

RATIONALE

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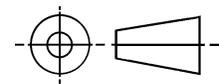
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THIRD ANGLE PROJECTION



REAFFIRMED 2006-08

ISSUED 2000-07

PREPARED BY SAE SUBCOMMITTEE AE-8C1



**AEROSPACE STANDARD**

CONTACTS, ELECTRICAL CONNECTOR,  
PIN, CRIMP REMOVABLE,  
(FOR DOD-C-83527, CONNECTOR)

**AS39029/93**  
SHEET 1 OF 5

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**AS39029/93**

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

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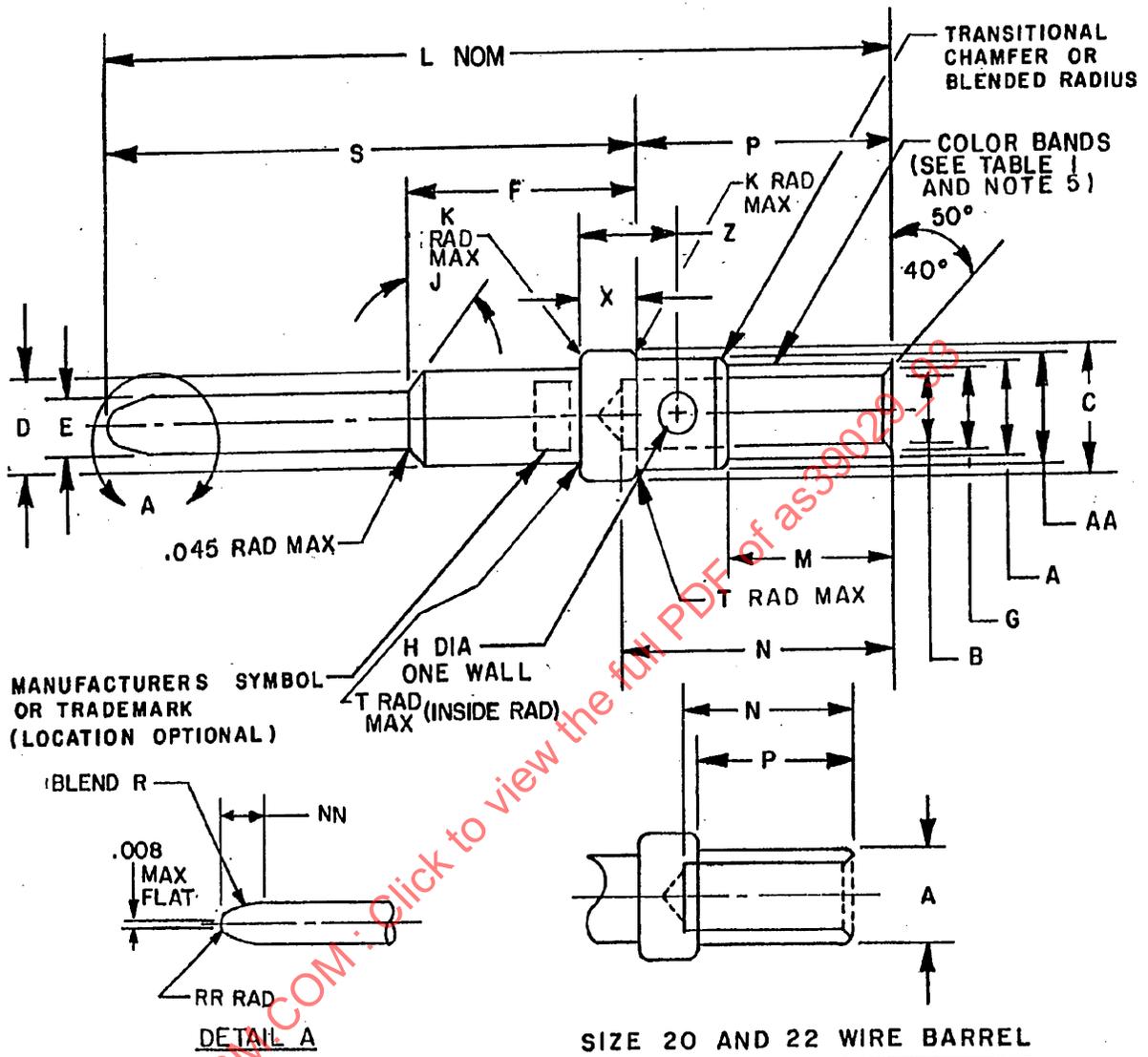


FIGURE 1. PIN CONTACT.

Inches	mm	Inches	mm	Inches	mm
.002	0.05	.068	1.73	.158	4.01
.003	0.07	.069	1.75	.161	4.09
.004	0.10	.070	1.78	.165	4.19
.005	0.12	.072	1.83	.171	4.34
.010	0.25	.082	2.08	.177	4.50
.018	0.46	.083	2.11	.186	4.72
.020	0.51	.084	2.13	.190	4.83
.022	0.56	.090	2.29	.226	5.74
.025	0.64	.093	2.36	.231	5.87
.209	0.74	.095	2.41	.237	6.02
.031	0.79	.098	2.49	.241	6.12
.033	0.84	.100	2.54	.245	6.22
.034	0.86	.101	2.57	.250	6.35
.0340	0.864	.103	2.62	.251	6.38
.036	0.914	.107	2.72	.257	6.53
.0375	0.953	.110	2.79	.290	7.37
.039	0.99	.111	2.82	.446	11.33
.041	1.04	.113	2.87	.455	11.56
.042	1.07	.127	3.23	.617	15.67
.0430	1.09	.130	3.30	.622	15.80
.044	1.12	.131	3.33	.645	16.38
.0460	1.17	.132	3.35	.665	16.89
.047	1.19	.134	3.40	.681	17.29
.048	1.22	.135	3.43	.691	17.55
.050	1.27	.137	3.48	.751	19.08
.052	1.32	.140	3.56	.761	19.33
.054	1.37	.148	3.76	.770	19.56
.058	1.47	.150	3.81	.790	20.07
.0615	1.562	.151	3.84	.937	23.80
.0635	1.613				
.065	1.65				
.066	1.68				

## NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for general information only.
3. Dimensions shown apply after plating.
4. Spherical end dimensions shall conform to MIL-C-39029.
5. See MIL-C-39029 for options.

FIGURE 1. PIN CONTACT - CONTINUED.

TABLE I. DIMENSIONS.

BIN code	A Dia	B Dia	C Dia	D Dia	E Dia	F	G Dia	H Dia	J (Deg)	K Rad	L (Nom)
597	.052	.0375	.070 (1.78)	.050	.031	.137	.047	.022	---	.003	.665 (16.89)
(22-22)	.050	.0340	.068 (1.73)	.047	.029	.127	.041	.018			.645 (16.38)
598	.068	.0460	.084 (2.13)	.072	.041	.177	.058	.033	50	.003	.790 (20.07)
(20-20)	.065	.0430	.082 (2.08)	.069	.039	.171	.052	.025	40		.770 (19.56)
539	.103	.068	.134 (3.40)	.113	.0635	.241	.090	.042	35	.005	.937 (23.80)
(16-16)	.101	.066	.130 (3.30)	.110	.0615	.226	.080	.036	25		
540	.151	.102	.190 (4.83)	.151	.095	.241	.140	.042	35	.005	.937 (23.80)
(12-12)	.148	.098	.186 (4.72)	.148	.093	.226	.130	.036	25		

BIN code	M Min	N	P (Ref)	S	T Rad	X	Z	AA Dia	NN	RR
597	N/A	.165	.237	.455	.002	.034	.161	N/A	.060	.010
(22-22)		.135	.231	.446		.029	.132		.050	.004
598	N/A	.190	.165	.622	.002	.034	.069	N/A	.070	.010
(20-20)		.150	.155	.617		.029	.054		.050	.004
539	.150	.290	.257	.691	.003	.048	.083	.111	.100	.020
(16-16)		.250	.245	.681		.044	.069	.107	.060	.010
540	.150	.290	.257	.691	.003	.048	.083	.158	---	---
(12-12)		.250	.245	.681		.044	.069	.155		

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