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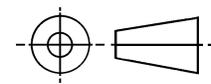
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THIRD ANGLE PROJECTION



ISSUED 2001-03

PREPARED BY SAE SUBCOMMITTEE AE-8C1

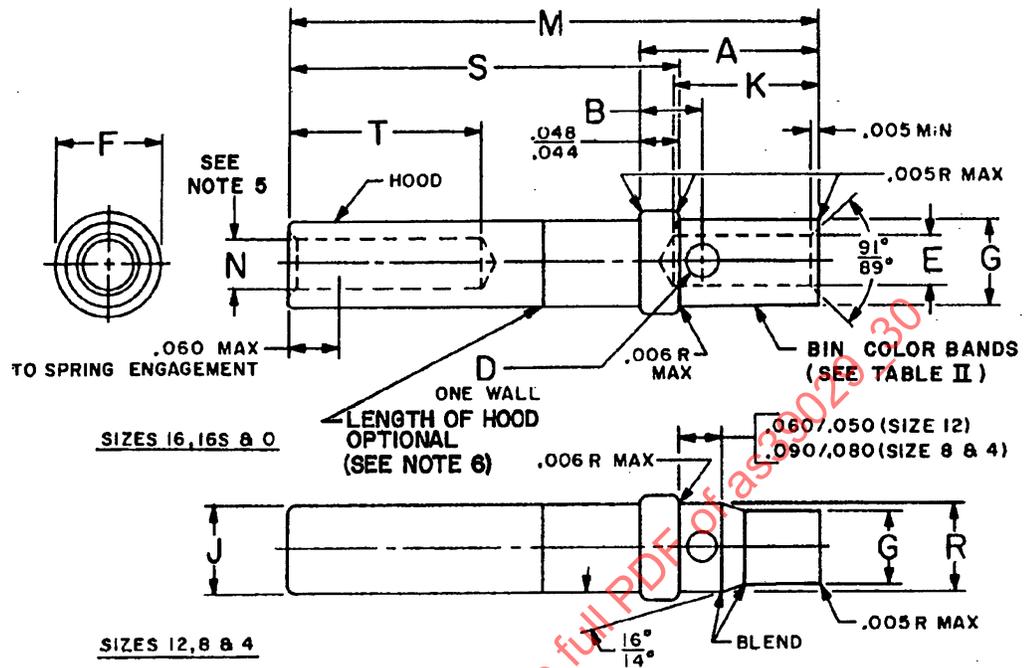


AEROSPACE STANDARD

CONTACTS, ELECTRICAL CONNECTOR, SOCKET, CRIMP REMOVABLE, (FOR MIL-C-5015 MS3450 SERIES AND MIL-C-83723 SERIES II CONNECTORS)

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SHEET 1 OF 5

THE COMPLETE REQUIREMENTS FOR PROCURING THE CONTACTS DESCRIBED HEREIN SHALL CONSIST OF THIS DOCUMENT AND THE LATEST ISSUE OF SPECIFICATION MIL-C-39029.



NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for general information only and are based upon 1.00 inch = 25.4 mm.
3. Metric equivalents are in parentheses for overall length and diameter only.
4. Dimensions shown apply after plating.
5. E and N diameter bores shall not break through.
6. Maximum gap of .010 inch between hood and body of the contact.

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TABLE I. DIMENSIONS.

BIN code	A	B	DIA	D	E	F	G	J	K	M	N	R	S	T
			DIA	DIA	DIA	DIA	DIA	MAX DIA	MIN	REF	DIA			MIN
217			.068		.133 (3.38)	.103 .113				.911 (23.14)			.666 .656	.399
218	.300 .290	.079 .073	.042 .036		.130 (3.30)	.101		.250		1.101 (27.97)	.064 1/		.856 .846	.430
219			.102		.189 (4.80)	.150 .161								
220	.552	.094			.179 (4.72)	.147		.485		1.342 (34.09)	.0955 1/	.160 .155	.849	.587
221	.542	.084	.072		.306 (7.77)	.265 .262		.257			.157	.277	.849	
222	.678	.124	.068		.417 (10.59)	.376 .336		.518			.240	.389	.833	
	.668	.084			.615 (15.62)	.564 .561		.580		1.466 (37.24)	.372 .360			

1/ MIN Diameter only.

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TABLE II. DESIGN CHARACTERISTICS.

BIN code	Color bands			Mating end size	Wire barrel size	Type	Class
	1st	2nd	3rd				
217	Red	Brown	Violet	16S	16	A	B
218	Red	Brown	Gray	16	16		
219	Red	Brown	White	12	12		
220 <u>1/</u>	Red	Red	Black	8	8		
221 <u>1/</u>	Red	Red	Brown	4	4		
222 <u>1/</u>	Red	Red	Red	0	0		

1/ Contacts M39029/30-220, -221, and -222 are not recommended for use with Navy shipboard cable.

TABLE III. TOOLS.

BIN code	Basic crimping	Positioner	Die set	Locator	Installing tool	Removal tool
217	M22520/1-01	M22520/1-02 Blue	---	---	M81969/14-03	M81969/14-03
218	M22520/1-01	M22520/1-02 Blue	---	---	M81969/14-03	M81969/14-03
219	M22520/1-01	M22520/1-02 Yellow	---	---	M81969/14-04	M81969/14-04
220	M22520/23-01	---	M22520/23-02	M22520/23-09	---	M81969/29-02
221	M22520/23-01	---	M22520/23-04	M22520/23-11	---	M81969/29-03
222	M22520/23-01	---	M22520/23-05	M22520/23-13	---	M81969/29-04

REQUIREMENTS:

Dimensions, design characteristics, and configuration: See figure and tables I and II.

Tools: See table III.

Vibration: Method 2005 of MIL-STD-1344, test condition VI, letter J, except the duration shall be 8 hours in the longitudinal direction and 8 hours in the perpendicular direction (16 hours total).

Shock (specified pulse): Method 2004 of MIL-STD-1344, test condition A.

Mating contact: MIL-C-39029/29.