

AS29600/21

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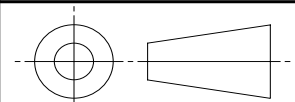
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THIRD ANGLE PROJECTION



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AEROSPACE STANDARD

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

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SHEET 1 OF 4

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

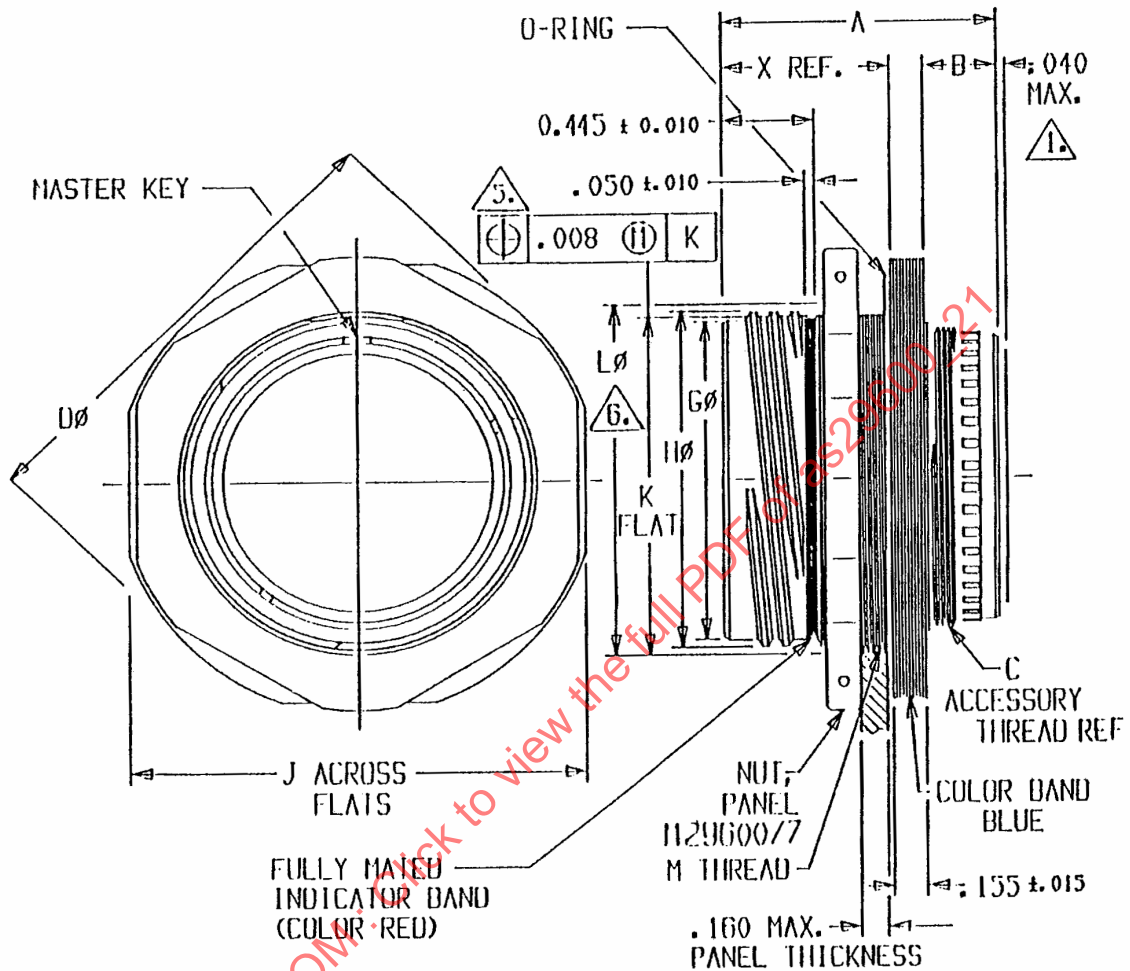


FIGURE 1. M29600/21 COMPOSITE CONNECTOR CONFIGURATION.

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 of MIL-C-29600.
6. $L\emptyset$ is the maximum jam nut thread diameter.

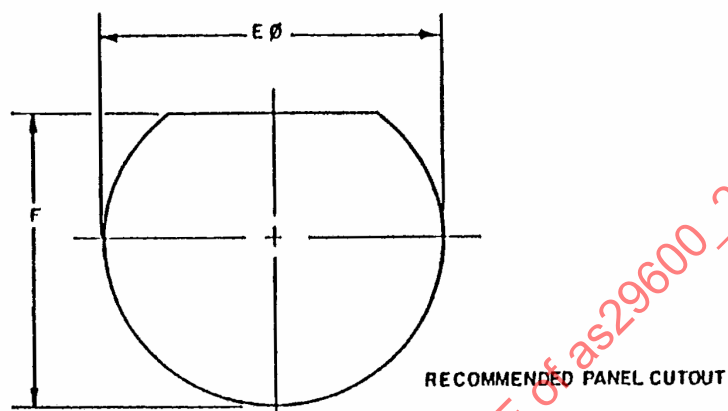


TABLE I. M29600/21 DIMENSIONS.

SHELL SIZE	A ±.010	B ±0.010	C THREAD REF	D ±.011	E +.010 -.000	F +.000 -.010	G REF	X REF	H MAX
8	1.307	.329	.500-28	1.189	.697	.669	.565	.828	.628
10	1.307	.329	.625-28	1.374	.822	.769	.688	.828	.753
14	1.307	.329	.875-28	1.626	1.134	1.084	.938	.828	1.003
16	1.307	.329	1.000-28	1.752	1.269	1.208	1.109	.828	1.190
18	1.307	.320	1.125-28	2.063	1.507	1.459	1.297	.828	1.378
20	1.336	.358	1.250-28	2.189	1.634	1.584	1.422	.819	1.503
22	1.336	.358	1.375-28	2.311	1.759	1.709	1.547	.819	1.628
24	1.336	.358	1.500-28	2.311	1.759	1.709	1.609	.819	1.690

SHELL SIZE	J ±0.010	K MAX	L MAX	M THREAD	MS 90968 DASH NO.	TORQUE VALUES (IN/LB)
8	1.063	.655	.691	M17X1.0-0.100R	-019	60
10	1.252	.755	.817	M20 X1.0-0.100R	-022	73
14	1.500	1.066	1.128	M28 X1.0-0.100R	-026	113
16	1.626	1.192	1.263	M32 X1.0-0.100R	-028	153
18	1.937	1.442	1.499	M38 X1.0-0.100R	-130	187
20	2.063	1.566	1.628	M41 X1.0-0.100R	-132	213
22	2.189	1.692	1.754	M44 X1.0-0.100R	-134	233
24	2.189	1.692	1.754	M44 X1.0-0.100R	-134	250