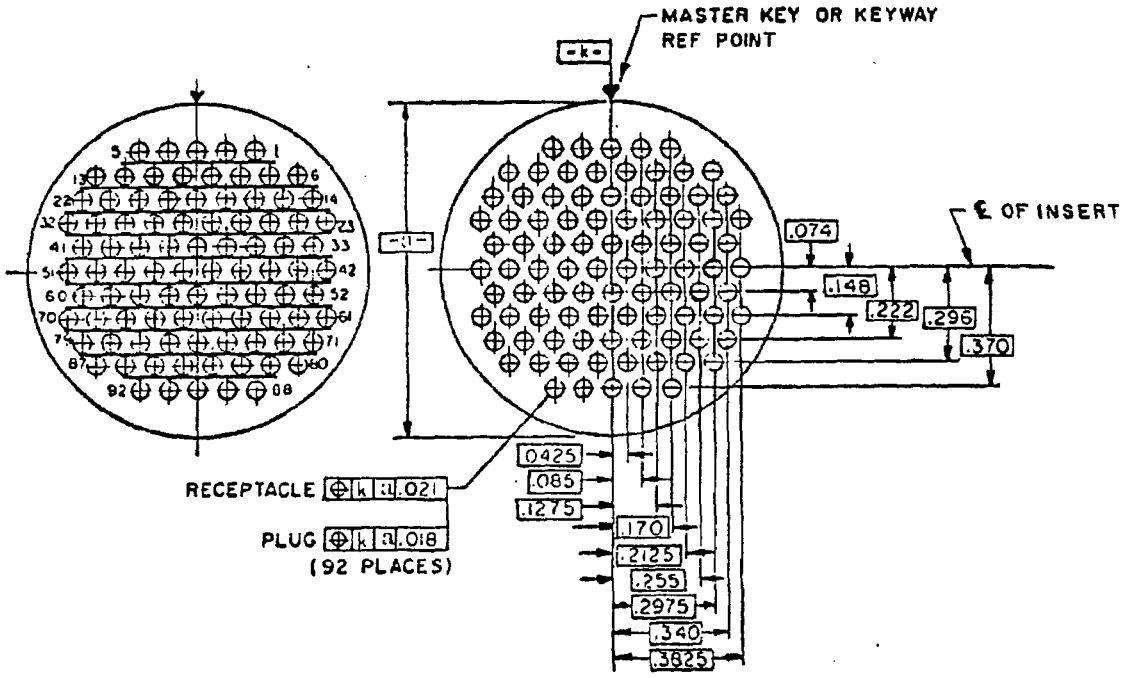
FED. SUP CLASS
5935

Reviewer activities: Army-MI, MU, AV, WL
Navy-SH, EC, OS
Air Force-11, 80
DSA-ES



CODE 601 INSERT ARRANGEMENT 20-92. SERVICE RATING 1. 92 SIZE 23-22 CONTACTS

APPROVED 5 JUNE 1970 REVISED (A) 5 OCT 1

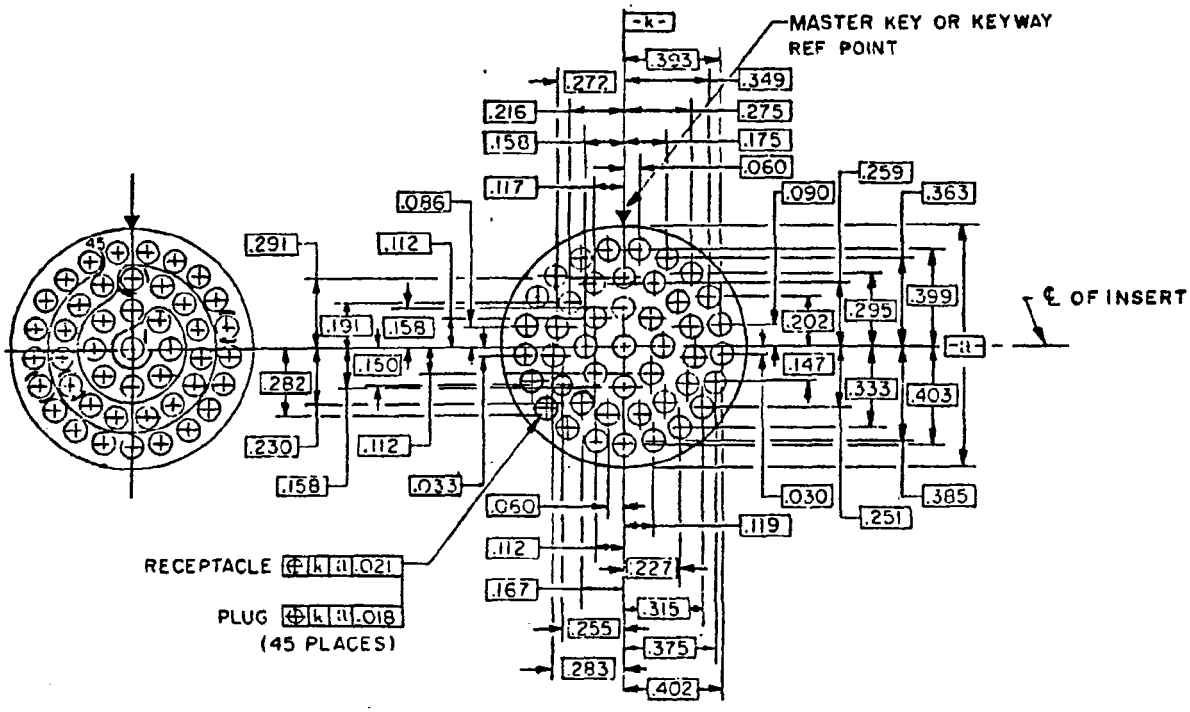
(A) ENTIRE STANDARD REVISED

P.A. NAVY-AS Other Cust ARMY-EL AF-17	International interest	TITLE INSERT ARRANGEMENTS, MIL-C-81511 ELECTRIC CONNECTOR, SIZE 20	MILITARY STANDARD MS 3431
Procurement Specification MIL-C-81511		SUPERSEDES: MIL-C-81511 44	SHEET 1 OF 4

DD FORM 672 (Coordinated Issue) PROJECT NO. 5935-1726-

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.

FED. SUP CLASS
5935



CODE G02 INSERT ARRANGEMENT 20-45, SERVICE RATING 1, 45 SIZE 20-20 CONTACTS

APPROVED 5 JUNE 1970 REVISED (A) FOR CHANGES SEE SHEET 1

User activities: Army-ME, AT Navy-MC Air Force-

Reviewer activities: Army-MI, MU, AV, WC Navy-SH, EC, OS Air Force-11, 80 DSA-ES

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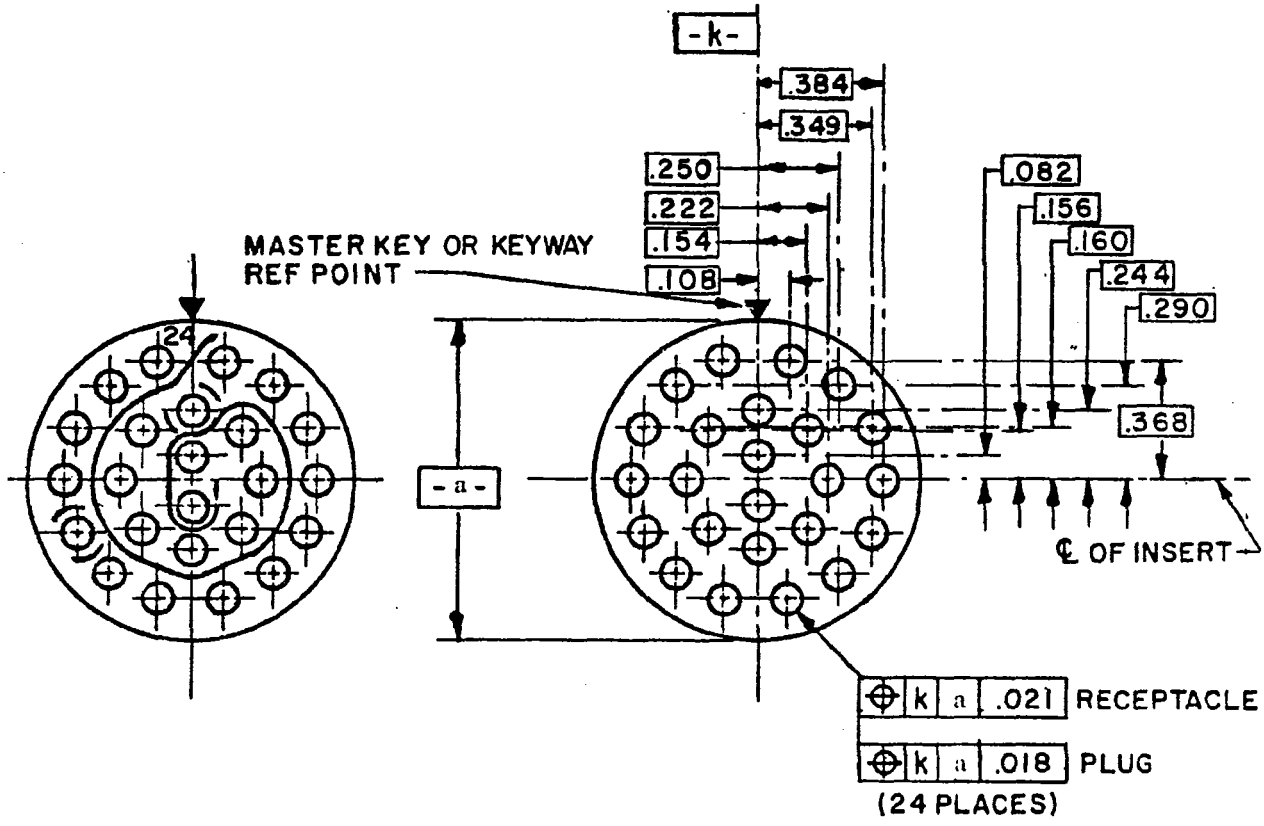
P.A. NAVY-AS Other Cust ARMY-EL AF-17	International interest	TITLE INSERT ARRANGEMENTS, MIL-C-81511 ELECTRIC CONNECTOR, SIZE 20	MILITARY STANDARD MS 3431
Procurement Specification MIL-C-81511		SUPERSEDES: MIL-C-81511 44	SHEET 2

DD FORM 10 APR 64 672 (Coordinated) PREVIOUS EDITIONS OBSOLETE.

User activities: Army-ME,AT Navy-MC Air Force-
Reviewer activities: Army-MI,MU,AV,WC Navy-SH,EC,OS Air Force-11,80 DSA-ES



CODE G03 INSERT ARRANGEMENT 20-24, SERVICE RATING 1, 24 SIZE 16-16 CONTACTS

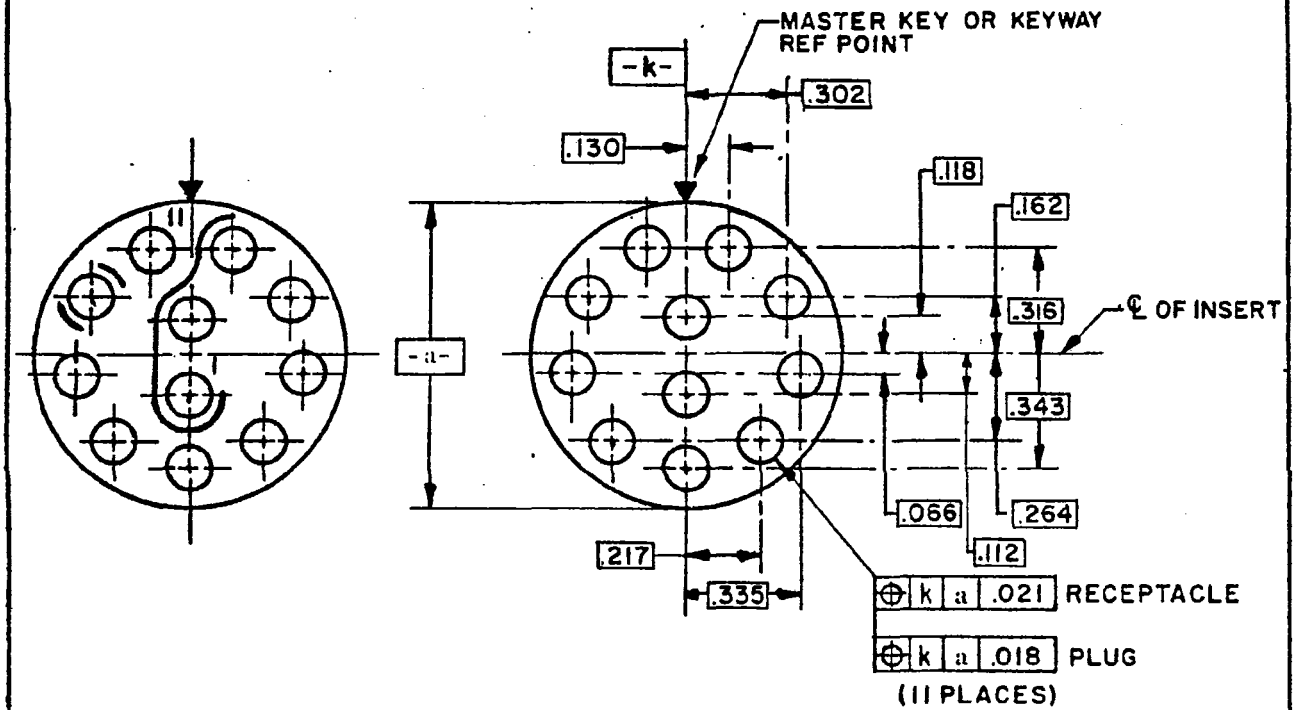
APPROVED 5 JUNE 1970 REVISED (A) FOR CHANGES SEE SHEET 1

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.

P.A. NAVY-AS Other Cust ARMY-EL AF-11	International interest	TITLE INSERT ARRANGEMENTS, MIL-C-81511 ELECTRIC CONNECTOR, SIZE 20	MILITARY STANDARD MS 3431
Procurement Specification MIL-C-81511		SUPERSEDES: MIL-C-81511 44	SHEET 3

(Coordinated) PREVI

FED. SUP CLASS
5935



CODE G04 INSERT ARRANGEMENT 20-11, SERVICE RATING 1, 11 SIZE 12-12 CONTACTS

INCHES	MM	INCHES	MM	INCHES	MM	INCHES	MM	INCHES	MM	INCHES	MM
.018	.46	.108	2.74	.158	4.01	.227	5.77	.290	7.37	.349	8.86
.021	.53	.112	2.84	.160	4.06	.230	5.84	.291	7.39	.363	9.22
.030	.76	.117	2.97	.162	4.11	.244	6.20	.295	7.49	.368	9.35
.033	.84	.118	3.00	.167	4.24	.250	6.35	.296	7.52	.370	9.40
.0425	1.08	.119	3.02	.170	4.32	.251	6.38	.2975	7.56	.375	9.53
.060	1.52	.1275	3.24	.175	4.45	.255	6.48	.302	7.67	.3825	9.72
.066	1.68	.130	3.30	.191	4.85	.259	6.58	.315	8.00	.384	9.75
.074	1.88	.147	3.73	.202	5.13	.264	6.71	.316	8.03	.385	9.78
.082	2.08	.148	3.76	.2125	5.40	.272	6.91	.333	8.46	.393	9.98
.085	2.16	.150	3.81	.216	5.49	.275	6.99	.335	8.51	.399	10.13
.086	2.18	.154	3.91	.217	5.51	.282	7.16	.340	8.64	402	10.21
.090	2.29	.156	3.96	.222	5.64	.283	7.19	.343	8.71	.403	10.24

NOTES:

1. DIMENSIONS IN INCHES.
2. UNLESS OTHERWISE INDICATED, DIMENSIONS ARE SYMMETRICAL ABOUT CENTERLINES.
3. DIMENSIONS AND MARKINGS SHOWN ARE FOR ENGAGING FACE OF PIN INSERT (SOCKET INSERT OPPOSITE).
4. ▼ INDICATES CENTERLINE OF INSERT ARRANGEMENT AND MASTER KEY OR KEY WAY OF CONNECTOR SHELL.
5. FOR DATUM a (a) REFER TO FIGURES 1 THROUGH 11 OF MIL-C-81511.

THIS IS A DESIGN STANDARD, NOT TO BE USED AS A PART NUMBER.

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.

APPROVED 5 JUNE 1970 REVISED (A) FOR CHANGES SEE SHEET 1

User activities: Army-ME,AT Navy-MC Air Force-

Reviewer activities: Army-MI,MU,AV,WC Navy-SH,EC,OS Air Force-11,80 DSA-ES

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P.A. NAVY-AS	International interest	TITLE	MILITARY STANDARD
Other Cust ARMY-EL AF-17		INSERT ARRANGEMENTS, MIL-C-81511 ELECTRIC CONNECTOR, SIZE 20	MS 3431
Procurement Specification MIL-C-81511		SUPERSEDES: MIL-C-81511 44	SHEET 4

DD FORM 672 (Coordinated) PREV 30 OBSOLETE