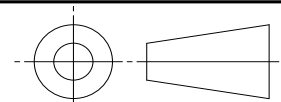


FIGURE 1 - SOCKET CONTACT

For more information on this standard, visit
<https://www.sae.org/standards/content/AS39029/101C>

THIRD ANGLE PROJECTION



CUSTODIAN: AE-8C1

PROCUREMENT SPECIFICATION: AS39029



AEROSPACE STANDARD

CONTACTS, ELECTRICAL CONNECTOR, SOCKET,
CRIMP REMOVABLE (FOR MIL-DTL-12883/44,
MIL-DTL-12883/45, MIL-DTL-12883/46,
AND MIL-DTL-12883/52 RELAY)

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TABLE 1 - DIMENSIONS

BIN CODE	A DIA	B DIA MAX	C DIA	D DIA	E DIA	F DIA	G	H	J	K REF	L CHAM.	M MIN	N	P
551	.033 (.84)	.060 (1.52)	.0615 (1.56)	.0200 (.508)	.0480 (1.22)	.022 (.559)				.327 (8.31)	.006 (.152)	.130 (3.30)	.166 (4.22)	
552	.031 (.79)			.0180 (.457)										
				.0355 (.902)	.0465 (1.18)	.018 (.457)					.003 (.076)		.158 (4.01)	
				.0335 (.851)			.025 (.635)	.175 (4.45)	.170 (4.32)					.137 (3.48)
553	.044 (1.12)	.076 (1.93)	.094 (2.39)	.048 (1.22)	.070 (1.78)	.027 (.686)	.021 (.533)	.160 (4.06)	.160 (4.06)				.188 (4.78)	.120 (3.05)
	.042 (1.07)		.091 (2.31)	.046 (1.17)	.068 (1.73)									
554	.066 (1.68)	.108 (2.74)	.130 (3.30)	.068 (1.73)	.103 (2.62)	.023 (.584)						.150 (3.81)	.180 (4.57)	
	.064 (1.63)		.127 (3.23)	.066 (1.68)	.101 (2.57)									

TABLE 2 - DESIGN CHARACTERISTICS

BIN CODE	COLOR BANDS			MATING END SIZE (REF)	WIRE BARREL SIZE	TYPE	CLASS
	1 ST	2 ND	3 RD				
551	GREEN	GREEN	BROWN	22	28	A	A
552	GREEN	GREEN	RED	22	22		
553	GREEN	GREEN	ORANGE	20	20		
554	GREEN	GREEN	YELLOW	16	16		

TABLE 3 - ENGAGEMENT AND SEPARATION

BIN CODE	MINIMUM SEPARATION FORCE FOR MINIMUM PIN DIAMETER (OUNCES)	AVERAGE ENGAGEMENT FORCE FOR MAXIMUM PIN DIAMETER (OUNCES)	MAXIMUM SEPARATION FORCE FOR MINIMUM PIN DIAMETER (OUNCES)	MINIMUM SEPARATION FORCE FOR MINIMUM PIN DIAMETER (OUNCES)	AVERAGE ENGAGEMENT FORCE FOR MAXIMUM PIN DIAMETER (OUNCES)	MAXIMUM ENGAGEMENT FORCE FOR MAXIMUM PIN DIAMETER (OUNCES)
553	.7	20	25	.6	22	29
554	2.0	32	40	1.5	37	46



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