

AS29600/10

THIS DOCUMENT HAS BEEN TAKEN DIRECTLY FROM U.S. MILITARY SPECIFICATION MIL-C-29600/10, AMENDMENT 1 AND CONTAINS ONLY MINOR EDITORIAL AND FORMAT CHANGES REQUIRED TO BRING IT INTO CONFORMANCE WITH THE PUBLISHING REQUIREMENTS OF SAE TECHNICAL STANDARDS. THE INITIAL RELEASE OF THIS DOCUMENT IS INTENDED TO REPLACE MIL-C-29600/10, AMENDMENT 1. ANY PART NUMBERS ESTABLISHED BY THE ORIGINAL SPECIFICATION REMAIN UNCHANGED.

THE ORIGINAL MILITARY SPECIFICATION WAS ADOPTED AS AN SAE STANDARD UNDER THE PROVISIONS OF THE SAE TECHNICAL STANDARDS BOARD (TSB) RULES AND REGULATIONS (TSB 001) PERTAINING TO ACCELERATED ADOPTION OF GOVERNMENT SPECIFICATIONS AND STANDARDS. TSB RULES PROVIDE FOR (A) THE PUBLICATION OF PORTIONS OF UNREVISED GOVERNMENT SPECIFICATIONS AND STANDARDS WITHOUT CONSENSUS VOTING AT THE SAE COMMITTEE LEVEL, AND (B) THE USE OF THE EXISTING GOVERNMENT SPECIFICATION OR STANDARD FORMAT.

UNDER DEPARTMENT OF DEFENSE POLICIES AND PROCEDURES, ANY QUALIFICATION REQUIREMENTS AND ASSOCIATED QUALIFIED PRODUCTS LISTS ARE MANDATORY FOR DOD CONTRACTS. ANY REQUIREMENT RELATING TO QUALIFIED PRODUCTS LISTS (QPL'S) HAS NOT BEEN ADOPTED BY SAE AND IS NOT PART OF THIS TECHNICAL REPORT.

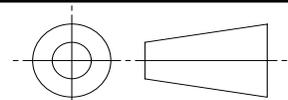
SAE Technical Standards Board Rules provide that: "This report is published by SAE to advance the state of technical and engineering sciences. The use of this report is entirely voluntary, and its applicability and suitability for any particular use, including any patent infringement arising therefrom, is the sole responsibility of the user."

SAE reviews each technical report at least every five years at which time it may be reaffirmed, revised, or cancelled. SAE invites your written comments and suggestions.

SAENORM.COM : Click to view the full PDF of as29600_10

SAE values your input. To provide feedback on this Technical Report, please visit <http://www.sae.org/technical/standards/AS29600/10>

THIRD ANGLE PROJECTION



CUSTODIAN: AE-8/AE-8C1



AEROSPACE STANDARD

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

AS29600/10
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.

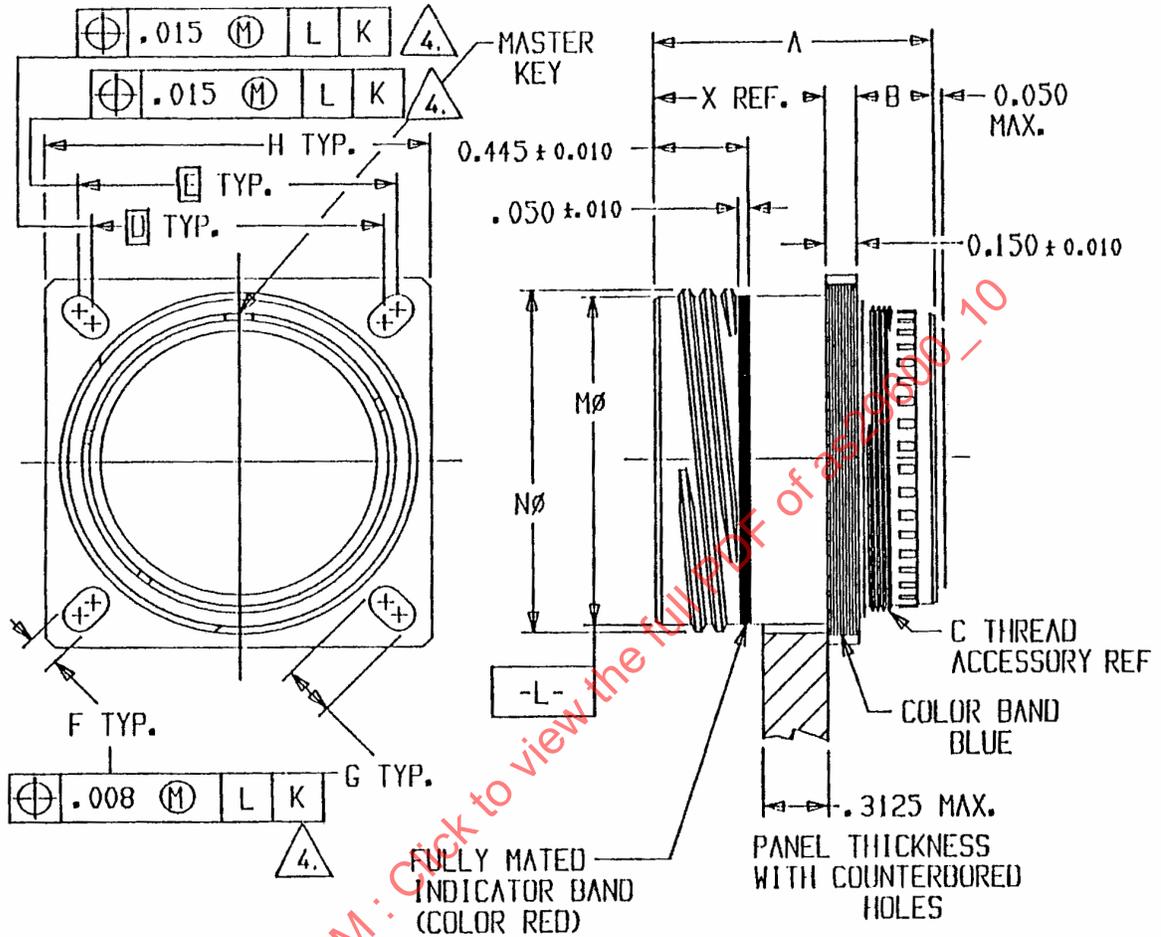


FIGURE 1. M29600/10 COMPOSITE CONNECTOR CONFIGURATION.

NOTES:

1. Dimensions are in inches unless otherwise specified.
 2. Metric equivalents are based upon 1 inch = 25.4 mm.
 3. Dimensions apply after plating.
4.  K datum is identified on Figure 3 of MIL-C-29600.

TABLE I. M29600/10 DIMENSIONS.

SHELL SIZE	A ±.010	B ±.010	C THREAD REF	D BSC	E BSC	F +.004 -.002	G +.004 -.002
9	1.273	.296	.500-28	.594	.719	.128	.216
11	1.273	.296	.625-28	.719	.812	.128	.194
13	1.273	.296	.750-28	.812	.906	.128	.194
15	1.273	.296	.875-28	.906	.969	.128	.173
17	1.273	.296	1.000-28	.969	1.062	.128	.194
19	1.273	.296	1.125-28	1.156	1.250	.128	.194
21	1.273	.305	1.250-28	1.250	1.375	.154	.242
23	1.273	.305	1.375-28	1.375	1.500	.154	.242
25	1.273	.305	1.500-28	1.375	1.500	.154	.242

SHELL SIZE	H TYP ±0.015	M \emptyset REF	N \emptyset MAX	X REF
9	.939	.565	.628	.827
11	1.034	.688	.753	.827
13	1.131	.814	.873	.827
15	1.225	.938	1.003	.827
17	1.318	1.109	1.190	.827
19	1.568	1.297	1.378	.827
21	1.694	1.422	1.503	.818
23	1.814	1.547	1.628	.818
25	1.814	1.609	1.690	.818

Inches	mm	Inches	mm	Inches	mm	Inches	mm
.002	.051	.594	15.088	.969	24.613	1.375	34.925
.004	.102	.628	15.951	1.003	25.476	1.378	35.001
.005	.127	.688	17.475	1.034	26.264	1.422	36.119
.010	.254	.719	18.263	1.062	26.975	1.500	38.100
.128	3.251	.753	19.126	1.109	28.169	1.503	38.176
.154	3.912	.812	20.625	1.131	28.727	1.547	39.294
.173	4.394	.814	20.676	1.156	29.362	1.568	39.827
.194	4.928	.818	20.777	1.190	30.226	1.609	40.869
.216	5.486	.827	21.006	1.225	31.115	1.628	41.351
.242	6.147	.873	22.174	1.250	31.750	1.690	42.926
.296	7.518	.906	23.012	1.273	32.334	1.694	43.028
.305	7.747	.938	23.825	1.297	32.944	1.814	46.076
.565	14.351	.939	23.851	1.318	33.477		