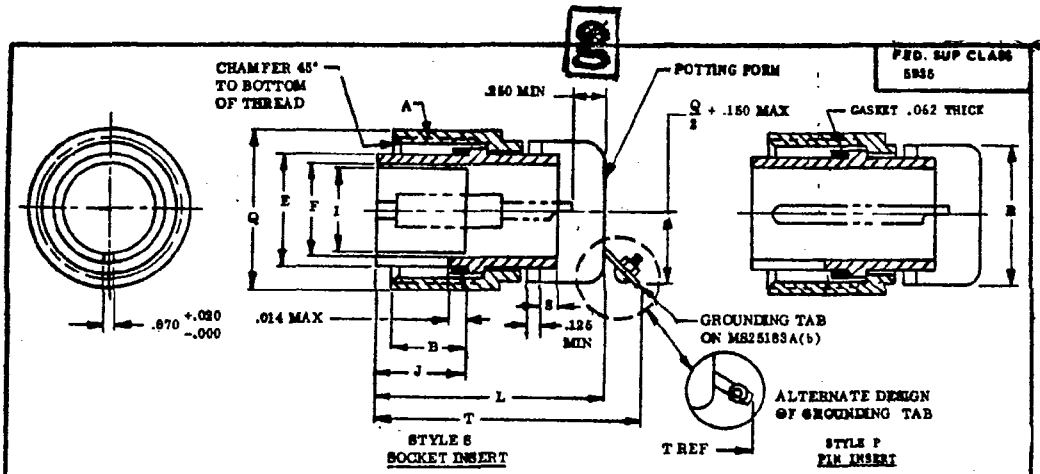
FED. SUP CLASS 5935



CLASS P – POTTING SEAL

SIZE	A COUPLING THREAD	B +.000 -.062 EXT CPLG RING	E +.000 -.015 OD	F MIN ID	I MAX INSERT DIA	J LENGTH ENGAGEMENT ±.005	L (a) MAX	T (a) MAX OVERALL LENGTH	Q MAX OVERALL OD	R MAX	S(c) MIN	FOR INSERT ARRANGEMENT SEE DRAWING
8S	1/2-28	.375	.365	.252	.250	.531	1.500	1.875	.844	.613	.085	MS33680
10S	5/8-24		.440	.323	.320				.969	.707		
10SL			.446	—	.440							
12S	3/4-20		.555	.450	.448				1.062	.863		MS33681
12		.625				.719	1.906	2.281			.141	
14S	7/8-20	.375	.675	.526	.525	.531	1.500	1.875	1.156	.941	.085	MS33682
14		.625				.719	1.906	2.281			.141	
16S	1 -20	.375	.805	.651	.650	.531	1.500	1.875	1.250	1.066	.085	MS33683
16		.625				.719	1.906	2.281			.141	
18	1-1/8-16		.930	.776	.770				1.344	1.207		MS33684
20	1-1/4-18		1.050	.932	.925		2.188	2.594	1.469	1.332	.226	MS33685
22	1-3/8-18		1.175	1.026	1.020				1.594	1.457		MS33686
24	1-1/2-18		1.300	1.151	1.145				1.719	1.582		MS33687
28	1-3/4-18		1.520	1.370	1.365				1.969	1.832		MS33688
32	2 -18		1.770	1.620	1.615				2.219	2.082		MS33689
36	2-1/4-16		1.980	1.836	1.830				2.469	2.395		MS33690
40	2-1/2-16		2.230	2.057	2.045				2.719	2.594		MS33691
44	2-3/4-16		2.480	2.307	2.300				2.969	2.875		MS33692
48	3 -16		2.730	2.557	2.550				3.219	3.125		MS33693

(a) ADD .375 FOR SIZE "O" CONTACTS.

(b) THE GROUNDING TAB MUST PROVIDE POSITIVE CONDUCTIVITY TO SHELL AND BE PROVIDED WITH A 6-32 SCREW AND NUT FOR EXTERNALLY GROUNDING PIGTAILS OF SHIELDED WIRE TO SHELL OF CONNECTOR.

(c) THE SURFACE WITHIN THE "S" DIMENSION SHALL HAVE SURFACE IRREGULARITIES TO ASSIST THE GRIP OF THE POTTING COMPOUND TO THE SHELL.

(d) CONNECTORS MS25183A ARE THE SAME AS MS25183 EXCEPT THAT A INCLUDES GROUNDING TAB.

(C) NOT APPLICABLE FOR NEW DESIGNED AIR FORCE AIRBORNE EQUIPMENT.

EXAMPLE OF PART NUMBER: MS25183-18-5SY OR MS25183A-18-5SY

BASIC PART NO. — SIZE — INSERT ARRANGEMENT NUMBER — STYLE (P OR S) — ALTERNATE INSERT POSITION (W, X, Y, OR Z). LEAVE BLANK FOR NORMAL POSITION

DIMENSIONS IN INCHES. UNLESS OTHERWISE SPECIFIED, TOLERANCES: DECIMALS ± .016.
FOR DESIGN FEATURE PURPOSES, THIS STANDARD TAKES PRECEDENCE OVER PROCUREMENT DOCUMENTS REFERENCED HEREIN. REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATIONS FOR BID.

(6) REVISED

P.A. NAVY – AS Other Cust Army - EL USAF - 11	TITLE CONNECTOR, PLUG, ELECTRIC, POTTING SEAL, SOLDER CONTACT, AN TYPE	MILITARY STANDARD MS25183
PROCUREMENT SPECIFICATION MIL-C-5015	SUPERSEDES: 54A8A225, 54A8A224	SHEET 1 OF 1

DD FORM 1 SEP 57 672-1 (Coordinated) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE. PLATE NO. 17710

(PROJECT NO. 5935-A702)

APPROVED 12 APR 56 REVISED (A) 6 JUL 60 (B) 15 MAY 69 (C) 28 SEP 71

This military standard is approved by the Department of Defense and is mandatory for use by all Departments & 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 Symbols: ARMT – MI, AV NAVY – SH, EC USAF –

User Symbols: ARMT – AT, ME NAVY – OS, MC, CG USAF –

Review/user information is current as of the date of this document. For future coordination of changes to this document draft circulation should be based on the information in the current DODISS.