

AS29600/21

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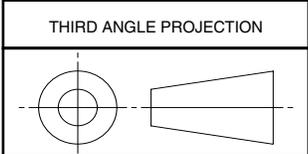
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CUSTODIAN: AE-8/AE-8C1

ISSUED 2004-04 REAFFIRMED 2009-08



AEROSPACE STANDARD

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

AS29600/21
SHEET 1 OF 4

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.

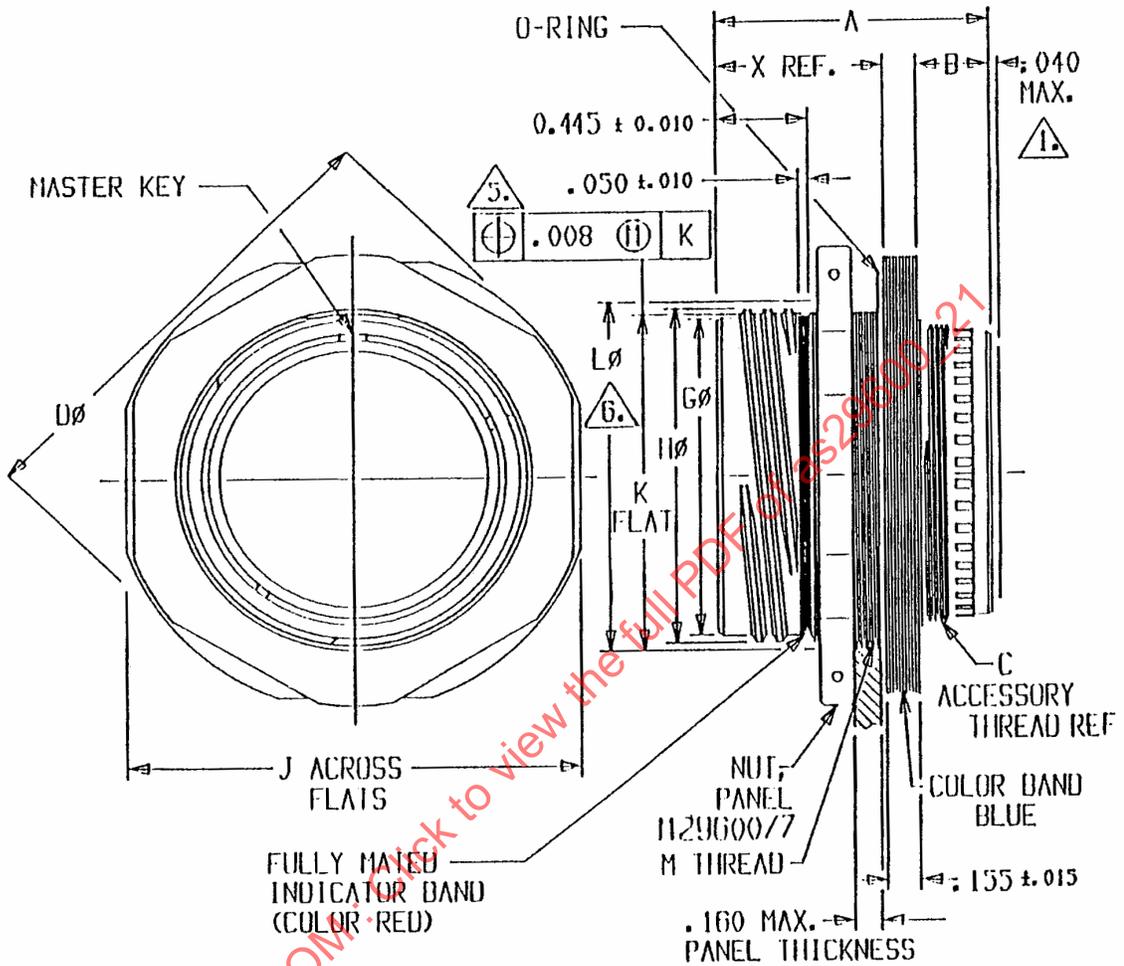


FIGURE 1. M29600/21 COMPOSITE CONNECTOR CONFIGURATION.

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.
-  K datum is identified on figure 8 of MIL-C-29600.
 L is the maximum jam nut thread diameter.

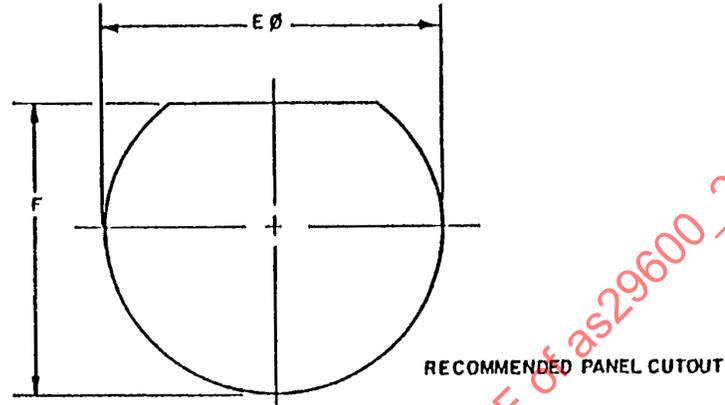


TABLE I. M29600/21 DIMENSIONS.

SHELL SIZE	A ±0.010	B ±0.010	C THREAD REF	D ±0.011	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	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