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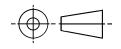
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AEROSPACE STANDARD

CONTACTS, ELECTRICAL CONNECTOR, PIN, CRIMP REMOVABLE, THERMOCOUPLE, (FOR MIL-C-26482 SERIES 2, MIL-C-81703 SERIES 3, MIL-C-83723 SERIES 3, AND MIL-C-83733 CONNECTORS)

AS39029/9 SHEET 1 OF 5

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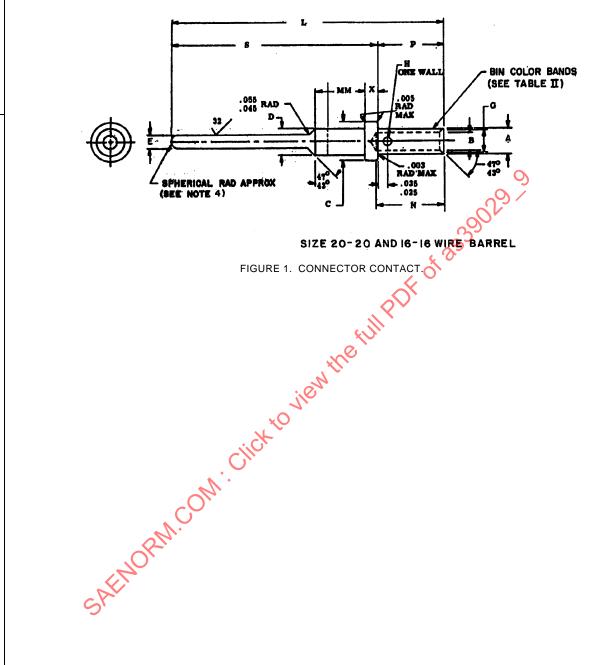
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THE COMPLETE REQUIREMENTS FOR ACQUIRING THE CONTACTS DESCRIBED HEREIN SHALL CONSIST OF THIS SPECIFICATION AND THE LATEST ISSUE OF MIL-C-39029.



SIZE 20-20 AND 16-16 WIRE BARREL

The Engineering Society
For Advancing Mobility
Land Sea Air and Space
INTERNATIONAL

AEROSPACE STANDARD

INCHES	MM	INCHES	MM	INCHES	MM
					MM
.003	.08	.0615	1.56	.186	4.72
.005	.13	.062	1.57	.246	6.25
.025	.64	.0635	1.61	.250	6.35
.026	.66	.066	1.68	.257	6.53
.029	•74	.068	1.73	.284	7.21
.032	.81	.076	1.93	•543	13.79
.033	.84	.078	1.98	•549	13.94
.035	.89	.083	2.11	.558	14.17
.039	.99	.100	2.54	•564	14.33
.041	1.04	.101	2.57	.720	18.29
.042	1.07	.103	2.62	.821	20.85
.044	1.12	.125	3.18		
.045	1.14	.130	3.30		
.048	1.22	.133	3.38		
.050	1.27	.157	3.99		
.055	1.40	.160	4.06		
		.171	4.34		

TABLE I. Dimensions.

BIN code	A DIA	B	C DIA	DIA	E DIA	G DIA	H DIA	L Max (ref.)	Q.	·P	S	X	ММ
132 through 136	.078 .076	.050 .048	.103 .100	.078 .076	.041	.066 .062	.032	.720	.186 .157	.171	.549 .543	.033	.130 .125
514 through 518	.103 .101	.068 .066	.133	.103 .101	.0635 .0615	.089	.042 .036	.821	.284 .250	.257 .246	.564 .558	.048 .044	.130 .125

NOTES:

- 1. Dimensions are in inches.
- Metric equivaletns (to the nearest .01 mm) are given for general information only and are based upon 1 inch = 25.4 mm.
- Dimensions shown apply after plating.
 Spherical end dimension shall conform to MIL-C-39029.

FIGURE 1. CONNECTOR CONTACT - CONTINUED.



TABLE II. DESIGN CHARACTERISTICS.

BIN code	Color bands			Mating end	Wire barrel	Type	Class
	i Ist.	2nd.	3rd.	size	l size	1	
132	Brown	Orange	Red	 	·	 	†
133	Brown	Orange	Orange	1	ļ ! 20	C see table IV	i B
134	Brown	Orange	Yellow	-l 20			
135	Brown	Orange	Green	l	j ,		ļ
136	Brown	Orange	Blue		<u> </u>	<u> </u>	<u> </u>
514	Green	Brown	Yellow	1		Į.	!
515	Green	Brown	Green	16	16	į C	ļ
516	Green	Brown	Blue			see table IV	I. B
517	Green	Brown	Violet	1	ļ	ļ .	ļ
518	Green	Brown	Gray		1	1	1

TABLE III. TOOLS.

T BIN	Basic crimping	Positioner	Installing	l Remova	1 too1
l code	tool		tool	Wired Contact	Unwired contact
132 133 134 135 136	M22520/2-01 or M22520/1-01	 M22520/2-02 Red or M22520/1-02	M81969/14-02 Red	M <mark>81</mark> 969/14-02 White	 M81969/30-05 Red
514 515 516 517 518	M22520/1-01 or M22520/7-01	 M22520/1-02 Blue or M22520/7-03	M81969/14-03	 M81969/14-03 White 	 M81969/30-06 Blue
	TARLE IV M	MATERIAL S PLATI	NG. AND TENSILE ST	RENGTH	
	TABLE IV. I	WATERIALS, FLATI	NG, AND TENSILE ST	INCINGTII.	
BIN	Materials	Plating	T	ensile streng	th

BIN	Materials	Plating		Tensile st	rength	
code .	c)	C T	Wire size	Axial load	Wire size	Axial load
1 132 1 133 1 134 1 135 1 136	Copper Constantan Alumet Chromel	Gold Flash None None None Cadmium Plate	24	6 1bs.	20	12 1bs.
514 515 516 517 518	Copper Constantan Alumel Chromel	Gold Flash None None None Cadmium Plate	20	14 lbs.	16	45 lbs.

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