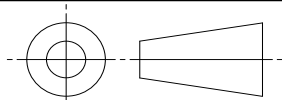


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 An SAE International Group	AEROSPACE STANDARD CONTACTS, ELECTRICAL CONNECTOR, SOCKET, CRIMP REMOVABLE, (FOR MIL-C-81659 SERIES 1 CONNECTORS)	SAE AS39029/3 SHEET 1 OF 5	REV. A

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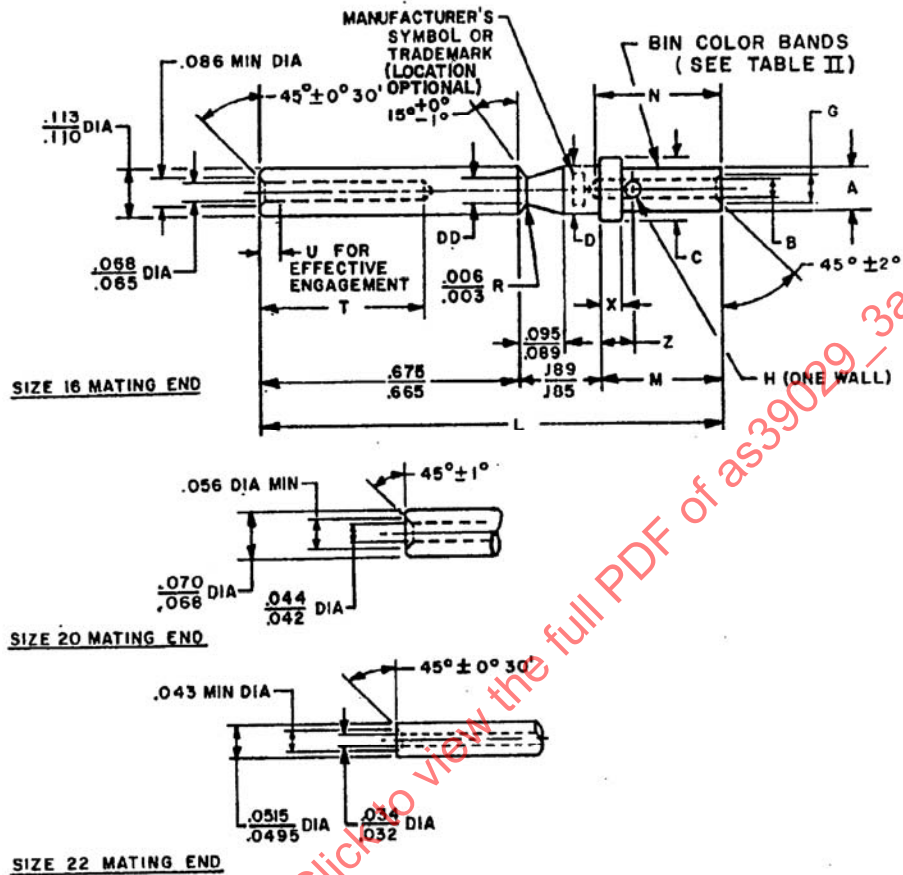
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	CONTACTS, ELECTRICAL CONNECTOR, SOCKET, CRIMP REMOVABLE, (FOR MIL-C-81659 SERIES 1 CONNECTORS)		

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 (to the nearest .01 mm) are given for general information only and are based upon 1 inch = 25.4 mm.
3. Metric equivalents are in parentheses for overall length and diameter only.
4. Dimensions shown apply after plating.

TABLE I. DIMENSIONS.

BIN code	A DIA	B DIA	C DIA	D DIA	G DIA	H DIA	L (REF)	M	N	T MIN	U MAX	X	Z	DD DIA
107	.051	.037	.081 (2.06)	.061	.047	.028	.917 (23.29)	.208	.191	.380	.041	.033	.059	.040
	.048	.035	.079 (2.01)	.059	.041	.026		.204	.160			.029	.053	.036
108	.078	.0500	.089 (2.26)	.070	.067	.032	1.063 (27.00)	.208	.191	.380	.041	.033	.063	.049
	.076	.0485	.087 (2.21)	.068	.061	.026		.204	.160			.029	.057	.045
109	.105	.068	.148 (3.76)	.113	.090	.042	1.153 (29.29)	.298	.281	.635	.060	.048	.079	.087
	.101	.066	.144 (3.66)	.110	.080	.036		.294	.250			.044	.073	.083

TABLE II. DESIGN CHARACTERISTICS.

BIN code	Color bands			Mating end size	Wire barrel size	Type	Class
	1st	2nd	3rd				
107	Brown	Black	Violet	22	22	A	A
108	Brown	Black	Gray	20	20		
109	Brown	Black	White	16	16		

TABLE III. TOOLS.

BIN code	Basic crimping tool	Positioner	Installing tool	Removal tool
107	M22520/2-01	M22520/2-11	---	---
108	M22520/2-01 or M22520/1-01	M22520/2-11 or M22520/1-02 Red	---	---
109	M22520/1-01	M22520/1-02 Blue	MS90455-1	MS90456-1

REQUIREMENTS:

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

Tools: See table III.

Mating contact: MIL-C-39029/2.

QPL evaluating activity: Naval Weapons Support Center, Code 3074, Crane, Indiana 47522.

International interest: NEPR 57.