

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.

PA AF-17		International Interest	TITLE CONNECTOR, RECEPTACLE, ELECTRIC, CRIMP TYPE, BACK PANEL WALL MOUNTING FLANGE, BAYONET COUPLING, SERIES 1		MILITARY STANDARD MS27515	
Other Cust ARMY-EL NAVY-AS		SUPERSEDES MS27515 (USAF)		REVISION 2		
Procurement Specification MIL-STD-2000						

1. ITS NORMAL KEYWAY POSITION FOR OTHER KEYWAY POSITIONS SEE FIGURE 4

2. IF PROLUNGEMENT DOCUMENT

3. INSERT FRONT SURFACE SHALL BE FLAT WITHIN .005 TOTAL INDICATOR READING

4. DIMETERS A AND D SHALL BE CONCENTRIC WITHIN .015 T.M.

5. DIMETERS D AND I SHALL BE CONCENTRIC WITHIN .005 T.M. AT MMC

6. DIAMETER A WITH RESPECT TO DIAMETER B, AND DIAMETER D WITH RESPECT TO DIAMETER N, SHALL BE CONCENTRIC AT MMC

7. DIMENSIONS IN INCHES

8. THE POINT AT WHICH A GAGE PIN, HAVING THE SAME BASIC DIAMETER AS THE MATING CONTACT AND A SQUARE FACE, TOUCHES SOCKET CONTACT SPRING

9. THE GAGE FEATURES FOR GG SHALL BE .010 SMALLER THAN THEIR MMC SIZE AT BASIC LOCATION

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

MS27517 E 15 A 18 P A

MS NO CLASS SHELL FINISH INSERT STYLE POLARIZATION
SIZE (COLOR) ARR (PORS) NO LETTER REQUIRED FOR NORMAL

EXAMPLE OF PART NUMBER

INCHES	MM	INCHES	MM	INCHES	MM	INCHES	MM
.000	0.00	.147	3.73	.662	16.81	1.124	28.55
.001	0.03	.156	3.96	.687	17.45	1.125	28.58
.002	0.05	.188	4.78	.6875	17.46	1.167	29.64
.003	0.08	.219	5.56	.700	17.78	1.207	30.66
.004	0.10	.290	7.37	.750	19.05	1.210	30.73
.005	0.13	.3595	9.13	.769	19.53	1.219	30.96
.006	0.15	.390	9.91	.782	19.86	1.246	31.65
.007	0.18	.406	10.31	.790	20.07	1.249	31.72
.010	0.25	.418	10.62	.810	20.57	1.292	32.82
.012	0.30	.442	11.23	.812	20.62	1.312	33.32
.015	0.38	.453	11.51	.820	20.83	1.317	33.45
.016	0.41	.469	11.91	.850	21.59	1.332	33.83
.020	0.51	.4845	12.31	.871	22.12	1.374	34.90
.022	0.56	.492	12.50	.894	22.71	1.417	35.99
.036	0.91	.500	12.70	.937	23.80	1.438	36.53
.063	1.60	.531	13.49	.938	23.83	1.442	36.63
.078	1.98	.532	13.51	.960	24.38	1.457	37.01
.085	2.16	.560	14.22	.975	24.77	1.499	38.07
.100	2.54	.570	14.48	.996	25.30	1.562	39.67
.109	2.77	.572	14.53	1.019	25.88	1.567	39.80
.115	2.92	.576	14.63	1.031	26.19	1.582	40.18
.123	3.12	.578	14.68	1.042	26.47	1.688	42.88
.125	3.18	.620	15.75	1.085	27.56	1.692	42.98
.126	3.20	.625	15.88	1.100	27.94	1.812	46.02
.128	3.25	.657	16.69	1.121	28.47		

FED SUP CLASS
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APPROVED

REVISED (B)