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 repair use shall be made from this document when applicable.

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

User activities: Army -
Navy -
Air Force -

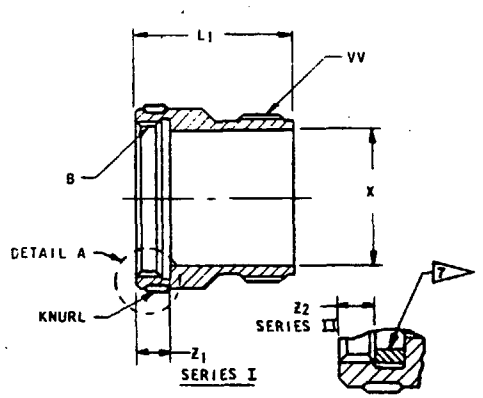
DD FORM 1 MAY 73 672 (Coordinated) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

P.A AF-85
Other Cust ARMY-EL NAVY-AS
International interest:
Procurement Specification MIL-C-38999
SUPERSEDES: MS27342 (USAF)

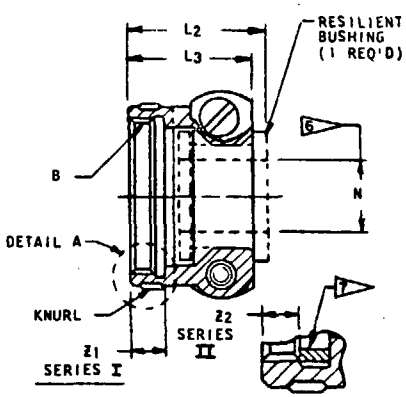
TITLE
ADAPTER, ELECTRICAL CONNECTOR, SERIES I AND II

MILITARY STANDARD
MS27342
SHEET 1 OF 1

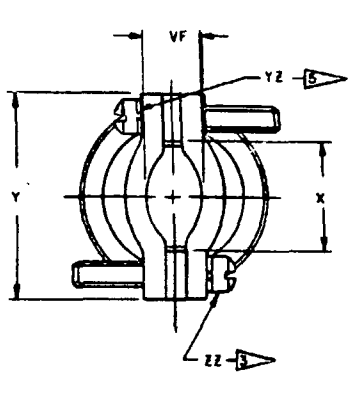
(D) DENOTE CHANGES



OPEN ADAPTER — DETAIL A — -1



DETAIL A



STRAIN RELIEF ADAPTER -2

SHELL SIZE SERIES II	SHELL SIZE SERIES I	B THREAD CLASS 2B UNEF	L1 MAX	X MIN DIA	Z2 +.005 -.010 SERIES II	Z1 +.000 -.015 SERIES I	VV THREAD CLASS 2A UNEF
8	9	7/16-28		.281			1/2-28
10	11	9/16-24		.406			5/8-24
12	13	11/16-24		.531			3/4-20
14	15	13/16-20	.688	.656	.114	.219	7/8-20
16	17	15/16-20		.781			1-20
18	19	1 1/16-18		.875			1 3/16-18
20	21	1 3/16-18		1.000			
22	23	1 5/16-18	.750	1.125			1 7/16-18
24	25	1 7/16-18		1.250			

B THREAD CLASS 2B UNEF	N +.010 -.025 FREE DIA	L2 MAX	L3 MAX	X DIA MIN OPEN	Y MAX	Z2 +.005 -.010 SERIES II	Z1 +.000 -.015 SERIES I	VF MAX CLOSED	ZZ SCREWS MS35271 (3)	YZ LOCKWASHERS (5)
7/16-28	.125	.875	.781	.234	.828	.114	.219	.187	-30	AN935B6L OR AN935-6L
9/16-24	.188			.297	.981					
11/16-24	.312			.422	1.016			.281		
13/16-20	.375	.938	.844	.547	1.141			.325	-32	AN936-A6B0R AN936-A6
15/16-20	.500			.609	1.203			.356		
1.1/16-18	.625			.734	1.469			.456	-48	AN935-B8L0R AN935-8L
1 3/16-18		1.000	.906					.519		AN936-A8B0R AN936-A8
1 5/16-18	.750			.922	1.656				-50	
1 7/16-18	.800			.984	1.750			.657		

NOTES:
1. DIMENSIONS IN INCHES.
2. MATERIALS:
   ADAPTER BODIES AND CLAMPING BARS: ALUMINUM ALLOY
   RESILIENT BUSHING: SILICONE
3. DRILL HOLE IN HEAD IS OPTIONAL.
4. EXCEPT THAT LENGTH OF SCREW UNDER HEAD SHALL BE 1.125 +.000-.062.
5. LOCKWASHERS MAY BE CAPTIVATED.
6. USE AN3420 BUSHING IF REDUCED OPENING IS REQUIRED.
7. ON SERIES II ADAPTERS, THE Z_2 DIMENSION MAY BE ACHIEVED BY TWO PIECE CONSTRUCTION.

MS27342 A -12 -1

MS NO.	FINISH (COLOR) (D)	SHELL SIZE	ADAPTER GEOMETRY

1 - OPEN ADAPTER
2 - STRAIN RELIEF ADAPTER

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

APPROVED 28 JAN 66 REVISED (D) 2 JAN 1976

FED. SUP CLASS 5935

5935-2005-73

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