

Army - MI, AR
Navy - EC, MC, OS
Air Force - 11, 15, 17, 99
DLA - ES

Reviewer activities:

This military standard is approved for use by all Departments and Agencies of the Department of Defense. Selection for all new engineering and design applications and for repetitive use shall be made from this document.

User activities:

FED. SUP CLASS 5935			
<p>EQUAL WITHIN .015 8 PLACES</p> <p>$.447^{+.000}_{-.005}$</p> <p>$.008 \times 45^\circ \pm 2^\circ$</p> <p>$.058^{+.011}_{-.000}$</p> <p>$.203 \text{ MAX}$</p> <p>$.322^{+.000}_{-.005}$</p> <p>$.06 \text{ MAX GROMMET EXTENSION}$</p> <p>CHAMFERED or ROUNDED (4 PLACES)</p> <p>80° BSC</p> <p>120° BSC TYP</p> <p>T DIA 4 HOLES</p> <p>SEE NOTE 6</p> <p>⊕ H ⊕ GG ⊕ .005 DIA ⊕ STYLE P</p>	<p>MARKING SURFACE LOCATION OPTIONAL</p> <p>⊕</p> <p>STYLE S</p> <p>.06 MAX GROMMET EXTENSION</p> <p>FOR DETAILS OF CONNECTOR FRONT END CONFIGURATION, SEE PROCUREMENT SPECIFICATIONS.</p> <p>SEE NOTE 8</p>		
EXAMPLE OF PART NUMBER			
<p>MS27508 E 24 F 01 P A</p> <p>MS NO. CLASS SHELL SIZE FINISH (COLOR) INSERT ARR NUMBER STYLE (P OR S) POLARIZATION NO LETTER REQD FOR NORMAL</p>			
ⓕ DENOTES CHANGE			
P.A. AF-85 Other Cull ARMY - CR NAVY - AS	International Interest	TITLE CONNECTOR, RECEPTACLE, ELECTRICAL, BACK PANEL BOX MOUNTING FLANGE, CRIMP TYPE, BAYONET COUPLING, SERIES II	MILITARY STANDARD MS27508
Procurement Specification MIL-C-38999	SUPERSEDES: MS27508(USAF)		PAGE 1 OF 2

APPROVED 8 Mar 68 REVISED (B) 13 AUG 74 (C) 2 JAN 1976 (D) 11 JUL 80 (E) 15 APR 82 (F) 15 JUNE 1984

FED. SUP CLASS
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(F)

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and for repetitive use

SHELL SIZE	L MAX	R BSC	S MAX	T +.010 -.005	AB MAX	F MAX
8	.250	.297	.828	.120	.547	.146
10		.3595	.954		.672	
12		.406	1.047		.844	
14		.453	1.141		.969	
16		.4845	1.234		1.094	
18		.531	1.328		1.219	
20		.578	1.453		1.344	.168
22		.625	1.578		1.469	
24		.6875	1.703		1.594	

INCHES	MM	INCHES	MM	INCHES	MM	INCHES	MM	INCHES	MM
.005	.13	.146	3.71	.531	13.49	1.078	27.38	1.516	38.51
.007	.18	.147	3.73	.547	13.89	1.094	27.79	1.578	40.08
.008	.20	.168	4.23	.578	14.68	1.141	28.98	1.594	40.49
.010	.25	.203	5.16	.625	15.88	1.219	30.96	1.641	41.68
.011	.28	.223	5.66	.672	17.07	1.234	31.34	1.703	43.26
.012	.30	.250	6.35	.6875	17.46	1.266	32.16	1.766	44.86
.036	.91	.297	7.54	.828	21.03	1.328	33.73	1.891	48.03
.058	1.47	.322	8.18	.844	21.44	1.344	34.14	2.016	51.21
.06	1.5	.3595	9.13	.844	21.44	1.344	34.14	2.016	51.21
.120	3.05	.406	10.31	.954	24.23	1.391	35.33	2.204	55.98
.139	3.53	.447	11.35	.969	24.61	1.453	36.91		
		.453	11.51	1.047	26.59	1.469	37.31		
		.4845	12.31						

NOTES:

- Dimensions are in inches.
- Metric equivalents are given for general information only.
- For main keyway and keyway positions, see MIL-C-38999.
- For design feature purposes, this standard takes precedence over procurement documents referenced herein.
- Referenced documents shall be of the issue in effect on date of invitations for bid.
- The gage feature for GG shall be .010 (.25 mm) smaller than the MMC size at basic location.
- Dimensioning and tolerances are in accordance with ANSI Y 14.5-1973.
- Maximum panel thickness including mounting hardware.

APPROVED 8 MAR 68 REVISED (F) FOR CHANGES SEE SHEETS 1 & 2

P.A. AF485	International Interest	TITLE CONNECTOR, RECEPTACLE, ELECTRICAL, BACK PANEL BOX MOUNTING FLANGE, CRIMP TYPE, BAYONET COUPLING, SERIES II	MILITARY STANDARD
Other Cust ARMY - CR NAVY - AS			MS 27508
Procurement Specification MIL-C-38999	SUPERSEDES:	MS27508 (USAF)	PAGE 2 OF 2

DD FORM 672 1 SEP 63 Coordinated PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

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