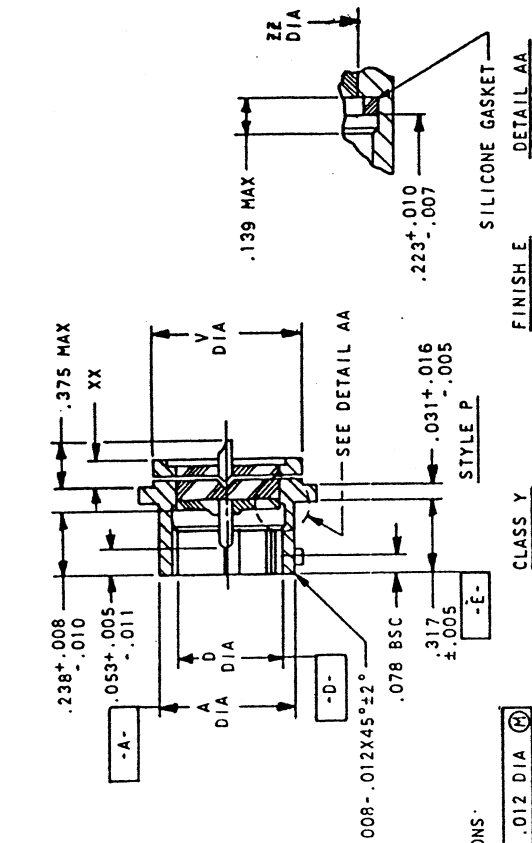


THE REQUIREMENTS FOR ACQUIRING THE PRODUCT(S) DESCRIBED HEREIN SHALL CONSIST OF THIS SPECIFICATION SHEET AND THE ISSUE OF THE FOLLOWING SPECIFICATION LISTED IN THAT ISSUE OF THE DODISS SPECIFIED IN THE SOLICITATION: MIL-C-38999

THIS SPECIFICATION IS APPROVED FOR USE BY the Department of the Air Force and is available for use by all Departments and Agencies of the Department of Defense.



SEE NOTE 5
C DIA 3 PROJECTIONS
E A GG .012 DIA

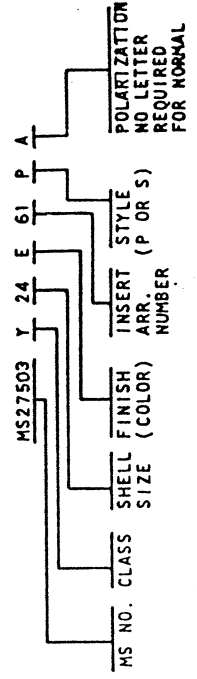
SHELL SIZE	A +.001 -.005 DIA	B +.000 -.016 DIA	C +.006 -.002 DIA	D +.005 -.001 DIA	XX MAX	N +.005 -.006 DIA	Q +.011 -.010 DIA	V +.001 -.005 DIA	CC	FOR INSERT ARR SEE DWG MS
8	.473	.563	.362	.412	.687	.562	.403	.27343, 27516	.004	
10	.590	.690	.490	.540	.797	.672	.515	27344, 27517		
12	.750	.859	.607	.689	.906	.781	.629	27345, 27518		
14	.875	.954	.732	.814	1.031	.906	.754	27346, 27519		
16	1.000	1.108	.857	.939	1.156	1.031	.879	27347, 27520	.010	
18	1.125	1.233	.962	1.039	1.281	1.156	.980	27348, 27521		
20	1.250	1.358	1.087	1.164	1.375	1.250	1.105	27349, 27522		
22	1.375	1.483	1.212	1.289	1.500	1.375	1.230	27350, 27523		
24	1.500	1.610	1.337	1.414	1.625	1.500	1.355	27351, 27524		

NOTES:

- DIMENSIONS IN INCHES.
- DIAMETERS A AND D SHALL BE CONCENTRIC WITHIN .015 TIR.
- DIAMETER A WITH RESPECT TO DIAMETER B, AND DIAMETER D WITH RESPECT TO DIAMETER N, SHALL BE CONCENTRIC AT MMC.
- NORMAL KEYWAY POSITION, FOR OTHER KEYWAY POSITIONS SEE FIGURE 4 OF PROCEDURE SPECIFICATION.
- THE GAGE FEATURES FOR GG SHALL BE CC SMALLER THAN THEIR MMC AT BASIC LOCATION.

© CANCELED 6 MONTHS FROM THE DATE OF THIS DOCUMENT. USE MS27478

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



EXAMPLE OF PART NUMBER

PREPARING ACTIVITY: AF - 85
CUSTODIANS: ARMY - NAVY - AIR FORCE - DLA -
REVIEW:
USER:
PROJECT NUMBER: 5935-F368
DISTRIBUTION STATEMENT A. Approved for public release; distribution is unlimited.

MILITARY SPECIFICATION SHEET
TITLE
CONNECTOR, RECEPTACLE, ELECTRIC, SOLDER MOUNTING, SOLDER TYPE, HERMETIC SEAL, SERIES II

SPECIFICATION SHEET NUMBER
MS27503C (USAF) 4 May 90
SUPERSEDING MS27503B(USAF) 13 August 1974
AMSC N/A FSC 5935
Page 1 of 2

THE REQUIREMENTS FOR ACQUIRING THE PRODUCT(S) DESCRIBED HEREIN SHALL CONSIST OF THIS SPECIFICATION SHEET AND THE ISSUE OF THE FOLLOWING SPECIFICATION LISTED IN THAT ISSUE OF THE DODISS SPECIFIED IN THE SOLICITATION: MIL-C-38999

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SEE NOTE 4

SEE NOTE 3

SEE NOTE 1

SEE NOTE 8

C DIA 3 PROJECTIONS

4 KEYS
G A M D H

4 KEYS
G A M D H

4 KEYS
G A M D H

4 KEYS
G A M D H

SHELL SIZE	A +.001 -.005 DIA	B +.000 -.016 OVER PROJ.	C +.006 -.002 DIA	D +.005 -.001 DIA	I ±.005 DIA	XX MAX	N +.005 -.006 DIA	Q +.011 -.010 DIA	V +.001 -.005 DIA	CC	ZZ MIN DIA	FINISH E	
												FOR INSERT ARR SEE DWG MS	STYLE S
8	.473	.563		.362	.296		.412	.687	.562	.004	.403	27343	27516
10	.590	.680		.490	.413		.540	.797	.672			27344	27517
12	.750	.859	.078	.607	.527	.125	.689	.906	.781		.629	27345	27518
14	.875	.984		.732	.652		.814	1.031	.906		.754	27346	27519
16	1.000	1.108		.857	.777		.939	1.156	1.031	.010	.879	27347	27520
18	1.125	1.233		.962	.866		1.039	1.281	1.156		.980	27348	27521
20	1.250	1.358		1.087	.991		1.164	1.375	1.250		1.105	27349	27522
22	1.375	1.483	.125	1.212	1.116	.156	1.289	1.500	1.375		1.230	27350	27523
24	1.500	1.610		1.337	1.241		1.414	1.625	1.500		1.355	27351	27524

NOTES:

- INSERT FRONT SURFACE SHALL BE FLAT WITHIN .005 TIR.
- DIMENSIONS IN INCHES.
- THE POINT AT WHICH A GAGE PIN, HAVING THE SAME BASIC DIAMETER AS THE MATING CONTACT AND A SQUARE FACE, TOUCHES SOCKET CONTACT SPRING.
- NORMAL KEYWAY POSITION. FOR OTHER KEYWAY POSITIONS SEE FIGURE 4 OF PROCUREMENT SPECIFICATION.
- DIAMETERS A AND D SHALL BE CONCENTRIC WITHIN .015 TIR.
- DIAMETER A WITH RESPECT TO DIAMETER B, AND DIAMETER D WITH RESPECT TO DIAMETER N, SHALL BE CONCENTRIC AT MMC.
- DIAMETERS D AND I SHALL BE CONCENTRIC WITHIN .005 TIR AT MMC.
- THE GAGE FEATURES FOR GG SHALL BE CC SMALLER THAN THEIR MMC SIZE AT BASIC LOCATION.

EXAMPLE OF PART NUMBER

MS27503 Y 24 E 61 S A

FINISH (COLOR) INSERT STYLE (P OR S) POLARIZATION (NO LETTER REQUIRED FOR NORMAL)

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

PREPARING ACTIVITY: AF - 85 CUSTODIANS: ARMY - NAVY - AIR FORCE - DLA - REVIEW: USER: PROJECT NUMBER: 5935-F368	MILITARY SPECIFICATION SHEET TITLE CONNECTOR, RECEPTACLE, ELECTRIC, SOLDER MOUNTING, SOLDER TYPE, HERMETIC SEAL, SERIES II	SPECIFICATION SHEET NUMBER MS27503 C (USAF) SUPERSEDING MS27503B(USAF) AMSC N/A FSC 5935
DISTRIBUTION STATEMENT A. Approved for public release; distribution is unlimited.		Page 2 of 2