FEDERAL SUPPLY CLASS
5935

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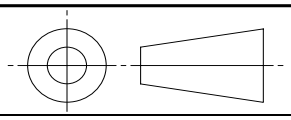
ISSUED 2004-04 REAFFIRMED 2009-08

THIRD ANGLE PROJECTION



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http://www.sae.org/technical/standards/AS29600/3

CUSTODIAN: SAE AE-8/AE-8C1

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AEROSPACE STANDARD

CONNECTOR, ELECTRICAL, CIRCULAR, MINIATURE, COMPOSITE, HIGH DENSITY, QUICK COUPLING, ENVIRONMENTAL RESISTANT, REMOVABLE CRIMP CONTACTS, BACKSHELL 90°, SELF LOCKING (SERIES A AND B)

AS29600/3
SHEET 1 OF 4

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

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

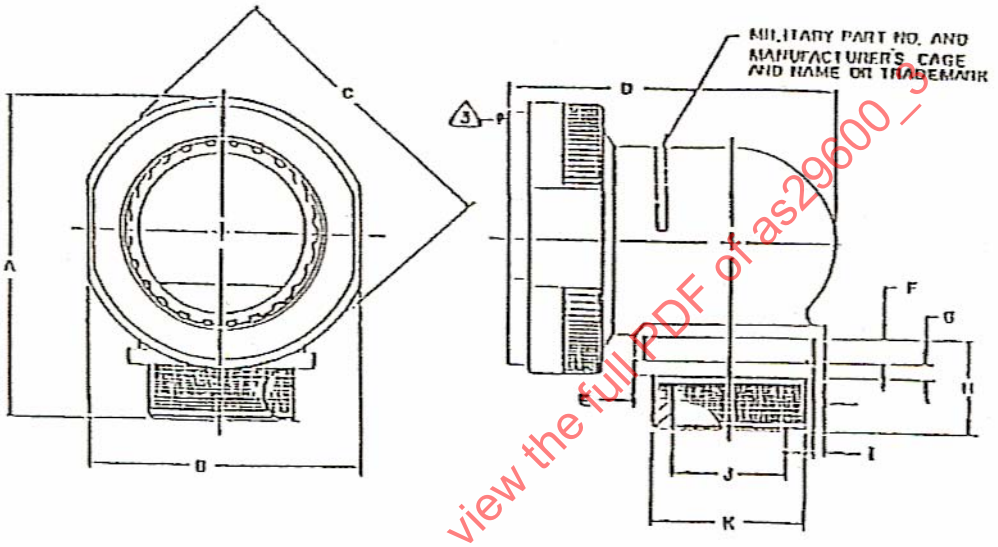

FIGURE 1. 90° BACKSHELL.

NOTES:

1. Dimensions are in inches unless otherwise specified.
2. Metric equivalents are based upon 1 inch = 25.4 mm.
3. See MIL-C-29600 for interface dimensions.
4. Method of shield termination is optional.

TABLE I. DIMENSIONS.

SHELL SIZE	A ±.050	B FLATS	C ±.015	D ±.050	E ±.015	F	G	H	I	J ±.010	K	MS9068 DASH NO.
08-09												-013
10-11												-015
13												-017
14-15												-019
16-17	1.750	1.375	1.450	1.625	.925	.140 .130	.100 .090	.690 .450	.060 .450	.560	.750 .743	-021
18-19												-023
20-21												-025
22-23												-027

Inches	mm	Inches	mm	Inches	mm
.002	0.058	.060	1.524	.743	18.87
.003	0.076	.090	2.286	.750	19.05
.006	0.152	.100	2.540	.925	23.50
.010	0.254	.130	3.302	1.375	34.93
.012	0.305	.140	3.556	1.450	36.83
.015	0.381	.450	11.43	1.625	41.28
.045	1.143	.560	14.22	1.750	44.45
.050	1.270	.690	17.53		

TABLE II. QUALIFICATION TESTS. 1/

INSPECTION	REQUIREMENT PARAGRAPH	TEST PARAGRAPH
EXAMINATION OF PRODUCT	3.1 THRU 3.5, 3.41 AND 3.42	4.6.1
LIFE CYCLE	MIL-C-29600/3	MIL-C-29600/3
EMI SHIELDING EFFECTIVENESS	3.27	4.6.22
TEMPERATURE CYCLING	3.8	4.6.3
VIBRATION	3.22	4.6.17
SHOCK	3.23	4.6.18
SHIELD TO SHELL CONDUCTIVITY	MIL-C-29600/3	4.6.19.3
EXTERNAL BENDING MOMENT	3.17	4.6.12
SALT SPRAY (2000 HOURS)	3.15	4.6.10.1
ACCESSORY THREAD STRENGTH	3.39	4.6.35
IMPACT	3.38	4.6.33
FLUID IMMERSION	3.29	4.6.24
PLATING ADHESION	3.28	4.6.32
EXAMINATION OF PRODUCT	3.1 THRU 3.5, 3.41 AND 3.42	4.6.1

1/ UNLESS OTHERWISE SPECIFIED ALL QUALIFICATION TESTS SHALL BE PERFORMED IN ACCORDANCE WITH MIL-C-29600.