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REV.
C

AS39029™/73

RATIONALE

LIMITED SCOPE REVISION IS REQUIRED TO DELETE MIL-DTL-83527 FROM THE DOCUMENT TITLE, TO DELETE THE RELATED FOOTNOTE FROM TABLE 2 AND TO UPDATE THE SAE TITLE INFORMATION THAT WAS NOT UPDATED AS A RESULT OF REVISION B.

NOTICE

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

FEDERAL SUPPLY CLASS
5935

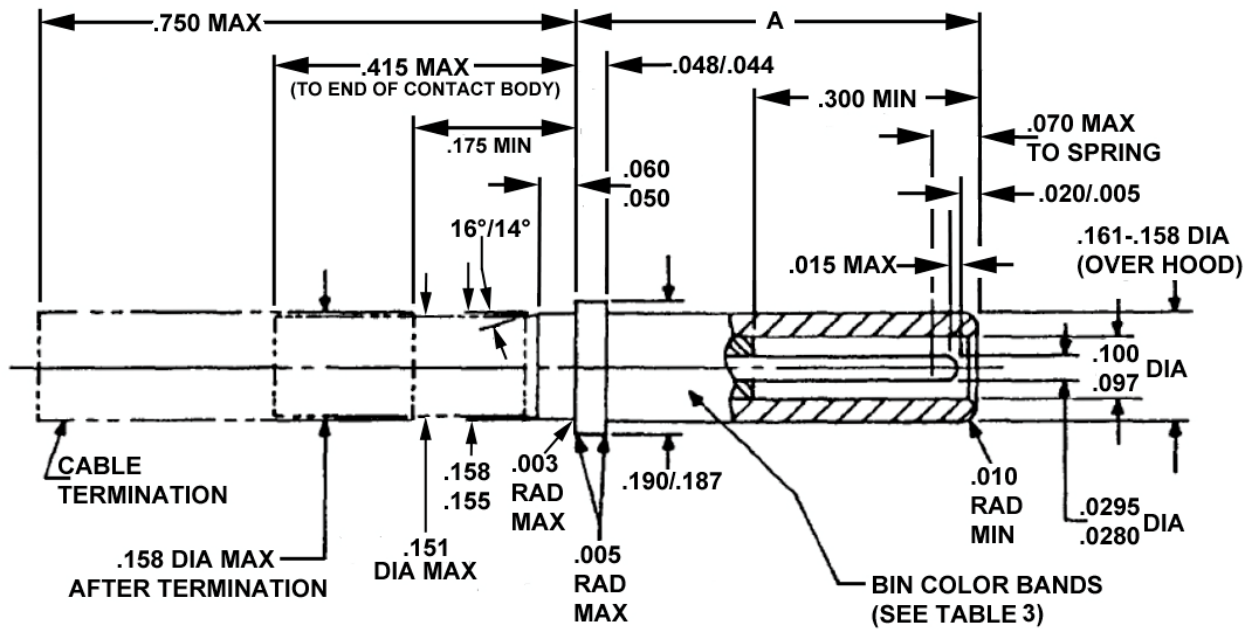


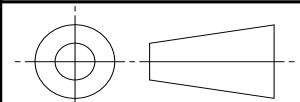
FIGURE 1 - CONNECTOR CONTACT CONFIGURATION/DIMENSIONS

TABLE 1 - FIGURE 1 METRIC EQUIVALENTS

INCH	MILLIMETERS	INCH	MILLIMETERS	INCH	MILLIMETERS
.003	0.08	.048	1.22	.155	3.94
.005	0.13	.050	1.27	.158	4.01
.010	0.25	.060	1.52	.161	4.09
.015	0.38	.070	1.78	.175	4.45
.020	0.51	.087	2.21	.190	4.83
.0280	0.71	.097	2.46	.300	7.62
.0295	0.75	.100	2.54	.750	19.05
.044	1.12	.151	3.84		

For more information on this standard, visit
<https://www.sae.org/standards/content/AS39029/73C/>

THIRD ANGLE PROJECTION



CUSTODIAN: AE-8C1

PROCUREMENT SPECIFICATION: AS39029



AEROSPACE STANDARD

CONTACTS, ELECTRICAL CONNECTORS, SOCKET,
SOLDER, REMOVABLE, SHIELDED, SIZE 12
(FOR MIL-DTL-83723 SERIES III CONNECTORS)

AS39029™/73
SHEET 1 OF 5

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Documents

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TABLE 2 - FIGURE 1 DIMENSIONS

BIN CODE	A
396, 397, 398	.500 (12.7) .492 (12.50)
555	.715 (18.16) .705 (17.91)

TABLE 3 - DESIGN AND DIMENSIONS

BIN CODE	COLOR BAND			CABLE ACCOMMODATION (SEE FIGURE 2)				SHIELD PREPARATION TECHNIQUE	TEST CABLES	TYPE	CLASS
	1 ST	2 ND	3 RD	A 1/	B 2/	C 3/	D 4/				
396	ORANGE	WHITE	BLUE	.026 (0.66) MAX .011 (0.28) MIN	.105 (2.67) MAX .093 (2.36) MIN	.124 (3.15) MAX .112 (2.84) MIN	.145 (3.68) MAX .120 (3.05) MIN	STRAIGHT	M17/095-RG180	D	A
397	ORANGE	WHITE	VIOLET	.026 (0.66) MAX .011 (0.28) MIN	.081 (2.06) MAX .055 (1.40) MIN	.099 (2.51) MAX .077 (1.96) MIN	.140 (3.56) MAX .094 (2.39) MIN	STRAIGHT	M17/094-RG179		
				.026 (0.66) MAX .011 (0.28) MIN	.045 (1.14) MAX .030 (0.76) MIN	.099 (2.51) MAX .077 (1.96) MIN AFTER FOLDBACK	.140 (3.56) MAX .094 (2.39) MIN AFTER BUILD-UP	FOLDBACK	M17/093-RG178		
398	ORANGE	WHITE	GRAY	24 AND 26 AWG TWISTED PAIR				N/A	TWISTED PAIR 24 AND 26 AWG PER MIL-DTL-55021		
555	GREEN	GREEN	GREEN	.026 (0.66) MAX .011 (0.28) MIN	.081 (2.06) MAX .055 (1.40) MIN	.099 (2.51) MAX .077 (1.96) MIN	.140 (3.56) MAX .094 (2.39) MIN	STRAIGHT	M17/094-RG179		

1/ A. CONDUCTOR DIAMETER.

2/ B. DIELECTRIC DIAMETER.

3/ C. SHIELD DIAMETER.

4/ D. JACKET DIAMETER.

TABLE 4 - TOOLS

BIN CODE	STANDARD FIXTURE		REPAIR FIXTURE	HEATING TOOL	INSTALLING AND REMOVAL TOOL
	BASIC FIXTURE	ADAPTER			
396, 397, 398	AD-1319 RAYCHEM 1/	AT-1319-19 RAYCHEM 1/	AD-1494 RAYCHEM 1/	2/	M81969/14-04
555	AD-1319 RAYCHEM 1/	AT-1319-25 RAYCHEM 1/	AD-1569 RAYCHEM 1/	2/	M81969/14-04

1/ OR EQUIVALENT.

2/ HEAT GUN USED FOR INSTALLATION OF THE CONTACT IS APPROVED BY THE PROCURING ACTIVITY BASED ON THE APPLICATION REQUIREMENTS. HEAT GUN TYPES MAY INCLUDE THE HT-900B, MCH-100 OR EQUIVALENT.

	AEROSPACE STANDARD		AS39029™/73 SHEET 2 OF 5	REV. C
	I	CONTACTS, ELECTRICAL CONNECTORS, SOCKET, SOLDER, REMOVABLE, SHIELDED, SIZE 12 (FOR MIL-DTL-83723 SERIES III CONNECTORS)		


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