

AS29600/20

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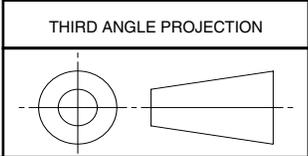
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CUSTODIAN: AE-8/AE-8C1



AEROSPACE STANDARD

CONNECTORS, ELECTRICAL, CIRCULAR, MINIATURE, COMPOSITE, HIGH DENSITY, QUICK COUPLING, ENVIRONMENT RESISTANT, REMOVABLE CRIMP CONTACTS, RECEPTACLE, FLANGED (SERIES B)

AS29600/20
SHEET 1 OF 4

ISSUED 2004-04 REAFFIRMED 2009-08

THIS SPECIFICATION IS APPROVED FOR USE BY ALL DEPARTMENTS AND AGENCIES OF THE DEPARTMENT OF DEFENSE.

THE COMPLETE REQUIREMENTS FOR ACQUIRING THE CONNECTORS DESCRIBED HEREIN SHALL CONSIST OF THIS SPECIFICATION AND THE LATEST REVISION OF MIL-C-29600.

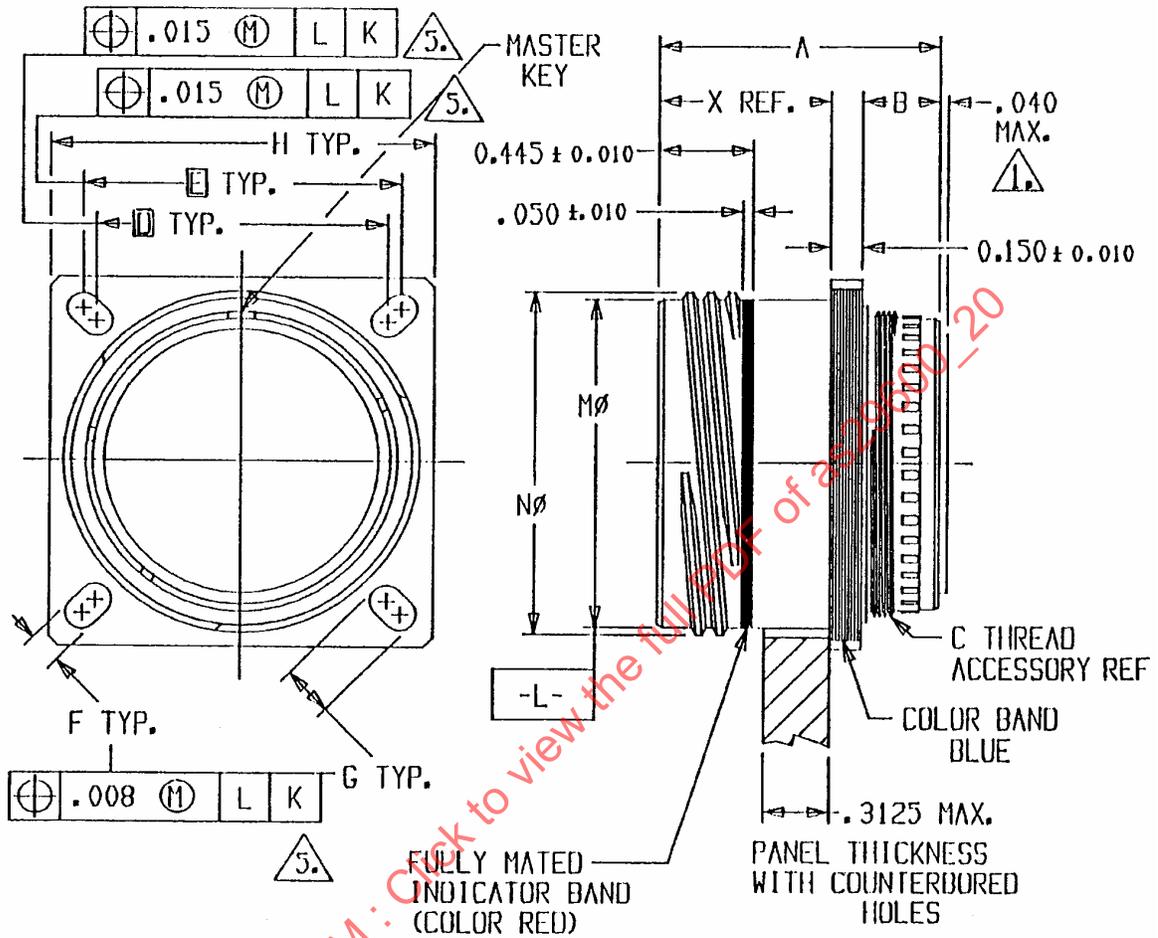


FIGURE 1. M29600/20 COMPOSITE CONNECTOR CONFIGURATION.

NOTES:

- 1 Arrangements containing size 12 contacts, the insert protrusion is .080 max.
2. Dimensions are in inches unless otherwise specified.
3. Metric equivalents are based upon 1 inch = 25.4 mm.
4. Dimensions apply after plating.
5.  K datum is identified on Figure 8 MIL-C-29600.

TABLE I. M29600/20 DIMENSIONS.

SHELL SIZE	A ±.010	B ±0.010	C THREAD REF	D BSC	E BSC	F +.004 -.002 TYP	G +.004 -.002 TYP
8	1.307	.329	.500-28	.594	.719	.128	.216
10	1.307	.329	.625-28	.719	.812	.128	.194
14	1.307	.329	.875-28	.906	.969	.128	.173
16	1.307	.329	1.000-28	.969	1.062	.128	.194
18	1.307	.329	1.125-28	1.156	1.250	.128	.194
20	1.336	.367	1.250-28	1.250	1.375	.154	.242
22	1.336	.367	1.375-28	1.375	1.500	.154	.242
24	1.336	.367	1.500-28	1.375	1.500	.154	.242

SHELL SIZE	H TYP ±0.015	Mø REF	Nø MAX	X REF
8	.939	.565	.628	.828
10	1.034	.688	.753	.828
14	1.225	.938	1.003	.828
16	1.318	1.109	1.190	.828
18	1.568	1.297	1.378	.828
20	1.694	1.422	1.503	.819
22	1.814	1.547	1.628	.819
24	1.814	1.609	1.690	.819

Inches	mm	Inches	mm	Inches	mm
.128	3.251	.828	21.031	1.336	33.934
.154	3.912	.906	23.013	1.375	34.925
.173	4.394	.938	23.825	1.378	35.001
.194	4.928	.939	23.851	1.422	36.119
.216	5.486	.969	24.613	1.500	38.100
.242	6.147	1.003	25.476	1.503	38.176
.329	8.357	1.034	26.264	1.547	39.294
.367	9.322	1.062	26.975	1.568	39.827
.565	14.351	1.109	28.169	1.609	40.869
.594	15.088	1.156	29.362	1.628	41.351
.628	15.951	1.190	30.226	1.690	42.926
.688	17.475	1.225	31.115	1.694	43.028
.719	18.263	1.250	31.750	1.814	46.076
.753	19.126	1.297	32.944		
.812	20.625	1.307	33.198		
.819	20.803	1.318	33.477		