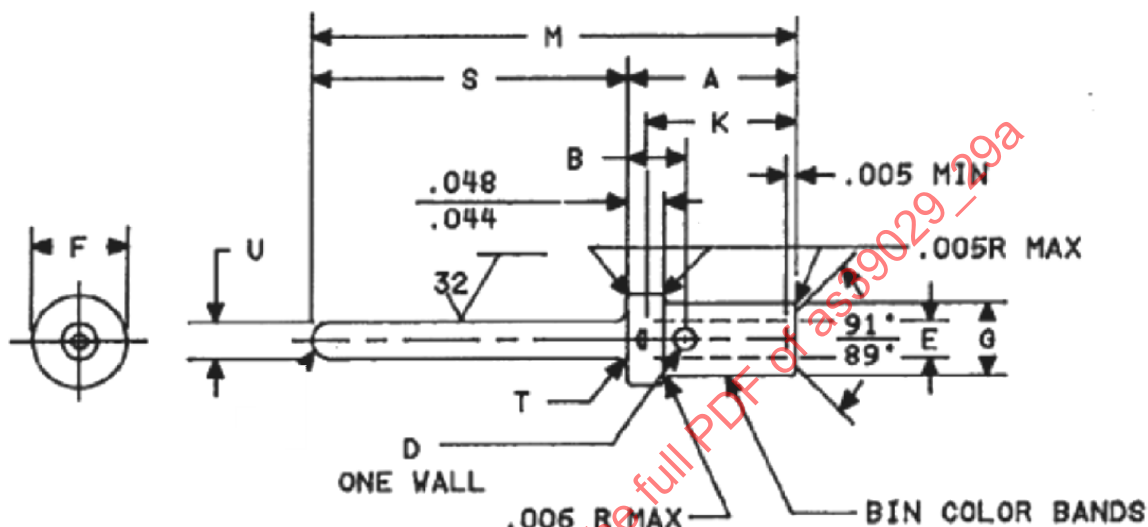


RATIONALE

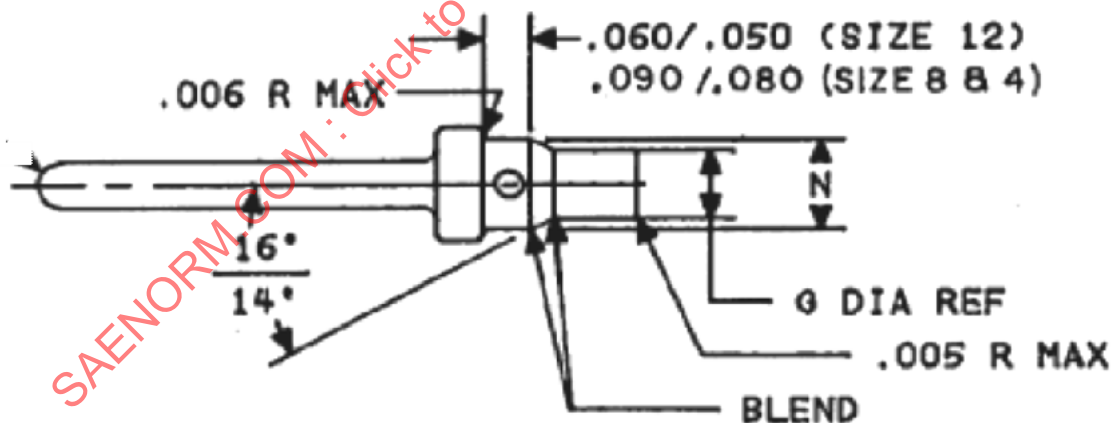
REVISE TO INCLUDE COMMENTS RECEIVED BY THE GOVERNMENT AND INDUSTRY SINCE 1988, INCORPORATES VARIOUS AMENDMENTS, REMOVE GOVERNMENT JARGON AS A RESULT OF THE WORD-FOR-WORD TRANSFERENCE OF AS39029 TO SAE, UPDATE SPECIFICATION REFERENCES, ALIGN SPECIFICATIONS WITH SAE GUIDELINES AS NEEDED, AND REVIEW SPECIFICATIONS FOR KNOWN TECHNICAL PROBLEMS.

NOTICE

THE REQUIREMENTS FOR PROCURING THE PRODUCT DESCRIBED HEREIN SHALL CONSIST OF THIS SPECIFICATION SHEET AND THE LATEST ISSUE OF: SAE AS39029.



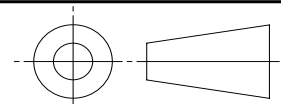
MATING PIN SIZES 16, 0 CONTACTS AND ALL WIRE BARREL SIZES



MATING PIN SIZES 12, 8, 4 CONTACTS

FIGURE 1 - AS39029/29 PIN CONTACT

THIRD ANGLE PROJECTION



CUSTODIAN: SAE AE-8/AE-8C1

PROCUREMENT SPECIFICATION: AS39029

SAE Aerospace
An SAE International Group

AEROSPACE STANDARD

(R) CONTACTS, ELECTRICAL CONNECTOR, PIN, CRIMP REMOVABLE (FOR AS50151 SERIES, AS34501 AND MIL-DTL-83723 SERIES 2 CONNECTORS)

AS39029/29
SHEET 1 OF 3

REV. A

TABLE 1 - 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	.079	.042	.068 (3.38) .066 (3.30)	.133 (3.38) .130 (3.30)	.103 (3.38) .101 (3.30)		.923 (23.44)		.631 (16.03) .619 (15.72)		.0635 (16.28) .0615 (15.62)
213	.290	.073	.036	.102 (4.80) .098 (4.72)	.189 (4.80) .186 (4.72)	.150 (4.80) .147 (4.72)	.250	1.110 (28.19)	.160 (4.06) .155 (3.96)		.015	.095 (2.41) .093 (2.37)
214	.552	.094		.183 (7.77) .179 (7.70)	.306 (7.77) .303 (7.70)	.265 (7.77) .262 (7.70)	.485	1.362 (34.59)	.272 (6.95) .277 (7.04)	.819 (20.80)		.143 (3.63) .141 (3.58)
215	.542	.084	.072	.283 (10.59) .279 (10.52)	.417 (10.59) .414 (10.52)	.376 (10.59) .373 (10.52)			.389 (9.88) .384 (9.78)	.808 (20.51)		.226 (5.74) .224 (5.69)
216	.678 (17.21) .660 (16.76)	.124 (3.15) .084 (2.13)		.455 (11.56) .451 (11.52)	.615 (15.62) .611 (15.52)	.564 (14.33) .561 (14.24)	.580	1.486 (37.74)			.065 (1.65) .065 (1.65)	.358 (9.10) .356 (9.05)

TABLE 2 - MARKING AND DESIGN CHARACTERISTICS

BIN CODES	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 3 - TOOL REQUIREMENTS

BIN CODE	BASIC CRIMPING TOOL	DIE SET	LOCATOR	POSITIONER	INSTALLING TOOL	REMOVAL TOOL
212	M22520/1-01	N/A	N/A	M22520/1-02 BLUE	M81969/14-03	M81969/14-03
	M22520/7-01	N/A	N/A	M22520/7-03		
213	M22750/1-01	N/A	N/A	M22520/1-02 YELLOW	M81969/14-04	M81969/14-04
214	M22520/23-01	M22520/23-02	M22520/23-09	N/A	N/A	M81969/29-02
215	M22520/23-01	M22520/23-04	M22520/23-11	N/A	N/A	M81969/29-03
216	M22520/23-01	M22520/23-05	M22520/23-13	N/A	N/A	M81969/29-04

TABLE 4 - PART NUMBERS

AS39029 PART NUMBER	BIN CODE	SUPERSEDES PART NUMBER(S)
M39029/29-212	212	M39029/29-16-16
M39029/29-213	213	M39029/29-12-12
M39029/29-214	214	M39029/29-8-8
M39029/29-215	215	M39029/29-4-4
M39029/29-216	216	M39029/29-0-0