

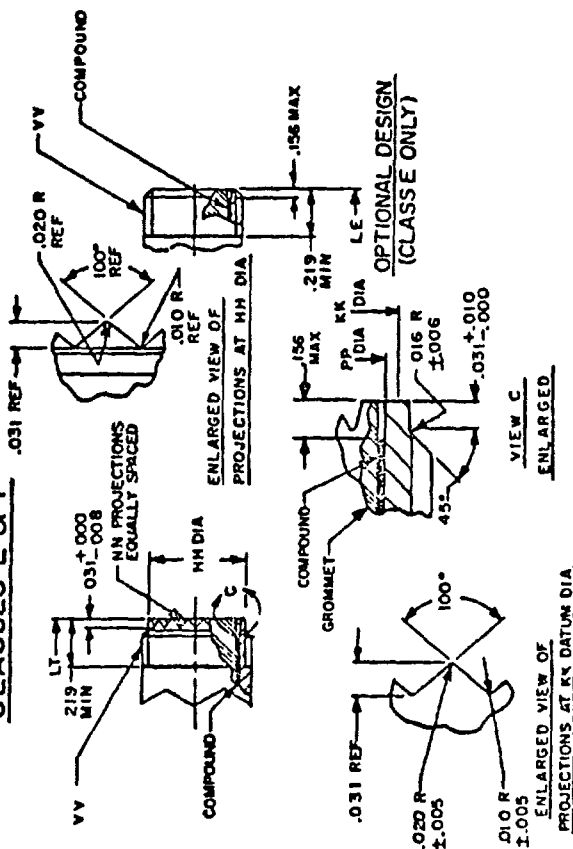
APPROVED 22 MAR 1971 REVISED (A) 7 JUL 1971 (C) 20 Feb 78

This military standard is mandatory 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 Navy

A-R		User activities:	Army
Army	EC		Navy
Navy		11, 15, 17, 99	Air Force
Air Force			
DSA-ES			

CLASSES E & T



SHELL SIZE	HM DIA + .000 - .005	KK DATUM DIA	NN	PP DIA ±.003	LE MAX OVER-ALL LENGTH	LT MAX OVER-ALL LENGTH	VV THREAD CLASS 2A UNEF (PLATED)
9	387	366	12	344			7/16 - 28
11	515	487	16	472			9/16 - 24
13	628	609	20	586	469		11/16 - 24
15	754	731	24	711			13/16 - 20
17	879	853	28	836			15/16 - 20
19	985	974	32	942			1 1/16 - 18
21	1,110	1,097	36	1,067			1 3/16 - 18
23	1,235	1,218	40	1,192	500		1 5/16 - 18
25	1,360	1,340	44	1,317			1 7/16 - 18

APPROVED 22 MAR 1971 REVISED (A) 7 JUL 1971 (C) For Changes See pages 1, 2 & 3

PA AF-85

Other Cust. _____

Army EL-Nav/ ES

Procurement Specification
 151 2 0000

International
Interest

TITLE CONNECTOR, RECEPTACLE,
ELECTRIC, BACK PANEL WALL
MOUNTING FLANGE, CRIMP TYPE,
BAYONET COUPLING. SERIES I

SUPERSEDES:
(C) MS27654A & MS0027654B(USAF)

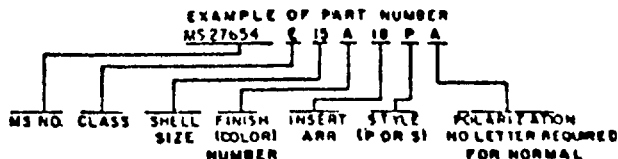
MILITARY STANDARD

MS 27654

SHEET 2 OF 3

DD FORM 672
1 SEP 63

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

FED. SUP CLASS
5935

NOTES

1. NORMAL KEYWAY POSITION. FOR OTHER KEYWAY POSITIONS SEE FIGURE 6 OF PROCUREMENT DOCUMENT.
2. INSERT FRONT SURFACE SHALL BE FLAT WITHIN .003 TOTAL INDICATOR READING.
3. DIAMETERS A AND D SHALL BE CONCENTRIC WITHIN .015 T I R.
4. DIAMETERS D AND I SHALL BE CONCENTRIC WITHIN .003 T I R AT MMC.
5. DIAMETER A WITH RESPECT TO DIAMETER B, AND DIAMETER D WITH RESPECT TO DIAMETER H, SHALL BE CONCENTRIC AT MMC.
6. DIMENSIONS IN INCHES.
7. THE POINT AT WHICH A GAGE PIN, HAVING THE SAME BASIC DIAMETER AS THE MATING CONTACT AND A SQUARE FACE, TOUCHES SOCKET CONTACT SPRING.
8. THE GAGE FEATURES FOR 66 SHALL BE .010 SMALLER THAN THEIR MMC SIZE AT BASIC LOCATION.

INCHES	MM	INCHES	MM	INCHES	MM	INCHES	MM	INCHES	MM
.000	.00	.128	3.25	.570	14.48	.850	21.59	1.207	30.66
.001	.03	.147	3.73	.572	14.53	.853	21.67	1.210	30.73
.002	.05	.156	3.96	.576	14.63	.871	22.12	1.218	30.94
.003	.08	.188	4.78	.578	14.68	.879	22.33	1.219	30.96
.004	.10	.219	5.56	.586	14.88	.894	22.71	1.235	31.37
.005	.13	.290	7.37	.609	15.47	.937	23.80	1.246	31.65
.007	.18	.344	8.74	.620	15.75	.938	23.83	1.249	31.72
.008	.20	.3595	9.13	.625	15.88	.942	23.93	1.292	32.82
.010	.25	.366	9.30	.628	15.95	.960	24.38	1.312	33.32
.012	.30	.387	9.83	.657	16.69	.974	24.74	1.317	33.45
.015	.38	.390	9.91	.662	16.81	.975	24.77	1.332	33.83
.016	.41	.406	10.31	.687	17.45	.985	25.02	1.340	34.04
.020	.51	.418	10.62	.6875	17.46	.996	25.30	1.360	34.54
.022	.56	.442	11.23	.700	17.78	1.019	25.88	1.374	34.90
.031	.79	.453	11.51	.711	18.06	1.031	26.19	1.417	35.99
.036	.91	.469	11.91	.734	18.64	1.042	26.47	1.438	36.53
.063	1.60	.472	11.99	.750	19.05	1.067	27.10	1.442	36.63
.078	1.98	.4845	12.31	.754	19.15	1.085	27.56	1.457	37.01
.085	2.16	.487	12.37	.769	19.53	1.097	27.86	1.499	38.07
.100	2.54	.492	12.50	.782	19.86	1.100	27.94	1.562	39.67
.109	2.77	.500	12.70	.790	20.07	1.110	28.19	1.567	39.80
.115	2.92	.515	13.08	.810	20.57	1.121	28.47	1.582	40.18
.123	3.12	.531	13.49	.812	20.62	1.124	28.55	1.688	42.88
.125	3.18	.532	13.51	.820	20.83	1.167	29.64	1.692	42.98
.126	3.20	.560	14.22	.836	21.23	1.192	30.28	1.812	46.02

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

PA AF-85	International Interest	TITLE CONNECTOR, RECEPTACLE, ELECTRIC, BACK PANEL WALL MOUNTING FLANGE, CRIMP TYPE, BAYONET COUPLING, SERIES I	MILITARY STANDARD
Other Cust Army EL-Navy ES			MS 27654
Procurement Specification MIL-C-38999	SUPERSERIES (C) MS27654A and MS0027654B(USAF)		SHEET 3 OF 3

DD FORM 672
1 SEP 63

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