

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.

Reviewer activities: Army - MI, MU
Navy - EC, MC, OS
Air Force - 11, 15, 17, 80
DSA - ES

FED. SUP CLASS
5935

CLASS I

ⓐ CANCELED. FOR PROCUREMENT USE MS27497

FOR DETAILS OF CONNECTOR FRONT AND REAR END CONFIGURATION, SEE PROCUREMENT SPECIFICATION

CLASS E OR I

TABLE I

Shell size	A	B	C	D	P (max) panel thickness	T ±.005	H Thread UNSEF-2A	S dia. max
8	.812	.594	.563	.516	.147	↑	7/16 - 28	.594
10	.938	.719	.680	.633	.152	↑	9/16 - 24	.719
12	1.031	.812	.859	.802	.152	↑	1 1/16 - 24	.844
14	1.125	.906	.984	.927	.152	.120	13/16 - 20	.969
16	1.219	.969	1.108	1.052	.152	↑	15/16 - 20	1.078
18	1.312	1.067	1.233	1.177	.152	↑	1-1/16 - 18	1.219
20	1.438	1.156	1.358	1.302	.179	↑	1-3/16 - 18	1.344
22	1.562	1.250	1.483	1.427	.179	↑	1-5/16 - 18	1.469
24	1.688	1.375	1.610	1.552	.169	.147	1-7/16 - 18	1.594

INACTIVE FOR DESIGN USE MS27497

P.A. AF-85

Other Cust:
ARMY - EL
NAVY - AS

Procurement Specification
MIL-C-38999

International interest

TITLE CONNECTOR, RECEPTACLE, ELECTRICAL, BACK PANEL WALL MOUNTING, CRIMP TYPE, BAYONET COUPLING, SERIES II.

SUPERSEDES:
MS0027664(USAF)

MILITARY STANDARD

MS27664

SHEET 1 OF 2

APPROVED 14 Nov 1972 REVISED (B) 13 AUG 74 (C) 2 JAN 1976 (D) 9 MAR 88

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P.A. AF - 85	International interest:	TITLE CONNECTOR, RECEPTACLE, ELECTRICAL, BACK PANEL WALL MOUNTING, CRIMP TYPE, BAYONET COUPLING, SERIES II.	MILITARY STANDARD
Other Cust ARMY - EL NAVY - AS			MS 27664
Procurement Specification MIL-C-38999	SUPERSEDES:		SHEET 2 OF 2

EXAMPLE OF PART NUMBER	INCHES		MM	
	INCHES	MM	INCHES	MM
MS 27664	.005	.13	.906	23.01
E	.006	.15	.927	23.55
CLASS	.010	.25	.938	23.83
12	.120	3.05	.969	24.61
SHELL SIZE	.147	3.73	.984	24.99
F	.152	3.86	1.031	26.19
FINISH	.169	4.29	1.052	26.72
35	.179	4.55	1.062	26.97
INSERT ARR.	.219	5.56	1.078	27.38
P	.238	6.05	1.108	28.14
STYLE (P or S)	.438	11.13	1.219	30.96
A	.447	11.35	1.125	28.58
POLARIZATION (NO LETTERS REQUIRED FOR NORMAL)	.506	12.85	1.156	29.36
	.516	13.11	1.177	29.90
	.547	13.89	1.219	30.96
	.563	14.30	1.233	31.32
	.594	15.09	1.250	31.75
	.633	16.08	1.302	33.07
	.680	17.27	1.312	33.32
	.719	18.26	1.344	34.14
	.802	20.37	1.358	34.49
	.812	20.62	1.375	34.93
	.844	21.44	1.427	36.25
	.859	21.82	1.438	36.53
			1.469	37.31
			1.483	37.67
			1.552	39.42
			1.562	39.67
			1.594	40.49
			1.610	40.89
			1.688	42.88

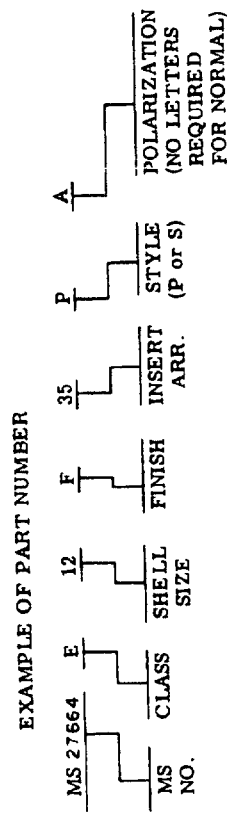


TABLE II
Operating Voltage

Service Rating	Operating Voltage	
	AC(rms)	DC
M	400	550
I	600	850
II	900	1250

- NOTES:
- Dimensions are in inches.
 - In addition to the requirements of MIL-C-38999, the connector shall meet the operating voltage requirements as specified in table II.
 - This standard takes precedence over procurement documents referenced herein.
 - Referenced documents shall be of the issue in effect on date of invitation for bids.
 - Thread relief undercut permissible in manufacturer of .219 minimum full thread.
 - The gage feature for GG shall be .010 (.25 mm) smaller than the MMC size at basic location.
 - For main keyway and keyway positions, see MIL-C-38999.

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