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AS39029/2

FEDERAL SUPPLY CLASS
5935

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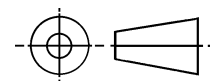
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THIRD ANGLE PROJECTION



ISSUED 2001-03

PREPARED BY SAE SUBCOMMITTEE AE-8C1

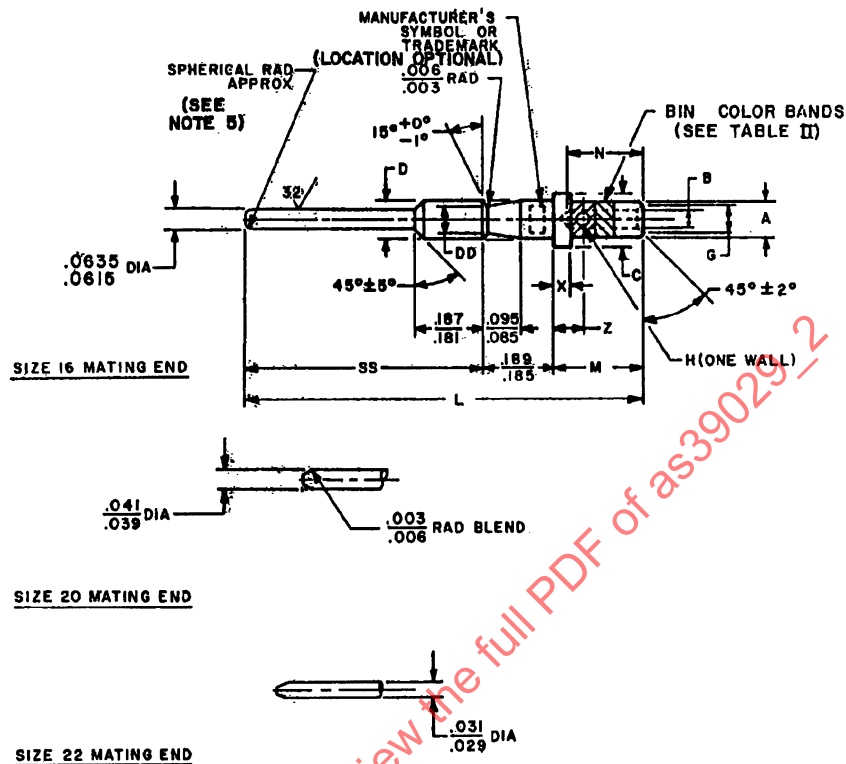
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AEROSPACE STANDARD

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

AS39029/2
SHEET 1 OF 4

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.
5. Spherical end dimensions shall conform to MIL-C-39029A.

TABLE I. DIMENSIONS.

BIN code	A DIA	B DIA	C DIA	D DIA	G DIA	H DIA	L (REF)	M	N	X	Z	DD DIA	SS
104	.051	.037	.081 (2.06)	.061	.047	.028	1.023 (25.98)	.208	.191	.033	.059	.040	.635
	.048	.035	.079 (2.01)	.059	.041	.026		.204	.160	.029	.053	.036	.625
105	.078	.0500	.089 (2.26)	.070	.067	.032	.890 (22.61)	.208	.208	.033	.059	.049	.502
	.076	.0485	.087 (2.21)	.068	.061	.026		.204	.160	.029	.053	.045	.492
106	.105	.068	.148 (3.76)	.113	.090	.042	1.158 (29.41)	.298	.281	.048	.079	.087	.680
	.101	.066	.144 (3.66)	.110	.080	.036		.294	.250	.044	.073	.083	.670

TABLE II. DESIGN CHARACTERISTICS.

BIN code	Color bands			Mating end size	Wire barrel size	Type	Class
	1st	2nd	3rd				
104	Brown	Black	Yellow	22	22	A	A
105	Brown	Black	Green	20	20		
106	Brown	Black	Blue	16	16		

TABLE III. TOOLS.

BIN code	Basic crimping tool	Positioner	Installing tool	Removal tool
104	M22520/2-01	M22520/2-11	---	---
105	M22520/2-01 or M22520/1-01	M22520/2-11 or M22520/1-02 Red	---	---
106	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-39029/3.

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

International interest: NEPR 57.