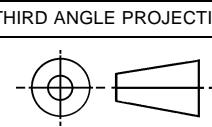
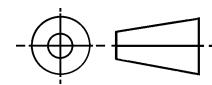


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AEROSPACE STANDARD

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(FOR MIL-C-26482 SERIES 2, MIL-C-81703 SERIES 3, MIL-C-83723
SERIES I AND III, AND MIL-C-83733 CONNECTORS AND
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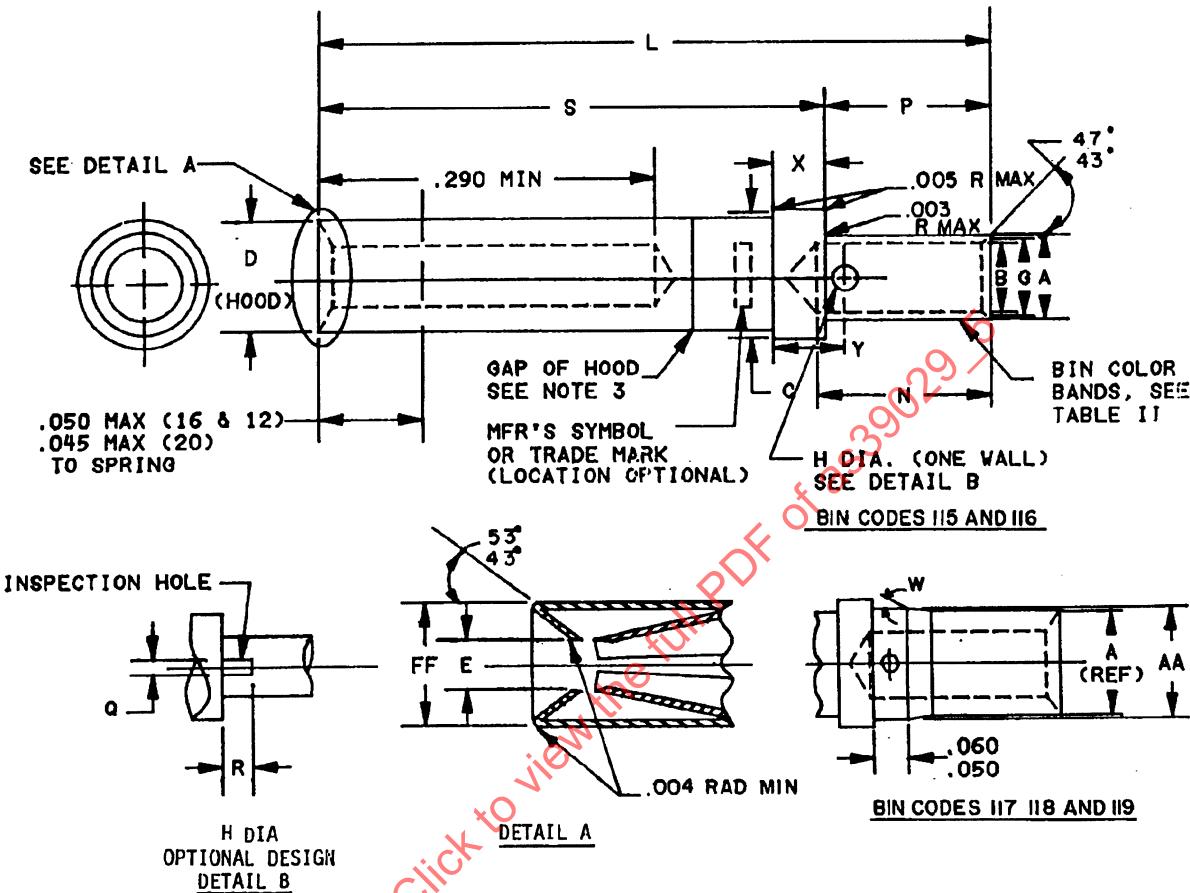


FIGURE 1. SOCKET CONTACT.

TABLE I. Dimensions.

BIN code	A Dia	B Dia	C Dia	D Dia	E Min Dia	G Dia	H Max Dia	L Dia (Ref)	N	P	S	W ^o	X	Y	AA	FF Min Dia	Weight (Lbs) Min	Q	R
115	.078 .050	.103 .100	.078 .076	.0415	.066 .056	.032 .026	.675 .155	.187 .160	.171 .479				.033 .029	.068 .053		.060 .044	.0007 .068	.032 .026	.051 .026
116	.103 .101	.068 .066	.133 .130	.064 .110	.092 .078	.042 .036	.759 .250	.284 .494	.257 .246	.500 .494			.048 .044	.085 .068		.087 .101	.0014 .085	---	---
117	.078 .076	.050 .048	.133 .130	.064 .110	.066 .056	.042 .036	.759 .250	.284 .250	.257 .246	.500 .494	.46 .44		.048 .044	.085 .068	.103 .101	.087 .068	---	---	---
118	.151 .148	.102 .098	.190 .187	.161 .158	.0955 .116	.136 .036	.759 .250	.284 .246	.257 .246	.500 .494	.16 .14		.048 .044	.085 .068	.158 .155	.125 .101	.0028 .068	---	---
119	.103 .101	.068 .066	.190 .187	.161 .158	.0955 .078	.092 .036	.759 .250	.284 .246	.257 .246	.500 .494	.46 .44		.048 .044	.085 .068	.158 .155	.125 .101	---	---	---

Inches	mm	Inches		mm	Inches		mm	Inches		mm	Inches		mm	Inches		mm
		SAE NOMINAL DIM. C	SAE C TOLERANCE C		SAE NOMINAL DIM. C	SAE C TOLERANCE C		SAE NOMINAL DIM. C	SAE C TOLERANCE C		SAE NOMINAL DIM. C	SAE C TOLERANCE C		SAE NOMINAL DIM. C	SAE C TOLERANCE C	
.003 .004 .005 .026 .029 .032 .033 .036 .0415 .042 .044 .048 .050 .051 .053	0.08 0.10 0.13 0.66 0.74 0.81 0.84 0.91 1.054 1.07 1.12 1.22 1.27 1.29 1.35	.056 .060 .064 .066 .068 .076 .078 .085 .087 .092 .0955 .098 .100 .101 .101	.142 .152 .162 .168 .173 .183 .198 .216 .221 .234 .246 .249 .254 .256 .256	1.42 1.52 1.62 1.68 1.73 1.83 1.98 2.16 2.21 2.34 2.46 2.49 2.54 2.56 2.56	.102 .103 .110 .113 .116 .125 .130 .133 .136 .148 .151 .155 .158 .160	.102 .103 .110 .113 .116 .125 .130 .133 .136 .148 .151 .155 .158 .160	.259 .262 .279 .287 .294 .318 .330 .338 .345 .376 .383 .394 .401 .406	.161 .171 .187 .190 .246 .250 .257 .284 .290 .485 .494 .500 .656 .759	4.09 4.34 4.75 4.83 6.25 6.35 6.53 7.21 7.34 12.32 12.55 12.70 16.66 19.28							

FIGURE 1. SOCKET CONTACT (CONTINUED).

NOTES:

1. Dimensions are in inches.
 2. Metric equivalents are given for general information only.
 3. Maximum gap of .010 (2.56 mm) inch between hood and body of the contact.

TABLE II. DESIGN CHARACTERISTICS.

Bin code	Color bands			Mating end size	Wire barrel size	Type	Class
	1st	2nd	3rd				
115	Brown	Brown	Green	20	20	A	B
116	Brown	Brown	Blue	16	16		
117	Brown	Brown	Violet	16	20		
118	Brown	Brown	Gray	12	12		
119	Brown	Brown	White	12	16		

TABLE III. TOOLS.

BIN code	Basic crimping tool	Positioner	Installing tool	Removal tool	
				Wired contact	Unwired contact
115	M22520/2-01, M22520/1-01 or M22520/7-01	M22520/2-02, M22520/1-02 Red or M22520/7-02	M81969/8-05 M81969/14-02	M89169/8-06 M81969/14-02	M81969/30-05
116	M22520/1-01 or M22520/7-01	M22520/1-02 Blue or M22520/7-03	M81969/8-07 M81969/14-03	M89169/8-08 M81969/14-03	M81969/30-06
117	M22520/7-01 or M22520/1-01	M22520/1-02 Blue or M22520/7-03	M81969/8-05 M81969/14-02	M89169/8-06 M81969/14-02	M81969/30-05
118	M22520/1-01	M22520/1-02 Yellow	M81969/8-09 M81969/14-04	M89169/8-10 M81969/14-04	M81969/30-07
119	M22520/1-01	M22520/1-02 Yellow	M81969/8-07 M81969/14-03	M89169/8-08 M81969/14-03	M81969/30-06

REQUIREMENTS:

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

Tools: See table III.

Mating contact: MIL-C-39029/4.

Shock (specified pulse): Method 2004 of MIL-STD-1344, test condition D, except the pulse shall be an approximate half-sine wave of 300 G ± 15 percent magnitude with a duration of 3 milliseconds ± 1 . One shock shall be exerted in each of three mutually perpendicular directions.

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