

**AS29600/3**

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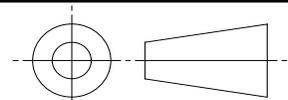
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THIRD ANGLE PROJECTION



CUSTODIAN: SAE AE-8/AE-8C1



**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

ISSUED 2004-04 REAFFIRMED 2009-08

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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.

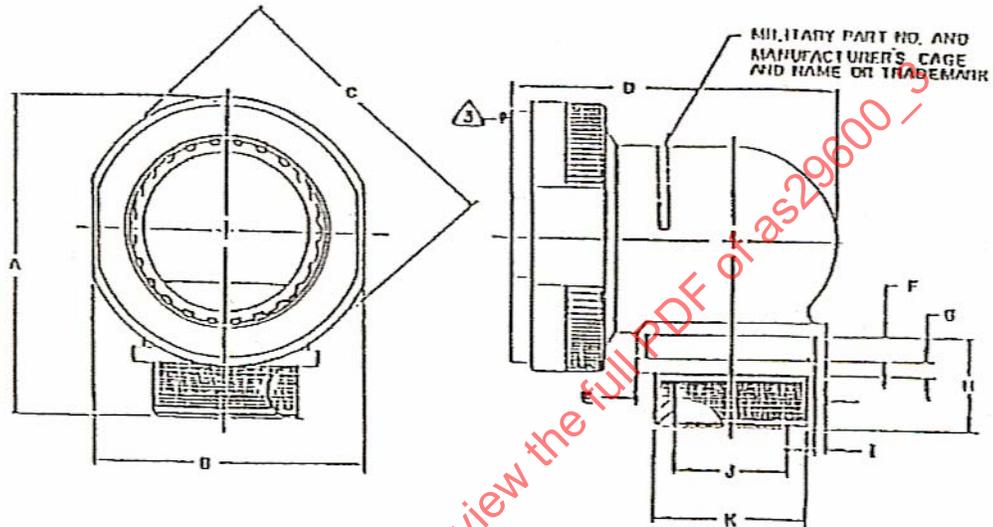


FIGURE 1. 90° BACKSHELL.

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. <sup>1/</sup>

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

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