

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

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			SUPERSEDES: MS0027664(USAF)		MS27664	
Procurement Specification MIL-C-38999					SHEET 1 OF 2	

DD FORM 672
1 SEP 63

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

5935-3657-02

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

**INACTIVE FOR DESIGN
USE MS27497**

CLASS I

**① CANCELED. FOR PROCUREMENT
USE MS27497**

FED. SUP CLASS
5935

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

TABLE I

CLASS E OR I

Technical drawing of a connector receptacle. The front view shows a square flange with four mounting holes. Dimensions include: A (overall width), B (TP) (hole spacing), C (TP) (hole diameter), D (TP) (hole diameter), E (TP) (hole diameter), F (TP) (hole diameter), G (TP) (hole diameter), H (TP) (hole diameter), I (TP) (hole diameter), J (TP) (hole diameter), K (TP) (hole diameter), L (TP) (hole diameter), M (TP) (hole diameter), N (TP) (hole diameter), O (TP) (hole diameter), P (TP) (hole diameter), Q (TP) (hole diameter), R (TP) (hole diameter), S (TP) (hole diameter), T (TP) (hole diameter), U (TP) (hole diameter), V (TP) (hole diameter), W (TP) (hole diameter), X (TP) (hole diameter), Y (TP) (hole diameter), Z (TP) (hole diameter). The rear view shows the internal crimp contacts. Dimensions include: 1 (overall height), 2 (TP) (contact spacing), 3 (TP) (contact diameter), 4 (TP) (contact diameter), 5 (TP) (contact diameter), 6 (TP) (contact diameter), 7 (TP) (contact diameter), 8 (TP) (contact diameter), 9 (TP) (contact diameter), 10 (TP) (contact diameter), 11 (TP) (contact diameter), 12 (TP) (contact diameter), 13 (TP) (contact diameter), 14 (TP) (contact diameter), 15 (TP) (contact diameter), 16 (TP) (contact diameter), 17 (TP) (contact diameter), 18 (TP) (contact diameter), 19 (TP) (contact diameter), 20 (TP) (contact diameter), 21 (TP) (contact diameter), 22 (TP) (contact diameter), 23 (TP) (contact diameter), 24 (TP) (contact diameter), 25 (TP) (contact diameter), 26 (TP) (contact diameter), 27 (TP) (contact diameter), 28 (TP) (contact diameter), 29 (TP) (contact diameter), 30 (TP) (contact diameter), 31 (TP) (contact diameter), 32 (TP) (contact diameter), 33 (TP) (contact diameter), 34 (TP) (contact diameter), 35 (TP) (contact diameter), 36 (TP) (contact diameter), 37 (TP) (contact diameter), 38 (TP) (contact diameter), 39 (TP) (contact diameter), 40 (TP) (contact diameter), 41 (TP) (contact diameter), 42 (TP) (contact diameter), 43 (TP) (contact diameter), 44 (TP) (contact diameter), 45 (TP) (contact diameter), 46 (TP) (contact diameter), 47 (TP) (contact diameter), 48 (TP) (contact diameter), 49 (TP) (contact diameter), 50 (TP) (contact diameter), 51 (TP) (contact diameter), 52 (TP) (contact diameter), 53 (TP) (contact diameter), 54 (TP) (contact diameter), 55 (TP) (contact diameter), 56 (TP) (contact diameter), 57 (TP) (contact diameter), 58 (TP) (contact diameter), 59 (TP) (contact diameter), 60 (TP) (contact diameter), 61 (TP) (contact diameter), 62 (TP) (contact diameter), 63 (TP) (contact diameter), 64 (TP) (contact diameter), 65 (TP) (contact diameter), 66 (TP) (contact diameter), 67 (TP) (contact diameter), 68 (TP) (contact diameter), 69 (TP) (contact diameter), 70 (TP) (contact diameter), 71 (TP) (contact diameter), 72 (TP) (contact diameter), 73 (TP) (contact diameter), 74 (TP) (contact diameter), 75 (TP) (contact diameter), 76 (TP) (contact diameter), 77 (TP) (contact diameter), 78 (TP) (contact diameter), 79 (TP) (contact diameter), 80 (TP) (contact diameter), 81 (TP) (contact diameter), 82 (TP) (contact diameter), 83 (TP) (contact diameter), 84 (TP) (contact diameter), 85 (TP) (contact diameter), 86 (TP) (contact diameter), 87 (TP) (contact diameter), 88 (TP) (contact diameter), 89 (TP) (contact diameter), 90 (TP) (contact diameter), 91 (TP) (contact diameter), 92 (TP) (contact diameter), 93 (TP) (contact diameter), 94 (TP) (contact diameter), 95 (TP) (contact diameter), 96 (TP) (contact diameter), 97 (TP) (contact diameter), 98 (TP) (contact diameter), 99 (TP) (contact diameter), 100 (TP) (contact diameter).

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DSA - FS

Reviewer activities:

Department of Defense

for repetitive use

INCHES	MM	INCHES	MM
.005	.13	.906	23.01
.006	.15	.927	23.55
.010	.25	.938	23.83
.120	3.05	.969	24.61
.147	3.73	.984	24.99
.152	3.86	1.031	26.19
.169	4.29	1.052	26.72
.179	4.55	1.062	26.97
.219	5.56	1.078	27.38
.238	6.05	1.108	28.14
.438	11.13	1.219	30.96
.447	11.35	1.125	28.58
.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

EXAMPLE OF PART NUMBER

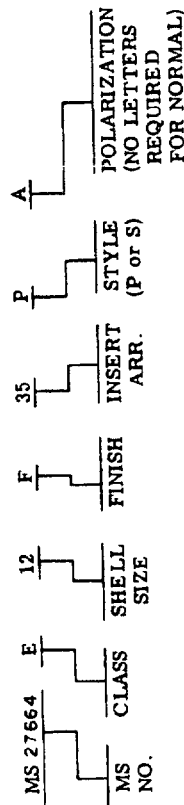


TABLE II
Operating Voltage

Service Rating	Operating Voltage (sea level)	
	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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