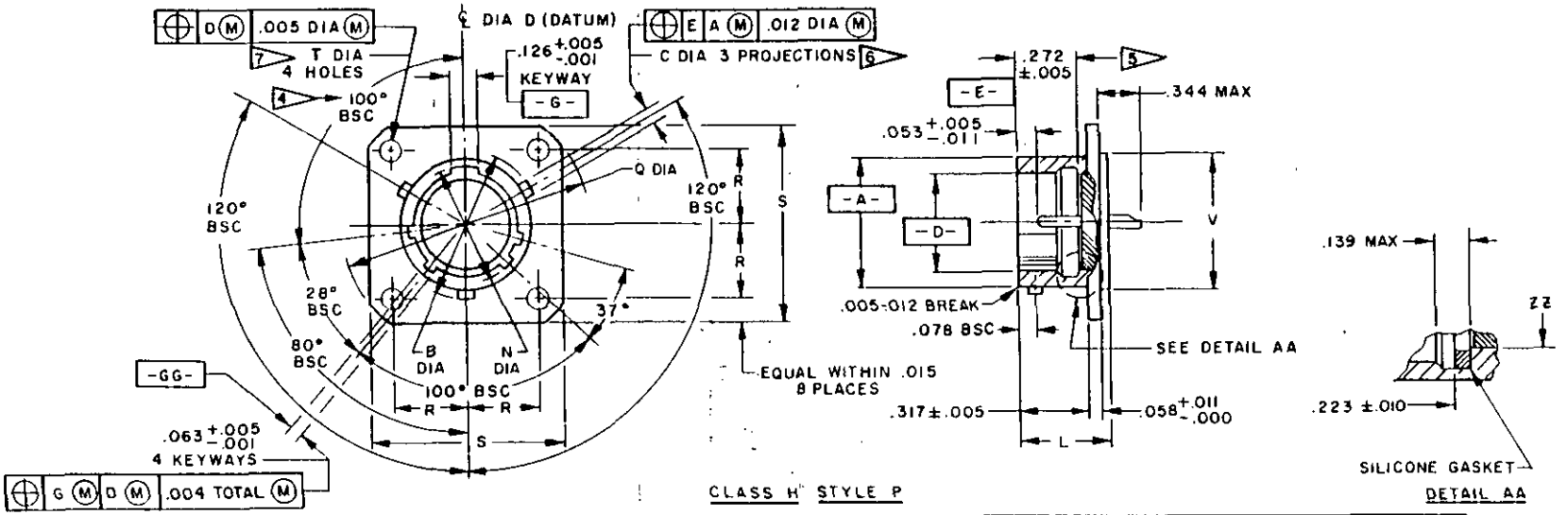
This standard has been approved by the Department of the USAF and is mandatory for use by that activity. All other military activities are required to employ this standard where suitable.



SHELL SIZE	A +.001 -.005 DIA	B +.000 -.016 DIA OVER PROJ	C +.006 -.002 DIA	D +.005 -.001 DIA	L MAX	N +.005 -.006 DIA	Q MAX DIA	R BSC	S MAX	T +.010 -.005	V +.001 -.005 DIA	CC	ZZ MIN DIA	FOR INSERT ARRANGEMENT SEE DWG MS
8	.473	.563	.078	.362	.469	.412	1.078	.297	.828	.120	.562	.004	.403	27343
10	.590	.680		.490		.540	1.266	.3595	.954		.672	.010	.515	27344
12	.750	.859		.607		.689	1.391	.406	1.047		.781		.629	27345
14	.875	.984		.732		.814	1.516	.453	1.141		.906		.754	27346
16	1.000	1.108		.857		.939	1.641	.4845	1.234		1.031		.879	27347
18	1.125	1.233		.962		1.039	1.766	.531	1.328		1.156		.980	27348
20	1.250	1.358	.125	1.087	.500	1.164	1.891	.578	1.453		1.250		1.105	27349
22	1.375	1.483		1.212		1.289	2.016	.625	1.578		1.375		1.230	27350
24	1.500	1.610		1.337		1.414	2.204	.6875	1.703	.147	1.500		1.355	27351

NOTES
1 — DIMENSIONS IN INCHES
2 — DIAMETERS A AND D SHALL BE CONCENTRIC WITHIN .015 TIR.
3 — DIAMETER A WITH RESPECT TO DIA B, AND DIAMETER D WITH RESPECT TO DIAMETER N, SHALL BE CONCENTRIC AT MMC.
4 NORMAL KEYWAY POSITION. FOR OTHER KEYWAY POSITIONS SEE TABLE A, FIGURE 2 OF PROCUREMENT SPECIFICATION.
5 DISTANCE TO BOTTOM OF GASKET GROOVE AND ALSO TO FACE OF VITREOUS INSERT.
6 THE GAGE FEATURES FOR GG SHALL BE CC SMALLER THAN MMC SIZE AT BASIC LOCATION.
7 THE GAGE FEATURES FOR GG SHALL BE .010 SMALLER THAN MMC SIZE AT BASIC LOCATION.

EXAMPLE OF PART NUMBER:
MS27339 H 24 A 61 P A
MS NO. | CLASS | SHELL SIZE | FINISH (COLOR) | INSERT ARR NUMBER | STYLE (P OR S) | POLARIZATION NO LETTER REQUIRED FOR NORMAL

Ⓓ CANCELED AFTER 15 DEC 80. FOR SIMILAR CONNECTOR USE MS27476.

THIS STANDARD TAKES PRECEDENCE OVER DOCUMENTS REFERENCED HEREIN.
REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATION FOR BID.

APPROVED 26 JAN 66 REVISED (A) 11 AUG 66 (B) ENTIRE STD REDRAWN 1 FEB 67 (C) 20 DEC 67 (D) 15 DEC 80

P.A. 15
Other Cust

PROCUREMENT SPECIFICATION MIL-C-27599 (USAF)

SUPERSEDES:

TITLE CONNECTOR, RECEPTACLE, ELECTRIC, SOLDER TYPE, BOX MOUNTING, HERMETIC SEAL, PIN, BAYONET COUPLING

MILITARY STANDARD

MS27339

SHEET 1 OF 1

FED. SUP CLASS 5935

DD FORM 1426 672-1 (Limited coordination)

EDITION OF 1 SEP 67 MAY BE USED

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