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REV.
D

AS39029™/29

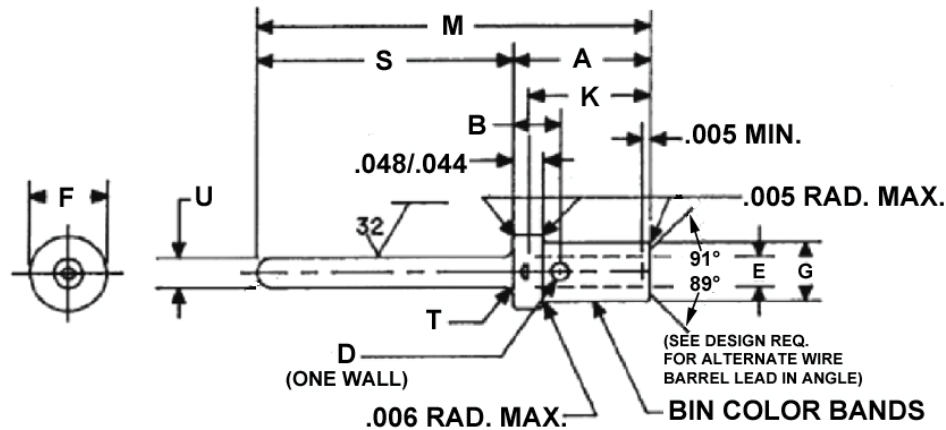
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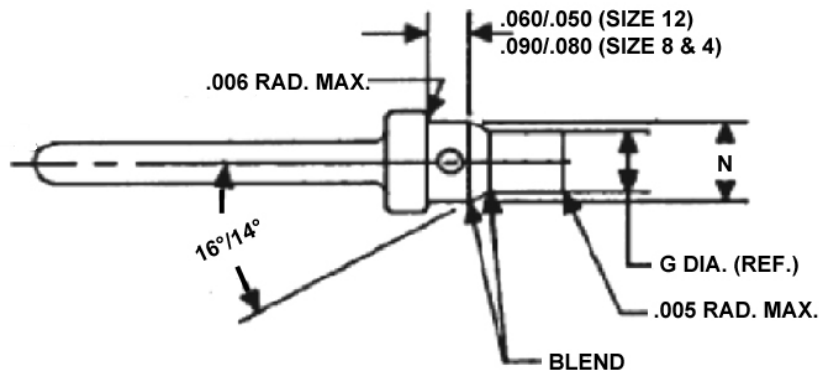
REVISION REQUIRED TO UPDATE THE TOOL TABLE AND CORRECT MINOR TECHNICAL ERRORS AS NEEDED.

NOTICE

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



MATING PIN SIZES 16, 0 CONTACTS AND ALL WIRE BARREL SIZES

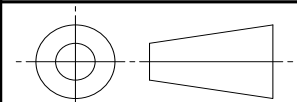


MATING PIN SIZES 12, 8, 4 CONTACTS

FIGURE 1 - PIN CONTACT CONFIGURATION AND DIMENSIONS

For more information on this standard, visit
<https://www.sae.org/standards/content/AS39029/29D/>

THIRD ANGLE PROJECTION



CUSTODIAN: AE-8C1

PROCUREMENT SPECIFICATION: AS39029



AEROSPACE STANDARD

CONTACTS, ELECTRICAL CONNECTOR, PIN,
CRIMP REMOVABLE (FOR AS50151 SERIES, AS345XX
AND MIL-DTL-83723 SERIES 2 CONNECTORS)

AS39029™/29
SHEET 1 OF 4

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Documents

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TABLE 1 - FIGURE 1 METRIC EQUIVALENTS

INCHES	MILLIMETERS	INCHES	MILLIMETERS	INCHES	MILLIMETERS	INCHES	MILLIMETERS
.005	0.13	.044	1.12	.050	1.27	.080	2.03
.006	0.15	.048	1.22	.060	1.52	.090	2.29

TABLE 2 - CONTACT DIMENSIONS

BIN CODE	A	B	D DIA	E DIA	F DIA	G DIA	K MIN	M (REF)	N DIA	S	T MAX	U DIA
212	.300 (7.62)	.079 (2.01)	.042 (1.07)	.068 (1.73) .066 (1.68)	.133 (3.38) .130 (3.30)	.103 (2.62) .101 (2.57)	.250 (6.35)	.923 (23.44)	N/A	.631 (16.03) .619 (15.72)	.015 (0.38)	.0635 (1.61) .0615 (1.56)
213	.290 (7.37)	.073 (1.85)	.036 (0.91)	.102 (2.59) .098 (2.49)	.189 (4.80) .186 (4.72)	.150 (3.81) .147 (3.73)		1.110 (28.19)	.160 (4.06) .155 (3.94)	.819 (20.80) .808 (20.52)		.095 (2.41) .093 (2.36)
214	.552 (14.02)	.094 (2.39)	.072 (1.83) .068 (1.73)	.183 (4.65) .179 (4.55)	.306 (7.77) .303 (7.70)	.265 (6.73) .262 (6.65)	.485 (12.32)	1.362 (34.59)	.277 (7.04) .272 (6.91)			.143 (3.63) .141 (3.58)
215	.542 (13.77)	.084 (2.13)		.283 (7.19) .279 (7.09)	.417 (10.59) .414 (10.52)	.376 (9.55) .373 (9.47)			.389 (9.88) .384 (9.75)			.226 (5.74) .224 (5.69)
216	.678 (17.22) .660 (16.76)	.124 (3.15) .084 (2.13)		.455 (11.56) .451 (11.46)	.615 (15.62) .611 (15.52)	.564 (14.33) .561 (14.25)	.580 (14.73)	1.486 (37.74)	N/A		.065 (1.65)	.358 (9.09) .356 (9.04)

TABLE 3 - MARKING AND DESIGN CHARACTERISTICS

BIN CODE	COLOR BANDS			MATING END SIZE	WIRE BARREL SIZE	TYPE	CLASS
	1ST	2ND	3RD				
212	RED	BROWN	RED	16	16	A	B
213	RED	BROWN	ORANGE	12	12	A	B
214	RED	BROWN	YELLOW	8	8	A	B
215	RED	BROWN	GREEN	4	4	A	B
216	RED	BROWN	BLUE	0	0	A	B

TABLE 4 - TOOL REQUIREMENTS

BIN CODE	BASIC CRIMPING TOOL	DIE SET	LOCATOR	POSITIONER	INSTALLING TOOL	REMOVAL TOOL (WIRED)	REMOVAL TOOL (UNWIRED)
212	M22520/1-01	N/A	N/A	M22520/1-02 BLUE	M81969/8-207 M81969/14-03	M81969/8-208 M81969/14-03	M8196/30-06
	M22520/7-01	N/A	N/A	M22520/7-03			
213	M22520/1-01	N/A	N/A	M22520/1-02 YELLOW	M81969/8-209 M81969/14-04	M81969/8-210 M81969/14-04	M81969/30-07
214	M22520/23-01	M22520/23-02	M22520/23-09	N/A	N/A	M81969/14-06 M81969/15-01	M81969/14-06* M81969/15-01*
215	M22520/23-01	M22520/23-04	M22520/23-11	N/A	N/A	M81969/14-07 M81969/15-02	M81969/14-07* M81969/15-02*
216	M22520/23-01	M22520/23-05	M22520/23-13	N/A	N/A	M81969/14-08 M81969/15-03	M81969/14-08* M81969/15-03*

* THE REMOVAL TOOL IS INSERTED FROM THE REAR OF THE CONNECTOR TO UNLOCK THE CONTACT AND THE UNWIRED CONTACT SHOULD BE PUSHED OUT FROM THE FRONT WITH AN OBJECT THAT WILL NOT SLIP OFF OR BEND THE CONTACT. CAUTION SHOULD BE USED WHEN PUSHING THE CONTACT OUT TO PREVENT DAMAGE TO THE CONTACTS OR THE CONNECTOR.