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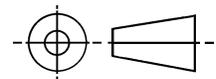
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THIRD ANGLE PROJECTION



ISSUED 2001-03

PREPARED BY SAE SUBCOMMITTEE AE-8C1

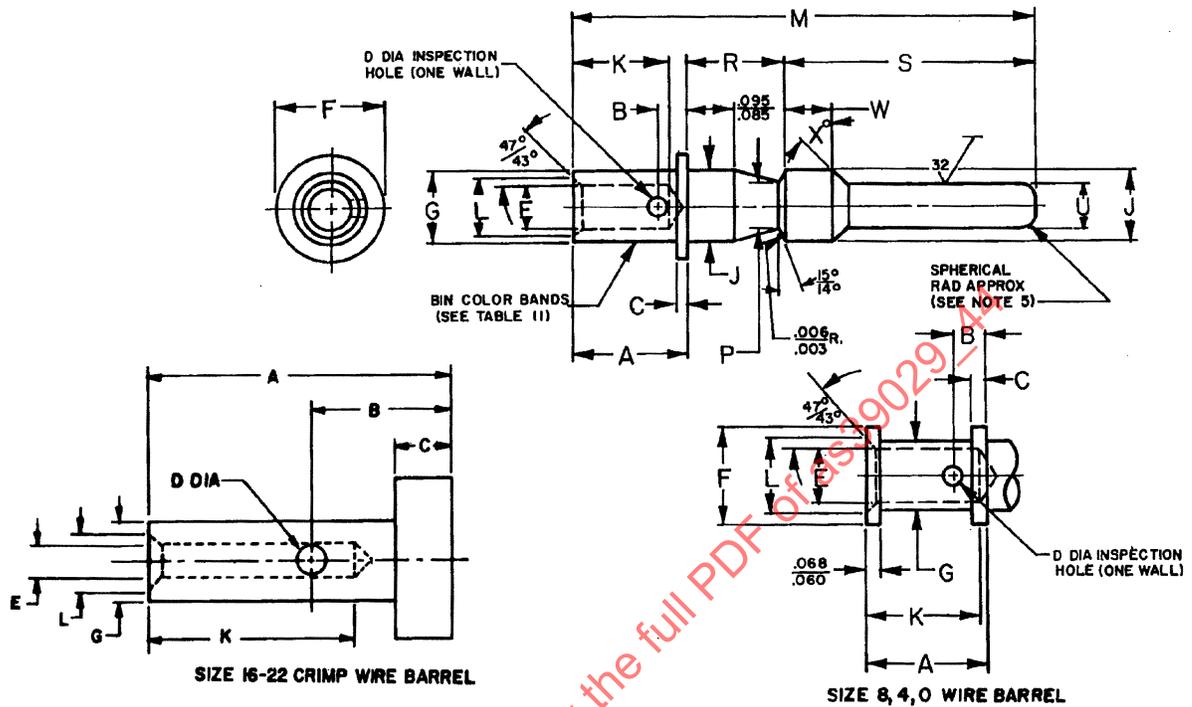


AEROSPACE STANDARD

CONTACTS, ELECTRICAL CONNECTOR,
PIN, CRIMP REMOVABLE (FOR MIL-C-5015
SERIES MS3400 CONNECTORS)

AS39029/44
SHEET 1 OF 6

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 are given for general information only and are based upon 1.00 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-39029.
6. Manufacturers are permitted to supply MIL-C-39029/44A size 16-22 contacts until 19 June 1994 or deplete their inventory, whichever comes first. Size 16-22 contacts manufactured after 15 November 1988 shall be in accordance with MIL-C-39029/44D.

TABLE I. DIMENSIONS.

BIN Code	E Dia	F Dia	J Dia	M Ref	P Dia	R	S	U Dia	W	X°	A	B	C	D Dia	G Dia	K	L
287	.0355	.148 (3.76)	.113	1.159	.087		.694	.0635			.285	.106	.042	.032	.078	.216	.067
	.0335																
288	.063	.133 (3.38)	.110	1.172 (29.77)	.083		.684	.0615			.280	.100	.036	.026	.076	.206	.061
289	.066	.202 (5.13)	.161	1.360 (34.54)	.225		.632	.093			.298	.079	.048	.042	.153		.090
290	.102	.189 (4.80)	.158	1.579 (40.11)	.221		.672	.143			.520	.094	.044	.066	.269		.230
291	.184	.313 (7.95)	.252	1.579 (40.11)	.221		.672	.143			.520	.094	.044	.066	.269		.230
292	.286	.419 (10.64)	.336	1.733 (44.02)	.310		.817	.226	.118	32	.510	.084	.044	.066	.370		.354
293	.458	.611 (15.52)	.518	1.733 (44.02)	.492		.807	.356	.108	28	.675	.665	.044	.066	.568		.542

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INCH	mm	INCH	mm	INCH	mm	INCH	mm
.026	.66	.101	2.57	.225	5.72	.480	12.19
.029	.74	.102	2.59	.226	5.74	.489	12.42
.032	.81	.105	2.67	.230	5.84	.492	12.50
.033	.84	.108	2.74	.249	6.33	.510	12.95
.036	.91	.110	2.79	.250	6.35	.515	13.08
.042	.61	.113	2.87	.252	6.40	.518	13.16
.048	1.22	.115	2.92	.253	6.43	.520	13.21
.050	1.27	.118	3.0	.263	6.68	.524	13.31
.057	1.45	.125	3.18	.279	7.09	.532	13.51
.060	1.52	.131	3.33	.281	7.14	.542	13.77
.0615	1.56	.133	3.38	.286	7.26	.557	14.15
.063	1.6	.135	3.43	.294	7.47	.567	14.40
.0635	1.61	.141	3.58	.296	7.52	.601	15.27
.0640	1.63	.143	3.63	.298	7.57	.611	15.52
.066	1.68	.147	3.73	.307	7.80	.636	16.15
.068	1.73	.148	3.76	.309	7.85	.665	16.89
.073	1.85	.153	3.89	.310	7.87	.675	17.15
.076	1.93	.158	4.01	.313	7.95	.684	17.37
.078	1.98	.161	4.09	.333	8.46	.690	17.53
.079	2.01	.173	4.39	.336	8.53	.694	17.63
.080	2.03	.179	4.55	.354	8.99	.807	20.50
.083	2.11	.183	4.65	.356	9.04	.817	20.75
.084	2.13	.184	4.67	.358	9.09	.872	22.15
.087	2.21	.185	4.70	.364	9.25	.882	22.40
.090	2.29	.189	4.80	.380	9.65	1.172	29.77
.093	2.36	.202	5.13	.409	10.39	1.360	34.54
.094	2.39	.220	5.59	.419	10.64	1.579	40.11
.095	2.41	.221	5.61	.458	11.63	1.733	44.02
.098	2.49	.224	5.69				

TABLE II. DESIGN CHARACTERISTICS.

BIN Code	Color Bands			Mating End Size	Wire Barrel Size	Type Size	Class
	1st	2nd	3rd				
287	Red	Gray	Violet	16	22		
288	Red	Gray	Gray	16	16		
289 <u>1/</u>	Red	Gray	White	12	16		
290	Red	White	Black	12	12	A	B
291	Red	White	Brown	8	8		
292	Red	White	Red	4	4		
293	Red	White	Orange	0	0		

1/ 289 shall meet all applicable test requirements for size 12-14 in MIL-C-39029.