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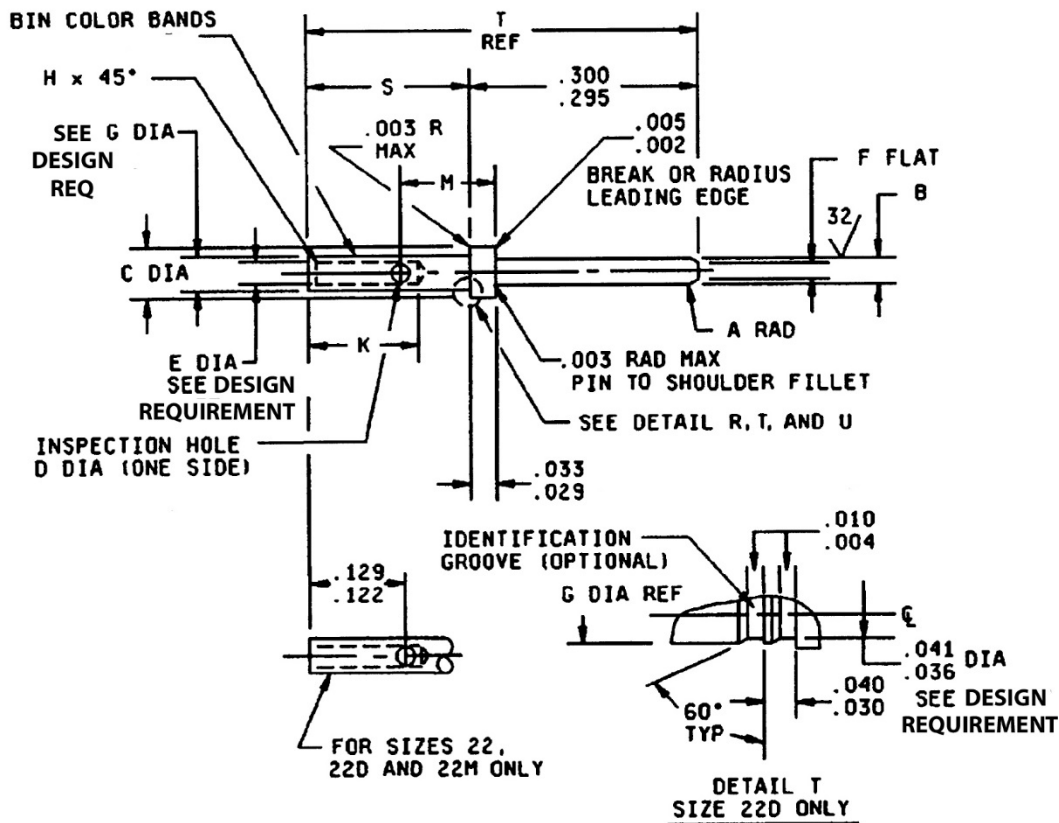
FEDERAL SUPPLY CLASS
5935

RATIONALE

REVISION IS REQUIRED TO ADD AN APPLICATION NOTE TO POINT OUT THIS CONTACT IS TESTED TO LESS STRINGENT INITIAL QUALIFICATION REQUIREMENTS THAN WHAT IS REQUIRED BY THE APPLICABLE MIL-DTL-38999 CONNECTOR SPECIFICATION.

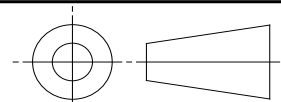
NOTICE

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



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THIRD ANGLE PROJECTION



CUSTODIAN: AE-8/AE-8C1

PROCUREMENT SPECIFICATION: AS39029



AEROSPACE STANDARD

CONTACTS, ELECTRICAL CONNECTOR, PIN, CRIMP
REMOVABLE (FOR MIL-DTL-38999 SERIES I, II, III,
AND IV, AND MIL-DTL-55302/69 AND MIL-DTL-83733 CONNECTORS)

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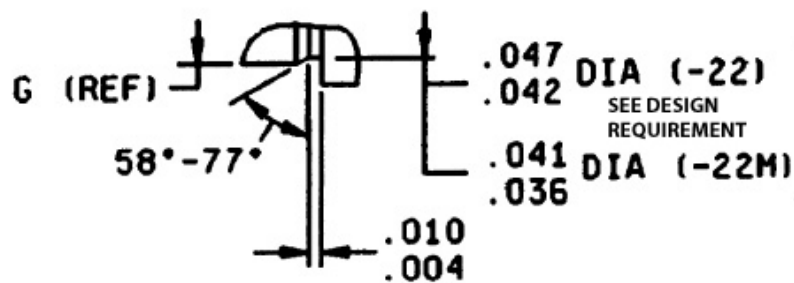
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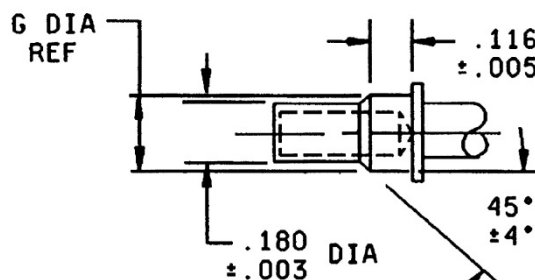
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DETAIL R
SIZES 22, 22M ONLY



DETAIL U (SIZE 10 ONLY)

FIGURE 1 - CONNECTOR CONTACT (CONTINUED)

TABLE 1 - DIMENSIONS

BIN CODE	A RADIUS	B DIA	C DIA	D DIA	E DIA	F DIA	G DIA	H
360, 986	.020	.0305 (0.774) .0295 (0.749)	.062 (1.57)	.022 (0.56) .018 (0.46)	.0355 (0.90) .0335 (0.85)	.011 (0.28) MAX	.048 (1.22) .046 (1.17)	.005 (0.13) .003 (0.08)
361	(0.508) .010		.060 (1.52)		.029 (0.74) .027 (0.69)		.046 (1.17) .044 (1.12)	
362	(0.254)		.071 (1.80) .069 (1.75)		.0375 (0.95) .0355 (0.90)		.052 (1.32) .050 (1.27)	
363	.025 (0.635) .015 (0.381)	.041 (1.04) .039 (0.991)	.094 (2.39) .091 (2.31)	.032 (0.81) .026 (0.66)	.048 (1.22) .046 (1.17)	.015 (0.38) MAX	.070 (1.78) .068 (1.73)	.010 (0.25) .005 (0.13)
364	.025 (0.635)	.0635 (1.613) .0615 (1.562)	.130 (3.30) .127 (3.23)	.042 (1.07) .036 (0.914)	.068 (1.73) .066 (1.68)	.030 (0.76) .011 (0.28)	.103 (2.62) .101 (2.57)	
365	.020 (0.508)	.095 (2.41) .093 (2.36)	.182 (4.62) .179 (4.55)		.102 (2.59) .098 (2.49)	.062 (1.57) .043 (1.09)	.151 (3.84) .148 (3.76)	
528		.126 (3.20) .124 (3.15)	.242 (6.15) .238 (6.05)	.052 (1.32) .040 (1.02)	.140 (3.56) .134 (3.40)	.094 (2.39) .074 (1.88)	.213 (5.41) .207 (5.26)	.016 (0.41) .005 (0.13)



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TABLE 1 - DIMENSIONS (CONTINUED)

BIN CODE	K MIN	M	S	T (REF)
360, 986	.141 (3.58)	-----	.237 (6.02) .231 (5.87)	.531 (13.49)
361		-----		
362		-----		
363	.209 (5.31)	.078 (1.98) .072 (1.83)		
364		.088 (2.24)		
365		.082 (2.08)		
528	.355 (9.02)	.115 (2.92) .108 (2.74)	.405 (10.29) .395 (10.03)	.647 (16.43)

TABLE 2 - DESIGN CHARACTERISTICS

BIN CODE	COLOR BANDS			MATING END SIZE	WIRE BARREL SIZE	TYPE	CLASS
	1 ST	2 ND	3 RD				
360	ORANGE	BLUE	BLACK	22	22D	A	B
361	ORANGE	BLUE	BROWN	22	22M		
362	ORANGE	BLUE	RED	22	22		
363	ORANGE	BLUE	ORANGE	20	20		
364	ORANGE	BLUE	YELLOW	16	16		
365	ORANGE	BLUE	GREEN	12	12		
528	GREEN	RED	GRAY	10	10		
986 1/	WHITE	GRAY	BLUE	22	22D		

1/ CONTACT IS INTENDED FOR USE WITH MIL-DTL-24308 CLASS M AND N NON-MAGNETIC CONNECTORS ONLY. THE FINISH SHALL BE GOLD PLATING IN ACCORDANCE WITH ASTM B488, TYPE II, CODE C, CLASS 1.27 OVER A SUITABLE UNDERPLATE. SILVER AND/OR NICKEL SHALL NOT BE USED AS AN UNDERPLATE.

TABLE 3 - TOOLS

BIN CODE	BASIC CRIMPING TOOL	POSITIONER	INSTALLING TOOL 1/	REMOVAL TOOL 1/	
				WIRED CONTACT	UNWIRED CONTACT
360, 986	M22520/2-01 M22520/7-01	M22520/2-09 M22520/7-07	M81969/14-01 (ALL PLASTIC) M81969/8-01 (ANGLE, METAL) M81969/8-301 (INLINE, METAL)	M81969/14-01 (ALL PLASTIC) M81969/8-02 (ANGLE, METAL) M81969/8-302 (INLINE, METAL)	DANIELS PART NUMBER (DRK276-23) 2/
361	M22520/2-01 M22520/7-01	M22520/2-09 M22520/7-07	M81969/14-01 (ALL PLASTIC) M81969/8-01 (ANGLE, METAL) M81969/8-301 (INLINE, METAL)	M81969/14-01 (ALL PLASTIC) M81969/8-02 (ANGLE, METAL) M81969/8-302 (INLINE, METAL)	DANIELS PART NUMBER (DRK276-23) 2/
362	M22520/2-01 M22520/7-01	M22520/2-09 M22520/7-07	M81969/8-03	M81969/8-04	M81969/30-08
363	M22520/2-01 M22520/7-01 M22520/1-01	M22520/2-10 M22520/7-08 M22520/1-04 (RED)	M81969/14-10 (ALL PLASTIC) M81969/8-05 (ANGLE, METAL) M81969/8-305 (INLINE, METAL)	M81969/14-10 (ALL PLASTIC) M81969/8-06 (ANGLE, METAL) M81969/8-306 (INLINE, METAL)	M81969/30-11
364	M22520/1-01 M22520/7-01	M22520/1-04 (BLUE) M22520/7-04	M81969/14-03 (ALL PLASTIC) M81969/8-07 (ANGLE, METAL) M81969/8-307 (INLINE, METAL)	M81969/14-03 (ALL PLASTIC) M81969/8-08 (ANGLE, METAL) M81969/8-308 (INLINE, METAL)	M81969/30-12
365	M22520/1-01	M22520/1-04 (YELLOW)	M81969/14-04 (ALL PLASTIC) M81969/8-09 (ANGLE, METAL) M81969/8-309 (INLINE, METAL)	M81969/14-04 (ALL PLASTIC) M81969/8-10 (ANGLE, METAL) M81969/8-310 (INLINE, METAL)	M81969/30-13
528	M22520/45-01	POSITIONER BUILT INTO BASIC TOOL	M81969/14-05 (ALL PLASTIC) M81969/8-11 (ANGLE, METAL) M81969/8-311 (INLINE, METAL)	M81969/14-05 (ALL PLASTIC) M81969/8-12 (ANGLE, METAL) M81969/8-312 (INLINE, METAL)	DANIELS PART NUMBER (DRK514B) 2/

1/ SEE APPLICATION NOTE 2.

2/ OR EQUIVALENT.

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	CONTACTS, ELECTRICAL CONNECTOR, PIN, CRIMP REMOVABLE (FOR MIL-DTL-38999 SERIES I, II, III, AND IV, AND MIL-DTL-55302/69 AND MIL-DTL-83733 CONNECTORS)		



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