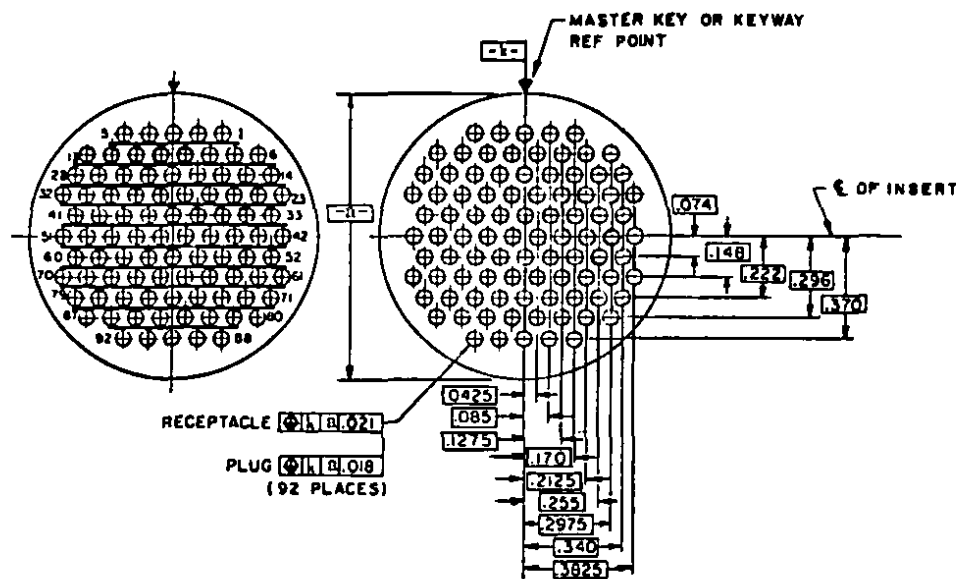


FED. SUP CLASS
5935User activities: Army-ME, AT
Navy-MC
Air Force-Reviewer activities: Army-MI, MU, AV, WC
Navy-SH, EC, OS
Air Force-II, GO
DSA-ES

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.



CODE G01 INSERT ARRANGEMENT 20-92. SERVICE RATING 1. 92 SIZE 23-22 CONTACTS

(A) ENTIRE STANDARD REVISED

P.A. NAVY-A8	International Interest	TITLE INSERT ARRANGEMENTS. MIL-C-81511 ELECTRIC CONNECTOR, SIZE 20	MILITARY STANDARD
Other Cust ARMY-EL AF-17			MS 3431
Procurement Specification MIL-C-81511		SUPERSEDES: MIL-C-81511/44	SHEET 1 OF 4

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

PROJECT NO. 5935-1726-8

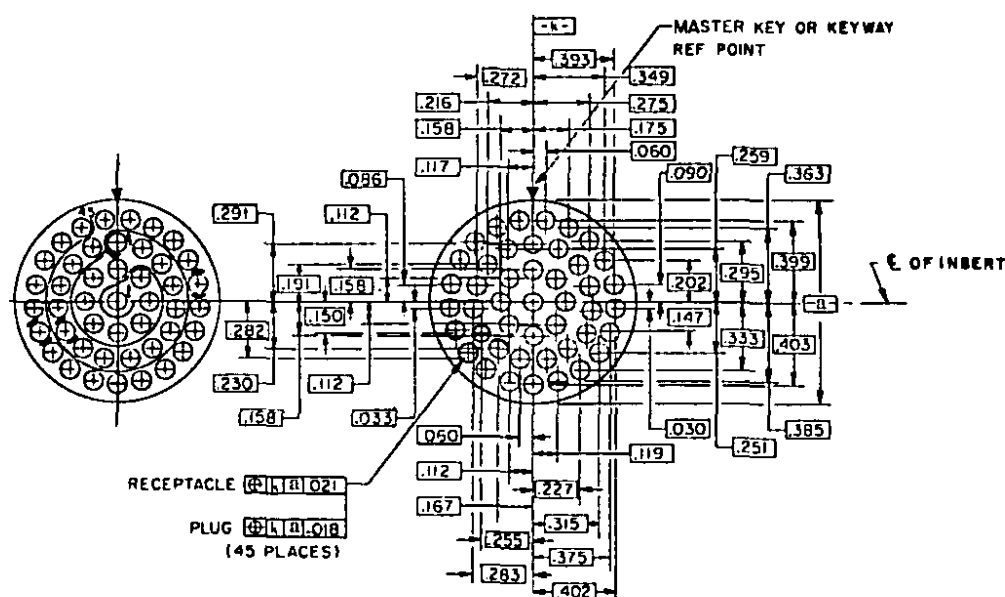
APPROVED 5 JUNE 1970 REVISED (A) 30 OCT 1970

FED. SUP CLASS
5935

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

Army-MI, MU, AV, WC
Navy-SM, EC, OS
Air Force-II, BO
DGA-ES

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

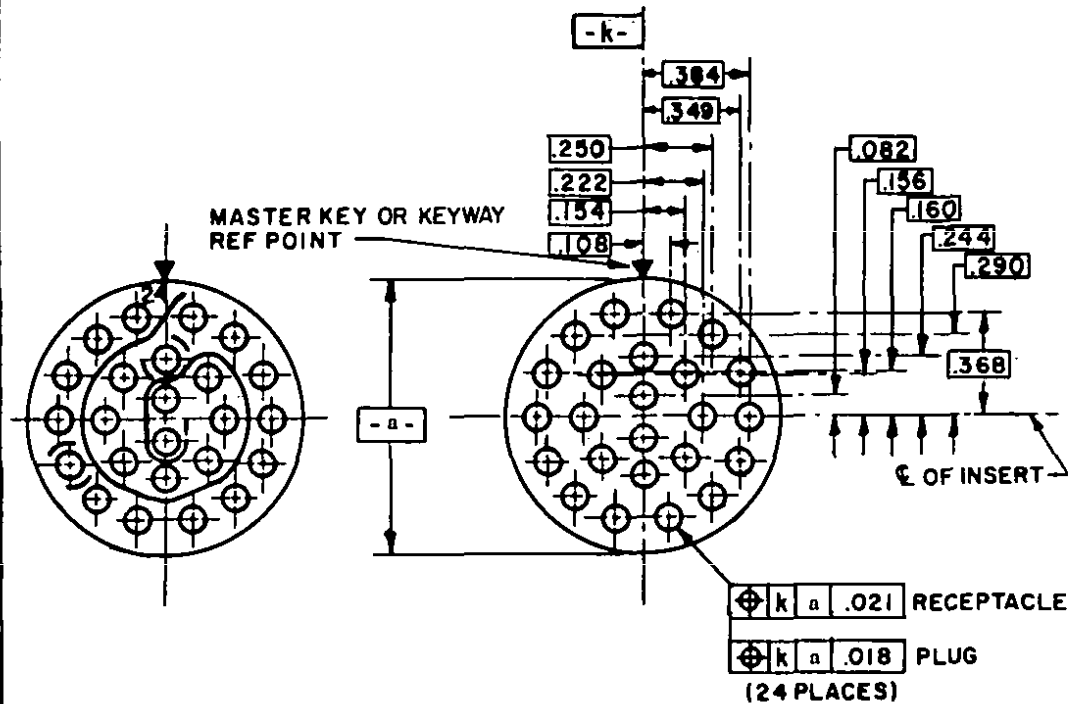
APPROVED 5 JUNE 1970 REVISED (A) FOR CHANGES SEE SHEET 1

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

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

FED. SUP CLASS
5935User activities: Army-ME, AT
Navy-MC
Air Force-Reviewer activities: Army-MI, MU, AV, WC
Navy-SM, EC, OS
Air Force-II, 80
DSA-ES

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

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

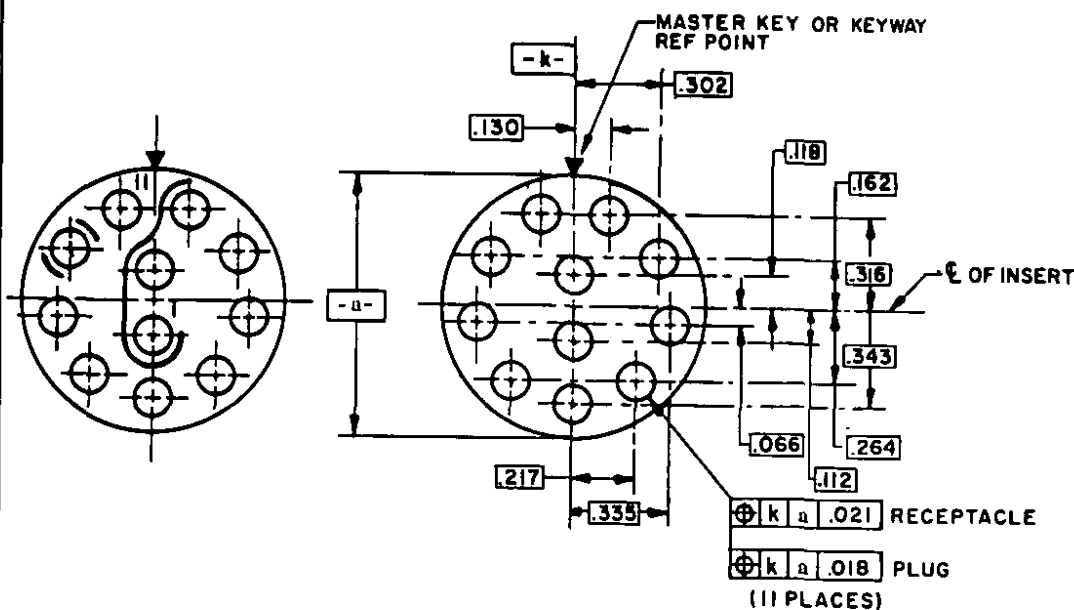
DD FORM 672 (Coordinated) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.
10 APR 64

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

FED. SUP CLASS
5935

Reviewer activities: Army-MI, MU, AV, WC
Navy-SM, EC, OS
Air Force-11, 00
DGA-ES

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



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 (33) REFER TO FIGURES 4 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

P.A. NAVY-AS	International Interest	TITLE INSERT ARRANGEMENTS. MIL-C-81511 ELECTRIC CONNECTOR. SIZE 20	MILITARY STANDARD
Other Cust ARMY-EL AF-17			MS 3431
Procurement Specification MIL-C-81611	SUPERSEDES:	MIL-C-81511/44	SHEET 4

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

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