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REV. A
AS29600/4

FEDERAL SUPPLY CLASS
5935

RATIONALE

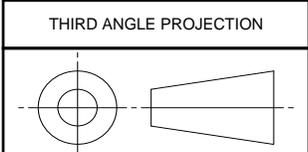
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CUSTODIAN: AE-8/AE-8C1		PROCUREMENT SPECIFICATION: NONE	
	AEROSPACE STANDARD		AS29600/4
	CONNECTOR, ELECTRICAL, CIRCULAR, MINIATURE, COMPOSITE, HIGH DENSITY, QUICK COUPLING, ENVIRONMENTAL RESISTANT, REMOVABLE CRIMP CONTACT, BACKSHELL 45°, SELF LOCKING (SERIES A AND B)		

ISSUED 2004-04 REAFFIRMED 2009-08 STABILIZED 2014-09

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	AEROSPACE STANDARD	AS29600/4 SHEET 1 OF 4	REV. A
	CONNECTOR, ELECTRICAL, CIRCULAR, MINIATURE, COMPOSITE, HIGH DENSITY, QUICK COUPLING, ENVIRONMENTAL RESISTANT, REMOVABLE CRIMP CONTACT, BACKSHELL 45°, SELF LOCKING (SERIES A AND B)		

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.

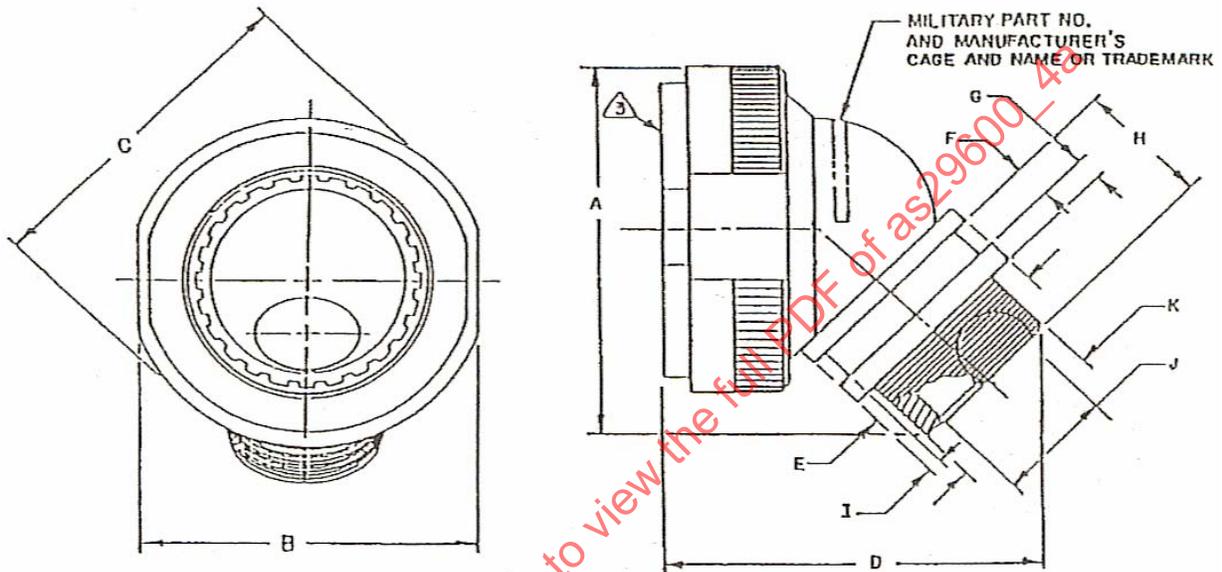


FIGURE 1. 45° BACKSHELL.

NOTES:

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

	AEROSPACE STANDARD	AS29600/4 SHEET 2 OF 4	REV. A
	<small>CONNECTOR, ELECTRICAL, CIRCULAR, MINIATURE, COMPOSITE, HIGH DENSITY, QUICK COUPLING, ENVIRONMENTAL RESISTANT, REMOVABLE CRIMP CONTACT, BACKSHELL 45°, SELF LOCKING (SERIES A AND B)</small>		

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	1.500	1.250	1.313	1.415	.800	.140 .130	.100 .090	.530 .505	.060 .045	.437	.625 .620	-019
16-17												-021
18-19												-023
20-21												-025
22-23												-027

Inches	mm	Inches	mm	Inches	mm
.002	0.051	.060	1.524	.620	15.75
.003	0.076	.090	2.286	.625	15.88
.006	0.152	.100	2.540	.800	20.32
.010	0.254	.130	3.302	1.250	31.75
.012	0.305	.140	3.556	1.313	33.35
.015	0.381	.437	11.10	1.415	35.94
.045	1.143	.505	12.83	1.500	38.10
.050	1.270	.530	13.46		

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-29600/4	MIL-C-29600/4
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-29600/4	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.