This military standard is approved for use by Engineering and Technical Support Division (AFLC/LOIE) Department of the Air Force and is available for use by all Departments and Agencies of the Department of Defense.

Review activities: AF - 11, 15, 99

User activities:

DD FORM 1 MAY 73 672 (Limited coordinated) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

Procurement Specification: MIL-C-27599(USAF)

P.A 85 (E)

Other Cust

International interest

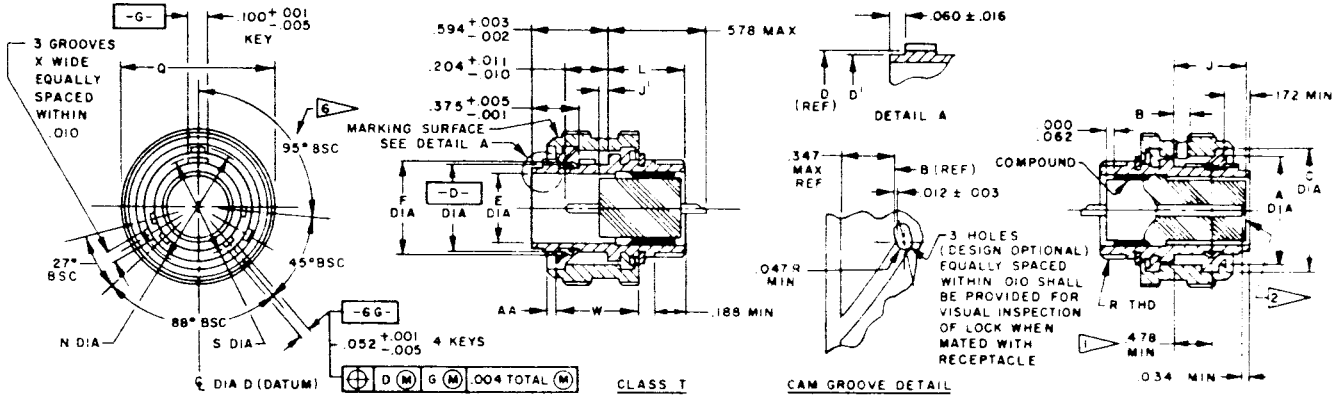
TITLE: CONNECTOR, PLUG, ELECTRICAL, SOLDER TYPE, STRAIGHT, BAYONET COUPLING

SUPERSEDES: MS20028

MILITARY STANDARD

MS 20028 (USAF)

PAGE 1 OF 1



SHELL SIZE	A DIA +.005 -.001	C DIA +.005 -.001	D DIA +.001 -.005	D' DIA MIN	E DIA ±.003	F DIA MIN	J ±.005 SOCKET INSERT	J' ±.005 PIN INSERT	L MAX	N DIA +.005 -.006	Q DIA MAX	S DIA +.001 -.010	B ±.020	W +.016 -.006	X +.016 -.001	AA +.005 -.006	R THD CLASS 2A (PLATED) UNEF
9	.580	.684	.437	.417	.315	.447				.674	.859	.482		.693			7/16-28
11	.712	.832	.565	.545	.433	.575				.822	.984	.610		.682			9/16-24
13	.861	.981	.677	.657	.547	.692				.972	1.156	.759					11/16-24
15	.985	1.106	.802	.782	.672	.817			.547	1.097	1.281	.884					13/16-20
17	1.110	1.230	.927	.907	.797	.942	.574	.018		1.222	1.406	1.009	.113		.090	.068	15/16-20
19	1.217	1.347	1.032	1.012	.886	1.047				1.329	1.516	1.114		.693			1 1/16-18
21	1.342	1.462	1.157	1.137	1.011	1.172				1.454	1.641	1.239					1 3/16-18
23	1.467	1.587	1.282	1.262	1.136	1.297				1.579	1.766	1.364					1 5/16-18
25	1.592	1.712	1.407	1.387	1.260	1.442			.609	1.704	1.891	1.489	.152	.794	.137	.047	1 7/16-18

(E) Denotes Changes

NOTES:

1. The point at which a gage pin, having the same basic diameter as the mating contact and a square face, touches socket contact spring.
2. Insert front surface shall be flat within .005 T.I.R.
3. Diameter D with respect to diameter S shall be concentric at MMC.
4. Diameters A and N shall be concentric within .008 T.I.R.
5. Dimensions are in inches.
6. Normal keyway position. For other keyway positions see sheet 2 figure 2 of procurement specification.
7. (E) Finish: A - Bright cadmium (see MIL-C-27599).
   B - Olive drab (see MIL-C-27599).
   F - Electroless nickel in accordance with MIL-C-26074, class 3 or 4, grade B, finish dull.
8. (E) For insert arrangements see MIL-STD-1560.

EXAMPLE OF PART NUMBER (E)

MS20028 T 25 A 29 P A

MS NO. | CLASS | SHELL SIZE | FINISH (7) | INSERT ARR NUMBER | STYLE (P OR S) | POLARIZATION NO LETTER REQUIRED FOR NORMAL

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

APPROVED 22 Jan 65 REVISED (E) 16 AUG 1976

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